# PEA EQUIVALENT REPORT

Ulysses S. Grant Senior High School 13000 Oxnard Street Los Angeles, CA 91401



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### LIST OF ABBREVIATIONS/ACRONYMS

ACM - asbestos containing material

AIN - Assessor's ID Number

APN – Assessor's parcel number

amsl - above mean sea level

bgs - below ground surface

Cal/EPA - California Environmental Protection Agency

CHHSL – California Human Health Screening Level

COPC - Chemical of potential concern

District - Los Angeles Unified School District

DTSC - Department of Toxic Substances Control

EPA – Environmental Protection Agency

ESA - Environmental Site Assessment

HASP - Site-specific health and safety plan

LAUSD - Los Angeles Unified School District

LBP - lead-based paint

OCPs - Organochlorine Pesticides

OEHS - Office of Environmental Health and Safety

PCBs - Polychlorinated Biphenyls

PEA-E - Preliminary Environmental Assessment Equivalent

PPE - Personal protective equipment

STLC – soluble threshold limit concentration

REC - Recognized environmental condition

TPH – Total petroleum hydrocarbons

### 1.0 EXECUTIVE SUMMARY

This Preliminary Environmental Assessment Equivalent (PEA-E) Document summarizes historical Site land use and outlines the approach utilized and data collected as part of the recently concluded assessment activities and Housekeeping Action conducted for Ulysses S. Grant High School (Site), located at 13000 Oxnard Street, Los Angeles, California 91401.

The Site is improved with approximately 10 one- and two-story permanent classroom or office buildings clad with brick and multiple one- and two-story bungalow classrooms throughout the school campus. The buildings include an administration building, a library, two gymnasiums, a cafeteria and lunch pavilion, a former auto shop building, agricultural fields and buildings, athletic fields, and classroom buildings. The property is a mixture of paved and unpaved areas, small planters, and athletic field space. The property is located within a largely residential and commercial area. The Site was developed on land which was previously used for agricultural purpose since prior to 1920. The agricultural land included several residential dwellings which were present on the Site. By 1962, the Site was developed with several buildings and playfields for the Ulysses S. Grant High School.

The primary objectives of this PEA-E were to assess shallow soil for potential environmental concerns identified in Waterstone Environmental's Phase I Environmental Site Assessment (ESA) conducted in July 2016, and to evaluate the overall Site health risk based on soil and soil gas analytical screening results for chemicals of potential concern (COPCs), including lead, arsenic, organochlorine pesticides (OCPs), polychlorinated biphenyls (PCBs), total petroleum hydrocarbons (TPH), and volatile organic compounds (VOCs).

The PEA-E field sampling activities presented herein were conducted on December 21, 22 and 23, 2016. Step-out samples were collected on January 16, 2017 and again on February 11, 2017. A total of 72 locations were advanced to a maximum depth of 2.5 feet below ground surface (bgs) using hand auger methods. Boring locations are shown on Figures 3 through 5. 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 (Tables 3-7) indicate that elevated levels of lead were detected at one location during initial screening. Additional step-out borings were advanced to define this area of impact.

Based on the analytical results and comparisons with the screening levels, CES Group recommended that soil removal was necessary in the areas of borings S8, S9, S68, S69, and S73 to remove the lead- and arsenic-impacted soil from the School Site. The impacted soil was excavated and removed from the Site as part of a Housekeeping Action and was backfilled with certified clean soil from Hanson Aggregate. The analytical results from the soil samples were compared to the Total Threshold Limit Concentration (TTLC) and 10 times the Soluble Threshold Limit Concentration (STLC) for hazardous (Cal-hazardous) classification in California. In addition, the analytical results were compared to the 20 times the Toxicity Characteristic Leaching Procedure (TCLP) criteria

for federal or Resource Conservation and Recovery Act (RCRA) waste classification. Lead concentrations were subsequently below the TCLP criteria but above the STLC criteria. Based on this criteria, approximately 22.57 tons of excavated soil was characterized as California-hazardous (non-RCRA hazardous) material and was transported to South Yuma County Landfill for disposal.

### 2.0 INTRODUCTION

This Preliminary Environmental Assessment Equivalent (PEA-E) Document summarizes historical Site land use and outlines the approach utilized and data collected during site assessment activities at Ulysses S. Grant Senior High School, located at 13000 Oxnard Street, Los Angeles, CA 91401 (Site). The purpose of the assessment was to determine if the Site's surficial soils were impacted with contaminants of potential concern.

This report was prepared by CES Group on behalf of the Los Angeles Unified School District (LAUSD). The data provided in this report is based on information obtained during Waterstone Environmental's *Phase I Environmental Site Assessment* (Phase I) investigation of the Site. The Site location is shown on Figures 1 and 2.

## 2.1 Site Description

The Site is known as the Ulysses S. Grant Senior High School and is located at 13000 Oxnard Street, Los Angeles, California 91401. The Property is located within a residential area of the Valley Glen neighborhood south of Oxnard Street between Ethel Avenue and the Tujunga Wash. It is comprised of assessor parcel number (APN) 2341-024-900 and is 32 acres within Los Angeles County.

The Site is an operating high school and is improved with approximately 10 one- and two-story permanent classroom or office buildings clad with brick and multiple one- and two-story bungalow classrooms throughout the school campus. The buildings include an administration building, a library, two gymnasiums, a cafeteria and lunch pavilion, a former auto shop building, agricultural fields and buildings, athletic fields, and classroom buildings. The property is a mixture of paved and unpaved areas, small planters, and athletic field space. The property is located within a largely residential and commercial area

Waterstone prepared a Phase I in July 2016 for the Site. According to the Phase I report, the Site was developed on land which was previously used for agricultural purposes prior to 1920. By 1962, the Site was developed with several buildings and playfields for Ulysses S. Grant High School. Demolition and renovations are planned for the buildings shown on Figure 2.

# 2.2 Background

Ulysses S. Grant Senior High School is an active high school campus. The southeastern portion of the property is occupied by the campus for Jack London High School, which is listed under the address 12924 Oxnard Street.

A summary of the former Site use/operations is provided as follows:

- The Site was developed on land which was previously used for agricultural purpose prior to 1920. The agricultural land included several residential dwellings which were present on the Site.
- By 1962, the Site was developed with several buildings and playfields for Ulysses S. Grant High School.
- Stockpiles of soil which were generated during project upgrades from 2008
  through 2014 on the Site were sampled to determine their suitability for reuse
  per the LAUSD Section 01440 guidance. It was concluded that soil samples in
  four of the six sampling events contained organochlorine pesticides (OCPs)
  above their respective detection limits and were therefore unacceptable for
  reuse onsite or for export to another LAUSD site.
- The Site received a Notice to Comply dated 5/29/2014 from the Fire Department to clean and maintain the gasoline storage room. Observations noted during an inspection included observed accumulation of gasoline residue on the shelves and floor. Compliance was achieved by 6/27/2014.

# 2.3 Regional Geology and Hydrogeology

According to the Phase I ESA report, the Site is situated near latitude 34.177452 (north) and longitude 118.416281 (west) at an approximate elevation of 673 feet above mean sea level. The topography of the Site and vicinity is generally flat, but slopes gently to the south, as shown in the Van Nuys, California USGS Topographic Map. The Site is not located within a 100-year or 500-year flood zone.

Regionally, the Site is located within the Transverse Ranges geomorphic province. This province is characterized by east-west trending geologic structures that include the east-west trending Santa Monica Mountains and the east-west trending active San Fernando fault zone. The trend of the San Fernando Valley reflects the overall trend of the Transverse Ranges, where major structural features exhibit an east-west orientation in contrast to the northwest-southeast trend that dominates in the rest of California. The San Fernando Valley is an area of compression between the San Gabriel Mountains on the northeast and the Santa Monica Mountains on the south.

According to the Phase I ESA report, no fault zones are identified on the Site or within one-mile of the Site. The Site is located within an Alquist-Priolo fault zone and the nearest fault is the Hollywood Fault which is 5.7 miles from the Site.

The Site is located within the San Fernando Valley Groundwater Basin (Basin No. 4-12). According to the California Department of Water Resources (Bulletin 118, updated 2003), this area is classified as:

The San Fernando Valley Groundwater Basin includes the water-bearing sediments beneath the San Fernando Valley, Tujunga Valley, Browns Canyon, and the alluvial areas surrounding the Verdugo Mountains near La Crescenta and Eagle Rock. The basin is bounded on the north and northwest by the Santa Susana Mountains, on the north and northeast by the San Gabriel Mountains, on the east

by the San Rafael Hills, on the south by the Santa Monica Mountains and Chalk Hills, and on the west by the Simi Hills.

The water-bearing sediments consist of the lower Pleistocene Saugus Formation, Pleistocene and Holocene age alluvium. The groundwater in this basin is mainly unconfined with some confinement within the Saugus Formation in the western part of the basin and in the Sylmar and Eagle Rock areas. Groundwater flows generally from the edges of the basin toward the middle of the basin, then beneath the Los Angeles River Narrows into the Central Sub-basin of the Coastal Plain of Los Angeles Basin. In the northeastern part of the basin, groundwater moves from the La Crescenta area southward beneath the surface of Verdugo Canyon toward the Los Angeles River near Glendale, whereas the groundwater in the Tujunga area flows west following the Tujunga Wash around the Verdugo Mountains to join groundwater flowing from the west following the course of the Los Angeles River near Glendale.

Groundwater near the Site is expected to flow to the south. Based on monitoring reports prepared for a nearby property located approximately 2.2 miles northeast of the Site (11600 Sherman Way in North Hollywood [Ramboll Environ, 2016]), groundwater is expected to be encountered at approximately 260 feet below ground surface (bgs) with a perched zone at 60 feet bgs, and flows to the south.

## 2.4 Environmental Setting

A Phase I ESA was completed for the Site on July 25, 2016 by Waterstone Environmental, Inc. The purpose of the Phase I ESA was to identify recognized environmental conditions (RECs) 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.

## 2.4.1 School Property

The school Site was developed in 1962 with several buildings and athletic fields. The adjacent properties include residential properties to the north, the Tujunga Wash and Greenbelt to the east along with residential properties, athletic playfields and a stadium for the Los Angeles Valley College to the south, and the Los Angeles Valley College campus to the west. During the Phase I Assessment, the following observations were made:

- hazardous chemicals were observed at the property in the custodial/utility building including fuel, paint, film developing liquids, universal wastes, cleaning supplies, and expired chemicals awaiting disposal,
- Small volumes of chemicals for instructional use are stored between classrooms in Building 100,
- The school serves as a local fueling location for nearby schools. Three 55-

- gallon drums of gasoline are stored on concrete without secondary containment. Minor staining was observed on the concrete floor,
- PCB-containing light ballasts removed from the school are stored in the custodial building awaiting disposal,
- An inactive paint spray booth was observed in Room 502 of the Industrial Arts building,
- Small amounts of pesticides, herbicides, and/or fertilizers may be present in the classroom and greenhouse associated with the agricultural area in the northwestern corner of the Site,
- Two three-stage clarifiers were observed at the Site. One is located outside Room 300 and is associated with the arts classroom, and one is located outside Room 108 and is associated with the science classroom. One subsurface vault was observed in the boiler room but is believed to be no longer in use,
- Auto hoists are believed to be located in the auto shop, and
- Approximately 20 transformers are located throughout the school.

# 2.4.2 Site Redevelopment

LAUSD is proposing the following on approximately 10 acres within the School property (which are the subject of the Assessment):

- Remove the existing Library building, Administration building, Arts building, Agricultural classroom building and auxiliary structures, 27 relocatable classrooms, School Site Maintenance and Operations (M&O) Building, and two Industrial Arts Buildings,
- Construct a new Library, Administration and School Site M&O buildings, and approximately 40 classrooms and support spaces in permanent buildings,
- Seismically retrofit the Gymnasium, multi-purpose building and Classroom buildings (#100 and #200). Complete Infrastructure improvements for electrical, HVAC, and fire alarm, and
- Site wide infrastructure improvements including sanitary sewer, water, and electrical utilities. Site wide upgrades to remove identified and prioritized barriers to program accessibility. Upgrade landscaping, and hardscape in Agricultural area.

## 2.5 Discussion of Phase I ESA Items

The following RECs were identified during this assessment:

Due to the original construction dates of the Site buildings (early 1960s), it is
possible that lead-based paint was used during the construction or maintenance of
the buildings. The buildings are primarily clad with brick, but portions of the
outside façade include painted surfaces. It is considered likely that the paint on
the buildings contains or formerly contained elevated lead concentrations. Due to

- its slow deterioration with time, the paint typically flakes off and accumulates in the adjoining soils. This can result in elevated lead concentrations in the soil adjoining older buildings.
- Due to the original construction dates of the Site buildings (early 1960s), it is possible that OCPs were applied to soil surrounding the foundations of buildings constructed from wood for termite control.
- Due to the historical use of the Site as agricultural fields prior to construction of the school, it is possible that OCPs were applied to the historical orchards for weed and pest control.
- Arsenic in soil underneath asphaltic concrete (AC) pavement may be present due to LAUSD's former standard practice of applying herbicides containing this metal prior to paving.
- Three 55-gallon drums of gasoline are stored in the custodial/utility building on the Site. The drums are stored on a concrete floor in good condition with no secondary containment. The Site received a Notice to Comply dated 5/29/2014 from the Fire Department to clean and maintain the gasoline storage room following observations of accumulated gasoline residue on the shelves and floor.
- Two three-stage clarifiers were observed at the Site. One is located outside Room 300 and is associated with the arts classrooms, and one is located outside Room 108 and is associated with the science classrooms. It was not confirmed how often the clarifiers are cleaned, but clarifier sludge was noted as a waste in the Unified Program documents from the Fire Department files.
- Auto hoists which were installed during two separate time frames were
  historically located in the auto shop. It is believed that the auto hoists are no
  longer present, but the auto shop was not accessible during the inspection and no
  documentation was available to indicate that the hoists had been removed and/or
  the area has been sampled.

### 3.0 SAMPLING ACTIVITIES

The PEA-E field sampling activities presented herein were conducted on December 21, 22 and 23, 2016. Step-out samples were collected on January 16, 2017 and again on February 11, 2017. The sampling objective was to assess chemicals of potential concern (COPCs) identified for shallow soil and soil vapor at the Site. The COPCs include lead, arsenic, organochlorine pesticides (OCPs), petroleum hydrocarbons, volatile organic compounds (VOCs), and Polychlorinated biphenyls (PCBs). The sampling consisted of the collection of select at-depth soil and soil vapor samples to screen shallow soil and soil vapor for COPCs. Field observations of the soil samples did not provide any indications of staining and/or odors.

### 3.1 Objectives

The objectives of the assessment were to:

- Assess shallow soil for potential environmental concerns identified in the Phase I ESA for the Site,
- Evaluate the presence of lead-based paint in planned construction areas by

sampling exposed soil,

- Evaluate the presence of arsenic beneath asphalt in planned construction areas by sampling beneath the asphalt,
- Evaluate the presence of OCPs across the Site,
- Evaluate the presence of PCBs across the Site,
- Evaluate the overall Site health risk based on soil analytical screening results,
- Evaluate the overall Site health risk based on soil vapor screening results,
- Evaluate the presence of VOCs in the soil and soil gas in the gasoline storage area and where clarifiers were identified, and
- Confirm hydraulic hoist locations in the auto shop and evaluate the presence of hydraulic fluids, TPH, and/or PCBs

# 3.2 Utility Clearance

Prior to conducing intrusive Site activities, Spectrum Geophysical conducted a geophysical survey of the Site to locate detectable utilities and subsurface anomalies. The locations of the utilities were marked and boring locations were adjusted based on these results.

## 3.3 Health and Safety Plan

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, emergency response plan, and route to the nearest hospital. Site personnel engaged in field activities were required to conduct daily tailgate safety meetings acknowledging the potential health concerns in this plan. Subcontractors were responsible for their own HASP during field activities.

#### 3.4 Field Observations

During sampling activities, the presence of the two in-ground hydraulic hoists inside of the auto shop building was visually confirmed and a third hoist was discovered outside the building. There was no evidence of any surficial staining in the vicinity of the hoists. An additional three-stage clairifer was identified outside of the auto shop building under the adjacent canopy. No surficial staining was observed in the vicinity of the clarifier.

### 3.5 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.

## 3.5.1 Sample Collection and Analysis

Soil borings were advanced by CES Group personnel using hand-auger tools. Asphalt or concrete pavement was cored by Excell Excavating prior to advancing the borings. Shallow borings were advanced to a maximum total depth of 2.5 feet below ground surface (bgs). Soil samples were collected at 0.5 feet, 1.5 feet, and 2.5 feet bgs. All field work was overseen by a California Professional Engineer.

Specific soil 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. The shallow soil samples were initially analyzed by the laboratory and the remaining samples were held pending the analytical results. Deeper samples were analyzed if warranted based on shallow results. Soil samples were collected in laboratory supplied 8-ounce glass jars or other appropriate containers for the analysis.
- Select soil samples were analyzed for lead, arsenic, PCBs, OCPs, TPH, or VOCs based on the location of the boring. Tables 1 and 2 below shows the sample IDs and the analysis that each sample was submitted for. Soil analytical results are shown in Tables 3 through 7.
- Step-out samples were collected in areas where the sampling results exceeded the screening levels. Step-out samples were collected in the area of boring S8 for lead due to the concentration exceeding 80 mg/kg. Step-out samples were collected from locations surrounding the nearby buildings where soil was exposed until the area was considered defined in all directions.
- Field duplicate samples were collected during the PEA-E sampling activities at an approximate ratio of one 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.

Soil vapor samples were collected from four locations at two depths. The soil vapor sample locations were adjacent to each of the clarifiers, the gasoline storage area, and adjacent to the clarifier identified near the auto shop. The following sampling procedures were utilized:

- The soil vapor sampling strategy for VOCs followed the guidance outlined in the Department of Toxic Substances Control (DTSC) and Regional Water Quality Control Board (RWQCB) (2015) Advisory Active Soil Gas Investigations guidance document. Soil vapor analytical results are shown in Table 8.
- Soil vapor samples were collected using a 1 to 2-inch diameter sample probe equipped with an expendable steel drive point to a depth of 5 and 10 feet below ground surface (bgs). Once at depth, the probe was extracted slightly, opening the sampling tip and exposing the sampling ports. A ½ or ½ inch diameter nylon tube was run through the center of this probe to ground surface

- where it attached to the collection device. Hydrated bentonite was placed around the probe at ground surface to inhibit surface air infiltration. The system was allowed to equilibrate for 20 to 30 minutes. Three purge volumes were used. Tracer gas procedures were then applied for potential leak detection. A soil vapor sample was collected at a nominal 0.2 liter/min rate through a flow restrictor into a 0.40 liter Summa Cylinder.
- During soil gas sampling, a tracer gas was used on sampling equipment connections and at ground surface where sample tubes enter. The tracer substance was soaked into a paper towel and placed in a small dish. The dish was placed under a plastic sheet that covered the soil gas sampling point, all tubing connections, and the sample collection cylinder. A minimum vacuum in the sample collection cylinder of 5 inches of mercury was maintained after sampling.

Table 1: Sample Locations, Sample Depths, and Chemical Analyses

Area of Concern	Boring IDs	Soil Sampling Depths (ft, bgs)	Chemical Analysis
Gasoline Storage Area	S1	2.5', 5', 10'	TPH(g,d,o) (8015B) VOCs (8260B)
Clarifiers	S2, S3	5', 10'	VOCs (8260B) Title 22 Metals (6010B/7471A)
Agricultural fields	S4	Surface (0.5') 1.5', 2.5'	OCPs by EPA Method 8081A. Archive
Historical lead-based paint or termicide usage on buildings/portables	S5 through S58, S50, S65 and S66	Surface (0.5') 1.5', 2.5'	OCPs (8081A) (Composite) Lead (6010B) Archive
to be removed Historical arsenic herbicide usage below paved areas	S5 through S57 and S65 (odd sample numbers only)	Surface (0.5') 1.5', 2.5'	Arsenic (6020) Archive
Historic Auto Shop Auto Hoist Area and Clarifier	S59 through S64 and S50	5', 10'	TPH (d,o) (8015B) Title 22 Metals (6010B/7471A) PCBs (8082)

Table 2
Soil Vapor Sampling and Analysis Summary Table
Ulysses S. Grant High School
Los Angeles, CA

Area of Concern	Boring IDs	Soil Sampling Depths	Chemical Analysis
Gasoline Storage	SG-1	5', 10'	VOCs (8260B)
Area			
Clarifiers	SG-2	5', 10'	VOCs (8260B)

	SG-3	5', 10'	VOCs (8260B)
Historic Auto Shop	SG-4	5', 10'	VOCs (8260B)
and Clarifier			

All samples were sent to a State of California certified environmental laboratory. Soil samples were analyzed for the following compounds:

- Arsenic by EPA Method 6020,
- Lead by EPA Method 6010B,
- OCPs by EPA Method 8081A,
- PCBs by EPA Method 8082,
- VOCs by EPA Method 8260B,
- TPH by EPA Method 8015M,
- Mercury by EPA Method 7471A

Soil vapor samples were analyzed for the following compounds:

VOCs by EPA Method 8260B/TO-15

## 3.5.2 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 and preserved in a cooler on ice, in preparation for delivery to the laboratory.

### 3.5.3 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. 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 Enthalpy Analytical Inc. in Orange, California, a California-certified laboratory. 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 A contains copies of the laboratory analytical reports.

## 3.5.4 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 triple rinse procedures:

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

# 3.6 Laboratory Quality Control

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 quality control guidelines were met and listed discrepancies and laboratory data qualifiers. The laboratory reports containing the quality control results are included in Appendix A.

# 3.7 Abandonment of Soil Borings

Upon completion of sampling, all soil borings were backfilled with clean soil and compacted. Boring locations were resurfaced with concrete dyed black or cold patch asphalt to match existing asphalt hardscape, as applicable.

# 3.8 Investigation Derived Waste Management

In the process of collecting environmental samples during the PEA-E 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.

Three 55-gallon drums containing IDW were generated during the PEA-E. Two 55-gallon drums contained excess soil cuttings from the hand-auger borings while the third 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. 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.
- VOCs by EPA Method 8260B

The PEA-E and IDW sample results indicate that the IDW is classified as non-hazardous waste. The three drums were transported to Soil Safe in Adelanto, California for disposal. Appendix B provides waste disposal documentation.

### 4.0 RESULTS

The observed soil was generally poorly graded sand and silty sand. The soil was brown in color with no chemical odor and no visible signs of staining. Groundwater was not encountered in any of the boreholes during the sampling activities. Duplicate samples showed similar results to the original samples. Field procedures 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. All borings were installed as planned except for borings S43 and S46, which were not sampled due to physical restrictions. Acceptable sensitivity was achieved by selecting analytical methods with reporting limits suitable for comparison with action levels. Overall, the dataset is of acceptable quality. As such, the data set is considered acceptable for use in accessing human health risk at the Site. The following section provides the sample analytical results. Tables showing screening values that were used as points of comparison for the analytical results are also included.

Soil samples were collected from a total of 64 boring locations during the initial soil sampling. Three samples were identified as having elevated concentrations above the trigger level value of 50 mg/kg for lead. Two of these samples (borings S8 and S9) exceeded the LAUSD guideline for additional sampling of 80 mg/kg with values of 335 and 106 mg/kg, therefore step-out borings were necessary. None of the arsenic concentrations exceeded screening levels in the initial samples screened although one of the step-out locations (boring S69) showed elevated arsenic concentrations.

Step-out borings were completed adjacent to borings S8 and S9 in areas where exposed soil was present. Areas with concrete cover were not sampled during step-out sampling.

# 4.1 Soil Analytical Results

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

OCPs were detected in low levels in 29 of the samples that were analyzed.
The sample from boring S9 showed the highest concentration of OCPs at
0.450 mg/kg Chlordane. All OCP concentrations were below the EPA Region
9 Regional Screening Levels (RSLs).

- 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, 2015) 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 except borings S8, S9, and step-out sample borings S68 and S73. Lead was detected at 335 mg/kg in S8-0.5' and 106 mg/kg in S9-0.5'. The deeper samples from boring S8 were below screening levels. The deeper samples from boring S9 showed elevated lead concentrations above 50 mg/kg but below 80 mg/kg. The soluble threshold limit concentration (STLC) for boring S9 was above California-hazardous levels.
  - o The results from step-out borings in the vicinity of borings S8 and S9 indicated that concentrations exceeded the DTSC-modified screening level of 80 mg/kg at borings S68 and S73 at a depth of six inches. The step-out results from borings S68 and S73 were 126 mg/kg and 110 mg/kg, respectively. The deeper samples from borings S68 and S73 were below screening levels. The soil at sample S68-05' exceeded the California-hazardous waste levels based on the STLC result. None of the step-out samples exceeded the EPA Region 9 RSL of 400 mg/kg.
- Arsenic concentrations did not exceed the DTSC-adopted background arsenic concentration of 12 mg/kg (DTSC, 2008) in any of the samples that were analyzed with the initial sampling.
  - o Arsenic concentrations exceeded 12 mg/kg in the step-out sample from boring S69 at a maximum concentration of 22.9 mg/kg at 2.5 feet.
- PCB concentrations were not detected above the method reporting limit in any of the samples that were analyzed.
- Total petroleum hydrocarbons were detected at low levels in the six samples collected from the area of the auto hoists and boring S1 located outside of the hazardous waste storage area. The maximum concentration was 21 mg/kg TPH C28-C40 (oil range) from boring S1 at a depth of 10 feet.
- VOCs were detected at low levels in each of the four samples that were analyzed for borings (S1-S4) located adjacent to the two clarifiers, hazardous waste storage, and auto hoist area. The maximum benzene concentration was 1.7 ug/kg.

Soil analytical results are shown in Tables 3 through 7.

# 4.2 Soil Vapor Analytical Results

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

 Soil vapor concentrations indicated low level VOCs in each of the four locations and eight samples analyzed. All sample results were below the California Human Health Screening Levels (CHHSLs) for shallow soil gas in residential scenarios. Soil vapor analytical results are shown in Table 8.

## 5.0 HUMAN HEALTH SCREENING EVALUATION

Soil

The concentrations of OCPs detected were below published regulatory screening levels. Lead was detected above 80 mg/kg at four soil sample locations from borings (S8, S9, S68, and S73) at a maximum concentration of 335 mg/kg. The STLC value from boring S9 at 0.5 feet and 2.5 feet and from boring S68 indicate that the soil in this area is designated as California-regulated hazardous waste soil. Arsenic was detected above the DTSC-adopted background arsenic concentration for Southern California of 12 mg/kg (DTSC, 2008) in step-out boring S69. PCBs were not detected above the method reporting limit in any of the samples that were analyzed. Petroleum hydrocarbons and VOCs were detected in low concentrations. Soil vapor concentrations indicated low level VOCs.

The Site has been defined for both arsenic and lead. Upon the removal of the lead- and arsenic-impacted soil during Housekeeping Action described in this report, the remaining soil represents soil that is below detection or regulatory screening levels. The human health risk after soil removal will be typical of a similar school Site operation in the State of California for these constituents.

Soil Vapor

The soil vapor analytical results indicate that all sample results were below the CHHSL value for shallow soil gas in residential scenarios. The human health risk will be typical of a similar school Site operation in the State of California for these constituents.

#### 6.0 COMMUNITY PROFILE

# 6.1 Community Demographics

A brief summary of the community demographics for the zip code 91401 in Los Angeles County according to the 2010 US Census (factfinder.census.gov) is as follows:

Total population: 39,285

Male: 19,613

Female: 19,672

Median Age: 36.0

Population 18 years and over: 30,572

Total housing units: 15,289

Average household size: 2.70

Population by race: White: 25,645

Hispanic or Latino: 16,675

Asian: 2,135

Black or African American: 1,864

## 6.2 Local Participation and Involvement

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-E 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 high school staff, mailed to all parents of students, was distributed to all residences within 500 feet of the school Site, and was handed out to all line-of-sight properties, 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 (weekends and holiday 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. As of the writing of this report, CES Group is unaware of environmental concerns or issues with relation to neighboring sites.

### 7.0 OPINION OF ENVIRONMENTAL PROFESSIONAL

Based on the PEA-E sampling results, all areas of impact have been identified and adequately characterized and defined both laterally and vertically. CES Group concluded that soil removal was necessary in the vicinity of borings S8, S9, S67, S68, S69, and S73 to remove the lead- and arsenic-impacted soil from the Site. LAUSD concurred and approved the soil removal as part of a Housekeeping Action. Removal of the impacted soil will bring the Site to a level where no further action can be warranted.

### 8.0 LIMITED SOIL EXCAVATION – HOUSEKEEPING ACTION

Based on the PEA-E sampling results, limited soil excavation was performed to remove the impacted soil from the Site as part of a Housekeeping Action. The areas surrounding Borings S8, S9, S67, S68, S69, and S73 were determined to be areas where the soil was impacted by lead and were therefore slated for excavation and removal. Arsenic exceeded the DTSC-adopted background arsenic concentration of 12 mg/kg in one boring (S69). Confirmation sampling was conducted to verify that the extent of the impacted soil had been removed from the Site. The excavation was conducted by hand using shovels due to the proximity to the building and the presence of trees and utilities. The excavated soil was placed on visqueen in the parking lot area and covered with visqueen pending removal from the Site. Temporary fencing was placed around the stockpile and excavation areas to limit unauthorized contact with the stockpile and entry to the work areas.

Soil samples were collected from the sides and bottom of the completed excavation area to confirm that the extent of impacted soil was removed. A total of 35 samples were

collected in glass jars for lead analysis using EPA Method 6010B. In areas where the lead concentration exceeded the DTSC School Screening Level of 80 mg/kg, additional excavation was conducted and additional samples were collected to confirm that the edge of the impacted soil had been reached. Additional stepout samples were collected on four dates after additional excavation occurred. Fifteen samples were collected on July 13, nine samples were collected on July 21, four samples were collected on July 26, four samples were collected on July 31, and three samples were collected on August 4. The sample with the highest concentration was analyzed for its soluble threshold limit concentration (STLC) based on a lead result of 274 mg/kg. This sample was also analyzed for its Toxicity Characteristic Leaching Potential (TCLP). The analytical results are shown in Table 9.

The analytical results from the soil samples were compared to the Total Threshold Limit Concentration (TTLC) and 10 times the Soluble Threshold Limit Concentration (STLC) for hazardous (Cal-hazardous) classification in California. In addition, the analytical results were compared to the 20 times the Toxicity Characteristic Leaching Procedure (TCLP) criteria for federal or Resource Conservation and Recovery Act (RCRA) waste classification. Lead concentrations were subsequently below the TCLP criteria but above the STLC criteria. Therefore, the excavated soil was characterized as California-hazardous (non-RCRA hazardous) material and was transported to South Yuma County Landfill (Appendix B).

A total of 22.57 tons of soil was removed from the Site on August 9, 2017 by Excell Excavating. All excavation areas were backfilled with certified clean soil from Hanson Aggregate.

## 9.0 CONCLUSIONS AND RECOMMENDATIONS

The primary objectives of this PEA-E were to assess shallow soil and soil vapor 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, PCBs, TPH, and VOCs).

The soil analytical results indicate that OCPs detected in all 29 of the soil samples that were analyzed were below Regional Screening Levels. Lead was detected above the DTSC-modified screening level of 80 mg/kg in two original soil borings (S8 and S9) and two step-out boring locations (S68 and S73). The STLC for boring locations S9 and S68 indicated that the soil in these areas is California-regulated hazardous waste. Arsenic exceeded the DTSC-adopted background arsenic concentration of 12 mg/kg in one boring (S69). Additional soil samples were collected to determine excavation limits. PCBs were not detected above the method reporting limit in any of the samples that were analyzed. Low-level petroleum hydrocarbons (oil range) were detected in the samples collected from the clarifiers, the hazardous waste storage area, and the auto hoist area. The concentrations were low and consistent at all depths. Low-level VOCs, below Regional Screening Levels, were identified in the samples collected from the clarifier area. All VOC concentrations were below Regional Screening Levels. Based on soil analytical results and step-out sampling results, the area is delineated and the extent of impacted soil was determined.

Soil vapor concentrations indicated low level VOCs in each of the four locations and eight samples analyzed. All sample results were below the California Human Health Screening Levels for shallow soil gas in residential scenarios were below CHHSLs in all samples.

Based on the analytical results and comparisons with the screening levels, CES Group recommended that soil removal as part of a Housekeeping Action was necessary in the area of borings S8, S9, S68, S69, and S73 to remove the lead- and arsenic-impacted soil to a depth of 1-3 feet from the Site. LAUSD concurred and approved the removal of lead- and arsenic-impacted soil as part of a Housekeeping Action. Additional soil samples were collected to determine excavation limits. The analytical results from the soil samples were compared to the TTLC and 10 times the STLC for hazardous (Calhazardous) classification in California. In addition, the analytical results were compared to the 20 times the TCLP criteria for federal or RCRA waste classification. Lead concentrations were subsequently below the TCLP criteria but above the STLC criteria. Based on this criteria, the excavated soil was characterized as California-hazardous (non-RCRA hazardous) material and was transported to South Yuma County Landfill (Appendix B). A total of 22.57 tons of impacted soil was removed from the Site on August 9, 2017 by Excell Excavating. All excavation areas were backfilled with certified clean soil from Hanson Aggregate.

#### 10.0 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 indicated. Where subsurface exploratory work, monitoring, and/or testing was 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 unsampled 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. CES Group should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

CES Group'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.

### 11.0 REFERENCES

CalEPA, DTSC, LARWQCB, SFRWQCB, 2015, Advisory Active Soil Gas Investigations, July 2015.

Department of Toxic Substances Control, 2004, Interim Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air, 2004

LAUSD, Section 01 4524 Environmental Import/Export Materials Testing, 2011.

USEPA, 2005, Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties, January 2005.

USEPA, 2010, Regional Screening Level Summary Table

Waterstone Environmental, Inc., *Phase I Environmental Assessment Report*, July 25, 2016.

Table 3
Soil Analytical Results - Lead and Arsenic
Grant High School

SAMPLE LOCATION	Date	6010B Lead (mg/kg)	6020 Arsenic (mg/kg)	Lead STLC (mg/L)	Lead TCLP (mg/L)	SAMPLE LOCATION	Date	6010B Lead (mg/kg)	6020 Arsenic (mg/kg)	SAMPLE LOCATION	Date	6010B Lead (mg/kg)	6020 Arsenic (mg/kg)	Lead STLC (mg/L)
S4-0.5'	12/23/2016	NA	NA	NA	NA	S20-0.5'	12/23/2016	12.7	NA	S40-0.5'	12/21/2016	16.6	NA	NA
S5-0.5'	12/23/2016	16.7	6.76	NA	NA	S20DUP-0.5'	12/23/2016	9.46	NA	S41-0.5'	12/21/2016	13.8	7.05	NA
S6-0.5'	12/23/2016	44.6	NA	NA	NA	S21-0.5'	12/23/2016	27.5	2.37J	S42-0.5'	12/21/2016	45.4	NA	NA
S7-0.5'	12/23/2016	42.0	6.96	NA	NA	S22-0.5'	12/23/2016	16.9	NA	S44-0.5'	12/21/2016	5.62	NA	NA
S7-0.5' Dup	12/23/2016	38.9	5.79	NA	NA	S23-0.5'	12/23/2016	6.71	1.852J	S45-0.5'	12/21/2016	6.45	NA	NA
S8-0.5'	12/23/2016	335	NA	41.3	0.681	S24-0.5'	12/23/2016	17.8	NA	S47-0.5'	12/21/2016	56.6	NA	2.86
S8-1.5'	12/23/2016	6.18	NA	NA	NA	S25-0.5'	12/23/2016	27.1	1.868J	S47-1.5'	12/21/2016	8.20	NA	NA
S9-0.5'	12/23/2016	106	10.7	6.06	0.032J	S26-0.5'	12/23/2016	5.48	NA	S48-0.5'	12/21/2016	32.9	NA	NA
S9-1.5'	12/23/2016	65.5	NA	2.88	NA	S27-0.5'	12/23/2016	14.2	3.14	S49-0.5'	12/21/2016	11.9	NA	NA
S9-2.5'	12/23/2016	62.0	NA	7.40	ND	S28-0.5'	12/23/2016	10.6	NA	S50/SG4-0.5'	12/21/2016	0.74	NA	NA
S10-0.5'	12/23/2016	49.8	NA	NA	NA	S29-0.5'	12/23/2016	6.82	2.99J	S51-0.5'	12/21/2016	8.91	NA	NA
S11-0.5'	12/23/2016	14.2	3.39	NA	NA	S30-0.5'	12/23/2016	12.5	NA	S52-0.5'	12/23/2016	5.22	NA	NA
S12-0.5'	12/23/2016	1.72	NA	NA	NA	S31-0.5'	12/23/2016	12.1	2.75J	S53-0.5 <sup>'</sup>	12/21/2016	31.0	NA	NA
S13-0.5'	12/23/2016	3.69	1.393J	NA	NA	S32-0.5'	12/23/2016	10.4	NA	S53DUP-0.5'	12/21/2016	27.9	NA	NA
S14-0.5'	12/23/2016	6.38	NA	NA	NA	S33-0.5'	12/23/2016	9.46	3.00	S54-0.5'	12/21/2016	30.4	NA	NA
S15-0.5'	12/23/2016	1.38	3.14	NA	NA	S34-0.5'	12/21/2016	0.93	NA	S55-0.5'	12/23/2016	2.31	5.44	NA
S16-0.5'	12/23/2016	13.1	NA	NA	NA	S35-0.5'	12/21/2016	5.78	NA	S56-0.5'	12/21/2016	25.1	NA	NA
S17-0.5'	12/23/2016	11.2	5.06	NA	NA	S36-0.5'	12/21/2016	13.4	NA	S57-0.5'	12/21/2016	10.1	NA	NA
S17DUP-0.5'	12/23/2016	10.9	7.04	NA	NA	S37-0.5'	12/21/2016	ND	6.25	S58-0.5'	12/21/2016	28.9	NA	NA
S18-0.5'	12/23/2016	32.1	NA	NA	NA	S38-0.5'	12/21/2016	21.1	NA	S65-0.5'	12/23/2016	3.34	2.69J	NA
S19-0.5'	12/23/2016	15.6	1.999J	NA	NA	S39-0.5'	12/21/2016	3.18	1.439J	S66-0.5'	12/23/2016	27.4	NA	NA

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Table 3
Soil Analytical Results - Lead and Arsenic
Grant High School

		6010B	6020	Lead	Lead			6010B	6020			6010B	6020	Lead
SAMPLE	Date	Lead	Arsenic	STLC	TCLP	SAMPLE	Date	Lead	Arsenic	SAMPLE	Date	Lead	Arsenic	STLC
LOCATION		(mg/kg)	(mg/kg)	(mg/L)	(mg/L)	LOCATION		(mg/kg)	(mg/kg)	LOCATION		(mg/kg)	(mg/kg)	(mg/L)
Step Out Borings														
S67-0.5'	1/16/2017	50.2	5.04	3.02	NA	S69-1.5'	1/16/2017	27.5	12.8	S72-0.5'D	2/11/2017	32.6	NA	NA
S67-1.5'	1/16/2017	39.1	NA	NA	NA	S69-2.5'	1/16/2017	NA	22.9	S73-0.5'	2/11/2017	110	NA	4.15
S68-0.5'	1/16/2017	126	5.79	7.44	0.061	S70-0.5'	1/16/2017	22.0	5.06	S73-0.5'	2/11/2017	TCLP = 0.3	314	
S68-1.5'	1/16/2017	10.9	NA	NA	NA	S71-0.5'	2/11/2017	21.6	6.38	S73-1.5'	2/11/2017	16.0	NA	NA
S69-0.5'	1/16/2017	54.4	20.0	2.97	NA	S72-0.5'	2/11/2017	10.6	NA	S74-0.5'	2/11/2017	43.1	NA	NA
												1		
Hazardous Wa	ste Levels	1,000	500	5	5			1,000	500			1,000	500	5
Trigger Value (	10xSTLC)	50	50					50	50			50 50		
CHHSLs Resid	lential Soil	150	0.07	-				150	0.07			150 0.07		
CHHSLs Indus	trial Soil	3,500	0.24					3,500	0.24			3,500	0.24	

mg/kg = milligrams per kilogram

NA = not analyzed

STLC = soluble threshold limit concentration

TCLP = Toxicity characteristic leaching potential

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Table 4
Soil Analytical Results - VOCs, TPH, and Mercury
Grant High School

				VOCs 82	60B			7471A	8015M	8015M	8015M
SAMPLE LOCATION	Date	Acetone (ug/kg)	Benzene (ug/kg)	Bromo- methane (ug/kg)	Dichloro- diflouro- methane (ug/kg)	MEK (ug/kg)	toluene (ug/kg)	Mercury (mg/kg)	TPH C8- C10 (mg/kg)	TPH C10- C28 (mg/kg)	TPH C28- C40 (mg/kg)
S1/SG1-2.5'	12/22/2016	13J	1.7J	ND	2.7J	1.1J	0.43J	NA	ND	ND	15
S1/SG1-5'	12/22/2016	ND	0.76J	1.4J	13	ND	0.40J	NA	ND	ND	14
S1/SG1-10'	12/22/2016	ND	0.36J	ND	ND	ND	0.26J	ND	ND	ND	21
S2/SG2-5'	12/22/2016	ND	0.46J	ND	ND	ND	0.32J	ND	NA	NA	NA
S2/SG2-10'	12/22/2016	ND	0.59J	ND	ND	ND	0.26J	ND	NA	NA	NA
S3/SG3-5'	12/22/2016	16J	1.6J	ND	ND	1.1J	0.53J	ND	NA	NA	NA
S3/SG3-10'	12/22/2016	ND	0.44J	ND	ND	ND	0.28J	ND	NA	NA	NA
S50/SG4-5'	12/22/2016	ND	0.39J	ND	ND	ND	0.25J	ND	ND	ND	19
S50/SG4-10'	12/22/2016	ND	0.47J	ND	2.6J	ND	0.34J	ND	ND	ND	19
S59-5'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	20
S59-10 <sup>'</sup>	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	15
S60-5'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	14
S60-10'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	19
S61-5'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	19
S61-10'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	15
S62-5'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	17
S62-10'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	17
S63-5'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	16
S63-10'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	13
S64-5'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	12
S64-10'	12/22/2016	NA	NA	NA	NA	NA	NA	ND	ND	ND	12

mg/kg = milligrams per kilogram ug/kg = micrograms per kilogram

NA = not analyzed

ND = not detected

Table 5 Soil Analytical Results - Title 22 Metals Grant High School

			Title 22 Metals Method 6010B														
											Molyb-						
SAMPLE	Date	Antimony	Arsenic	Barium	,	Cadmium		Cobalt	Copper	Lead	denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
LOCATION		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
S2/SG2-5'	12/22/2016	ND	1.10	97.0	ND	ND	8.85	6.71	8.53	ND	ND	4.82	ND	ND	ND	21.2	24.3
S2/SG2-10'	12/22/2016	ND	0.90J	66.9	ND	ND	7.60	5.72	6.31	ND	ND	3.68	ND	ND	ND	20.7	20.1
S3/SG3-5'	12/22/2016	ND	1.10	172	ND	0.50	19.7	14.1	19.8	0.90	ND	11.6	ND	ND	ND	41.2	47.4
S3/SG3-10'	12/22/2016	ND	0.82J	66.1	ND	ND	6.08	5.73	5.97	ND	ND	3.26	ND	ND	ND	18.7	18.3
S50/SG4-5'	12/22/2016	ND	1.60	174	ND	0.39J	17.3	13.2	19.0	0.40J	ND	10.4	1.53	ND	ND	36.8	51.5
S50/SG4-10'	12/22/2016	ND	1.25	87.4	ND	ND	9.76	7.53	8.43	ND	ND	4.62	ND	ND	ND	25.8	24.9
S59-5'	12/22/2016	ND	1.12	162	ND	0.49J	16.6	12.6	17.7	ND	ND	9.94	1.68	ND	ND	33.7	43.1
S59-10'	12/22/2016	ND	0.68J	77.7	ND	ND	6.67	6.04	6.59	ND	ND	3.80	ND	ND	ND	19.1	20.3
S60-5'	12/22/2016	ND	0.83J	180	ND	0.78	19.5	14.6	20.6	0.46J	ND	11.7	1.36	ND	ND	37.9	49.2
S60-10'	12/22/2016	ND	0.58J	62.5	ND	ND	5.99	7.34	6.76	ND	ND	3.92	ND	ND	ND	19.4	18.3
S61-5'	12/22/2016	ND	1.14	190	ND	0.49J	19.1	14.4	20.3	0.47J	ND	11.4	1.12	ND	ND	38.8	48.6
S61-10'	12/22/2016	ND	0.79J	90.2	ND	ND	6.51	5.16	5.27	0.75	ND	3.30	ND	ND	ND	18.1	18.6
S62-5'	12/22/2016	ND	0.61J	167	ND	0.57	18.7	13.8	18.3	ND	ND	10.7	ND	ND	ND	36.4	45.8
	12/22/2016	ND	0.56J	49.7	ND	ND	5.25	4.18	7.28	ND	ND	2.55	ND	ND	ND	14.3	13.8
	12/22/2016	ND	1.08	84.0	ND	ND	9.32	7.63	9.24	ND	ND	4.40	ND	ND	ND	23.2	25.0
	12/22/2016	ND	0.98J	67.3	ND	ND	6.72	5.95	8.71	ND	ND	3.85	ND	ND	ND	20.2	19.2
	12/22/2016	ND	0.97J	155	ND	0.48J	15.5	12.0	16.8	ND	ND	8.90	0.83J	ND	ND	33.9	38.3
	12/22/2016	ND ND	0.973 0.55J	60.8	ND ND	0.46J ND	4.03	4.64	6.40	ND	ND	2.37	0.633 ND	ND	ND	14.7	16.0

mg/kg = milligrams per kilogram NA = not analyzed

ND = Not detected

Table 6 Soil Analytical Results - OCPs Grant High School

					8081A O	rganochlorine	e Pesticides ((	OCPs)			
SAMPLE LOCATION	Date	4,4'-DDD (mg/kg)	4,4'-DDE (mg/kg)	4,4'-DDT (mg/kg)	Chlordane (mg/kg)	d-BHC (mg/kg)	Dieldrin (mg/kg)	Endrin (mg/kg)	Heptachlor (mg/kg)	Heptachlor epoxide (mg/kg)	Toxaphene (mg/kg)
S4-0.5'	12/23/2016	ND	0.003J	0.002J	0.024J	ND	0.001J	ND	ND	ND	ND
S5-0.5 <sup>'</sup>	12/23/2016	ND	0.001J	0.001J	ND	ND	ND	ND	ND	ND	ND
S6-0.5'	12/23/2016	0.001J	0.001J	0.003J	ND	ND	ND	ND	0.001J	ND	ND
S7-0.5'	12/23/2016	0.003J	0.002J	0.002J	0.027J	ND	ND	ND	ND	ND	ND
S7-0.5' Dup	12/23/2016	0.006	0.005	0.003J	0.039J	ND	0.002J	ND	ND	0.001J	ND
S8-0.5'	12/23/2016	ND	0.003J	0.002J	0.026J	ND	ND	ND	ND	ND	ND
S9-0.5'	12/23/2016	ND	0.092	0.012J	0.450	ND	0.011J	ND	0.001J	0.003J	ND
S10-0.5'	12/23/2016	ND	0.029J	0.004J	0.036J	ND	0.003J	ND	ND	ND	ND
S11-0.5'	12/23/2016	0.007J	0.064J	ND	ND	ND	ND	ND	ND	ND	ND
S12-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S13-0.5'	12/23/2016	ND	0.001J	ND	ND	ND	ND	ND	ND	ND	ND
S14-0.5'	12/23/2016	ND	0.003J	0.001J	ND	ND	0.002J	ND	ND	ND	ND
S15-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S16-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S17-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S17DUP-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S18-0.5'	12/23/2016	ND	0.001J	0.001J	ND	ND	ND	ND	ND	ND	ND
S19-0.5'	12/23/2016	ND	0.002J	0.001J	ND	ND	ND	ND	ND	ND	ND
S20-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S20DUP-0.5'	12/23/2016	ND	0.007	0.005	ND	ND	ND	ND	ND	ND	ND
S21-0.5'	12/23/2016	ND	0.007J	0.002J	ND	ND	ND	ND	ND	ND	ND
S22-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S23-0.5'	12/23/2016	0.001J	0.002J	0.003J	ND	ND	ND	ND	ND	ND	ND

CES Group Page 1 of 3

Table 6 Soil Analytical Results - OCPs Grant High School

			8081A Organochlorine Pesticides (OCPs)								
SAMPLE LOCATION	Date	4,4'-DDD (mg/kg)	4,4'-DDE (mg/kg)	4,4'-DDT (mg/kg)	Chlordane (mg/kg)	d-BHC (mg/kg)	Dieldrin (mg/kg)	Endrin (mg/kg)	Heptachlor (mg/kg)	Heptachlor epoxide (mg/kg)	Toxaphene (mg/kg)
S24-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S25-0.5'	12/23/2016	ND	0.001J	0.001J	ND	ND	0.002J	ND	ND	ND	ND
S26-0.5'	12/23/2016	ND	ND	ND	ND	ND	0.007J	ND	ND	ND	ND
S27-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S28-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S29-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S30-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S31-0.5'	12/23/2016	ND	0.018J	ND	ND	ND	ND	ND	ND	ND	ND
S32-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S33-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S34-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S35-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S36-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18J
S37-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S38-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.24J
S39-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S40-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S41-0.5'	12/21/2016	ND	0.00180J	ND	0.0350J	ND	ND	ND	ND	ND	ND
S42-0.5'	12/21/2016	ND	0.00094J	0.00230J	ND	ND	ND	ND	ND	ND	ND
S44-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S45-0.5'	12/21/2016	ND	0.002J	0.003J	ND	0.001J	0.01200J	ND	ND	0.001J	ND
S47-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Table 6 Soil Analytical Results - OCPs Grant High School

			8081A Organochlorine Pesticides (OCPs)								
SAMPLE LOCATION	Date	4,4'-DDD (mg/kg)	4,4'-DDE (mg/kg)	4,4'-DDT (mg/kg)	Chlordane (mg/kg)	d-BHC (mg/kg)	Dieldrin (mg/kg)	Endrin (mg/kg)	Heptachlor (mg/kg)	Heptachlor epoxide (mg/kg)	Toxaphene (mg/kg)
S48-0.5'	12/21/2016	0.001J	ND	0.001J	ND	ND	ND	ND	ND	ND	ND
S49-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S50/SG4-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S51-0.5'	12/21/2016	ND	0.001J	ND	ND	ND	ND	ND	ND	ND	ND
S52-0.5'	12/23/2016	ND	0.004J	ND	ND	ND	ND	ND	ND	ND	ND
S53-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S53DUP-0.5'	12/21/2016	ND	0.001J	0.001J	ND	ND	ND	ND	ND	ND	ND
S54-0.5'	12/21/2016	0.078	0.04500J	0.008970J	0.0560J	ND	0.01300	ND	ND	0.00120J	0.028J
S55-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S56-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S57-0.5'	12/21/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S58-0.5'	12/21/2016	ND	0.011	0.006	ND	ND	0.001J	ND	ND	ND	ND
S65-0.5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S66-0.5'	12/23/2016	ND	0.002J	0.003J	0.036J	ND	0.002J	ND	ND	ND	ND
S67-0.5'	1/16/2017	0.0085	0.015	0.079	0.150	ND	ND	ND	ND	ND	ND
S68-0.5'	1/16/2017	ND	0.039	0.028	0.270	ND	0.020	ND	ND	0.0065	ND
S69-0.5'	1/16/2017	ND	0.019	0.0064	ND	ND	0.0029J	ND	ND	ND	ND
S70-0.5'	1/16/2017	0.016	0.010	0.0041J	0.093	ND	ND	ND	ND	ND	ND
EPA Regional Sc Residenti		2.0	1.4	1.7	1.6	NA	0.03	18	0.11	0.053	0.44

mg/kg = milligrams per kilogram

NA = not analyzed

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Table 7 Soil Analytical Results - PCBs Grant HS

			8082 Polychlorinated Biphenyls (PCBs)									
SAMPLE LOCATION	Date	PCB-1016 (mg/kg)	PCB-1221 (mg/kg)	PCB-1232 (mg/kg)	PCB-1242 (mg/kg)	PCB-1248 (mg/kg)	PCB-1254 (mg/kg)	PCB-1260 (mg/kg)	PCB-1262 (mg/kg)	PCB-1268 (mg/kg)		
S50/SG4-5'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND		
S50/SG4-10'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND		
S59-5'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND		
S59-10'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND		
S60-5'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND		
S60-10'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND		
S61-5'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND		
S61-10'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND		
S62-5'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND		
S62-10'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND		
S63-5'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND		
S63-10'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND		
S64-5'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND		
S64-10'	12/22/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND		
S70-0.5'	12/29/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND		
EPA Regional So Resident		3.9	0.14	0.14	0.22	0.22	0.22	0.22	NA	NA		

mg/kg = milligrams per kilogram
NA = not analyzed
PCB = polychlorinated biphenyls
ND = not detected

Table 8
Soil Vapor Analytical Results - VOCs
Grant HS

			8260B Volatile Organic Compounds (VOCs)									
SAMPLE LOCATION	Date	1,2,4- Trimethyl- benzene (ug/m3)	4-Ethyl- toluene (ug/m3)	Benzene (ug/m3)	Dichloro- difluoro- methane (ug/m3)	Ethyl- benzene (ug/m3)	xylenes (ug/m3)	Styrene (ug/m3)	Tetra- chloro- ethene (ug/m3)	toluene (ug/m3)	Trichloro- fluro- methane (ug/m3)	
S1/SG1-5'	12/23/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	45.5	
S1/SG1-10'	12/23/2016	ND	5.9	1.3J	3.5J	6.5	19.1	30.2	8.1	13.2	130	
S2/SG2-5'	12/23/2016	2.9J	7.9	3.2	3.0J	10.4	55.1	10.6	4.1J	38.8	37.7	
S2/SG2-10'	12/23/2016	ND	2.9J	ND	3.0J	3.9J	14.3	12.4	3.4J	9.4	46.6	
S3/SG3-5'	12/23/2016	ND	ND	ND	ND	5.2J	26.9	6.8J	ND	9.8	ND	
S3/SG3-10'	12/23/2016	ND	ND	1.6J	ND	3.5J	22.1	6.0	ND	7.5	ND	
S50/SG4-5'	12/23/2016	ND	ND	ND	ND	5.2J	27.8	5.1J	19.0	15.1	296	
S50/SG4-10'	12/23/2016	ND	ND	ND	ND	ND	16.3	5.3J	10.2J	11.3	264	
CHHSLs Shal Human Healt Levels (	th Screening	NA	NA	36.2	NA	NA	3.15E+05	NA	180	1.35E+05	NA	

ug/m3 = micrograms per cubic meter

NA = not analyzed

ND = not detected

CHHSL = California Human Health Screening Level

## Table 9 Soil Analytical Results - Lead Grant High School Excavation Areas

		6010B	Lead	Lead				6010B
SAMPLE	Date	Lead	STLC	TCLP		SAMPLE	Date	Lead
LOCATION		(mg/kg)	(mg/L)	(mg/L)		LOCATION	2 3.13	(mg/kg)
S68 Exc Bottom	7/13/2017	39.4	NA	NA	Ħ	S73 Exc North Wall	7/21/2017	37.6
S68 Exc North Wall	7/13/2017	162	NA	NA		S69 Exc South Wall	7/21/2017	7.25
S68 Exc East Wall	7/13/2017	198	NA	NA		S69 Exc Bottom	7/21/2017	4.33
S68 Exc South Wall	7/13/2017	152	NA	NA		S67 Exc West Wall	7/21/2017	51.3
S68 Exc West Wall	7/13/2017	274	24.5	0.212		S67 Exc South Wall	7/21/2017	208
S69 Exc South Wall	7/13/2017	16.6	NA	NA	Ш	S68 Exc North Wall	7/21/2017	128
S69 Exc Bottom	7/13/2017	22.4	NA	NA	Ц	S68 Exc South Wall	7/21/2017	63.0
S9 Exc Bottom	7/13/2017	49.2	NA	NA	Ц	S68 Exc East Wall	7/21/2017	31.9
S9 Exc North Wall	7/13/2017	6.88	NA	NA	Ц	S68 Exc West Wall	7/21/2017	186
S8 Exc East Wall	7/13/2017	21.2	NA	NA	Ц			
S8 Exc Bottom	7/13/2017	149	NA	NA		S67 Exc West Wall	7/26/2017	23.1
S73 Exc Bottom	7/13/2017	29.6	NA	NA	Ц	S67 Exc South Wall	7/26/2017	93.6
S73 Exc West Wall	7/13/2017	30.3	NA	NA	Ц	S68 Exc North Wall	7/26/2017	96.8
S67 Exc Bottom	7/13/2017	117	NA	NA	Ц	S68 Exc South Wall	7/26/2017	56.1
S67 Exc South Wall	7/13/2017	144	NA	NA	Ц			
					Ц	S67-A-Exc Bottom	7/31/2017	133
S74 Exc North Wall	8/4/2017	47.6	NA	NA	Ц	S67-A-Exc South Wall	7/31/2017	130
S74 Exc Bottom	8/4/2017	5.1	NA	NA	Ц	S68-B-Exc North Wall	7/31/2017	260
S72 Exc North Wall	8/4/2017	70.4	NA	NA		S68-B-Exc Bottom	7/31/2017	77.4
		4.000		_	Т			1.000
Hazardous Waste Levels Trigger Value (10xSTLC)		1,000 50	5 	5	H			1,000 50
CHHSLs Residential Soil		150			H	<u></u>		150
CHHSLs Industrial Soil		3,500			H			3,500
		,			4			,

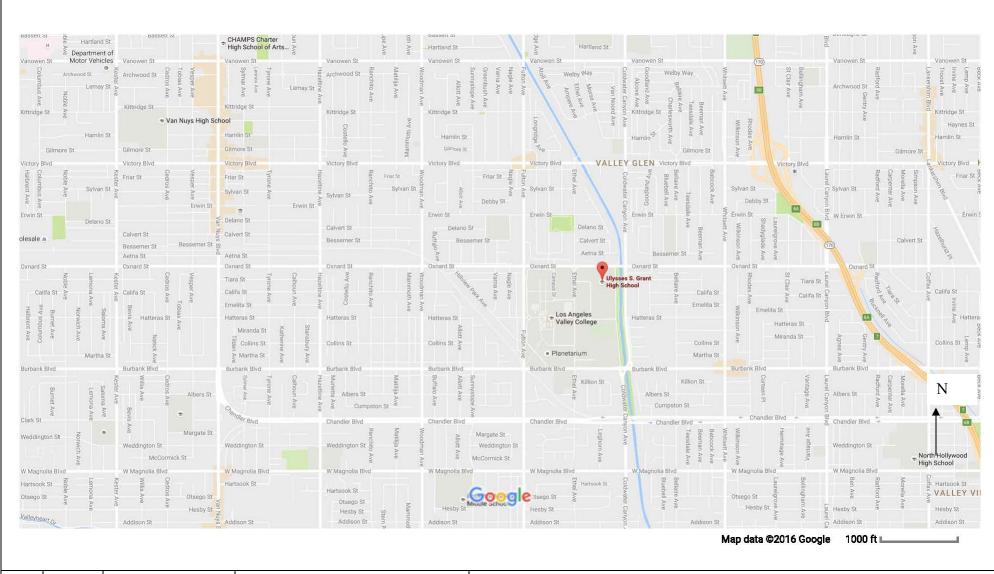
## Notes:

mg/kg = milligrams per kilogram

NA = not analyzed

STLC = soluble threshold limit concentration

TCLP = Toxicity characteristic leaching potential

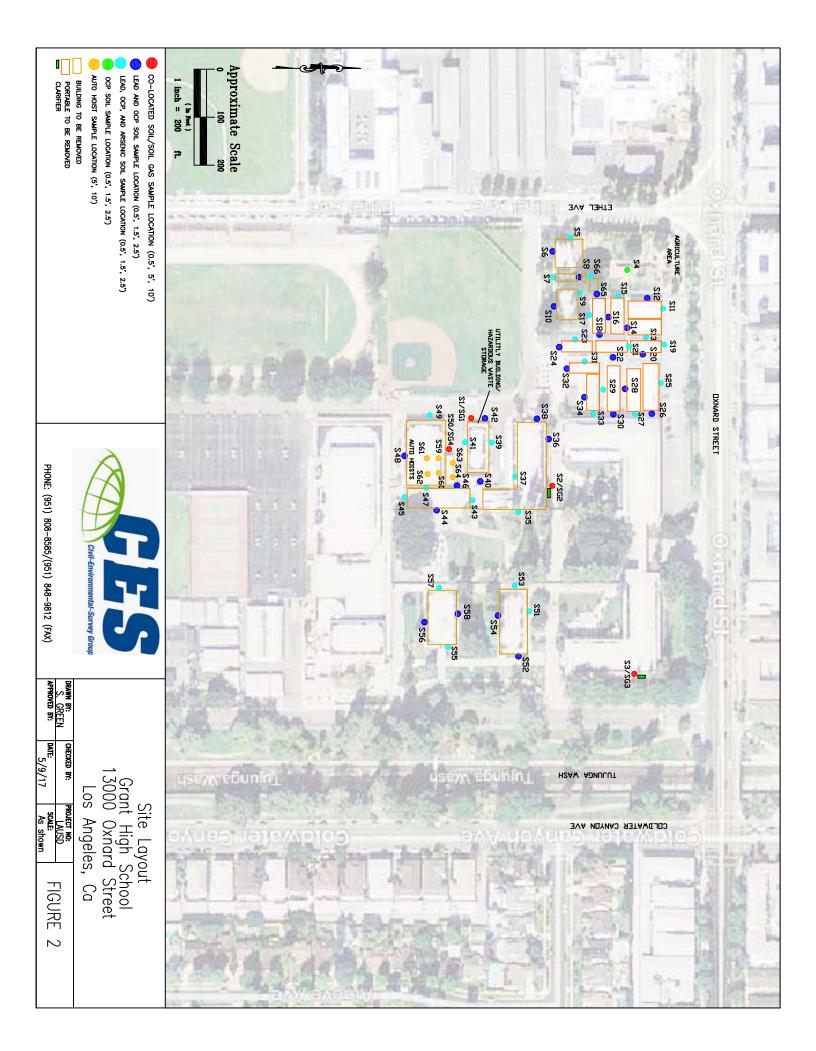


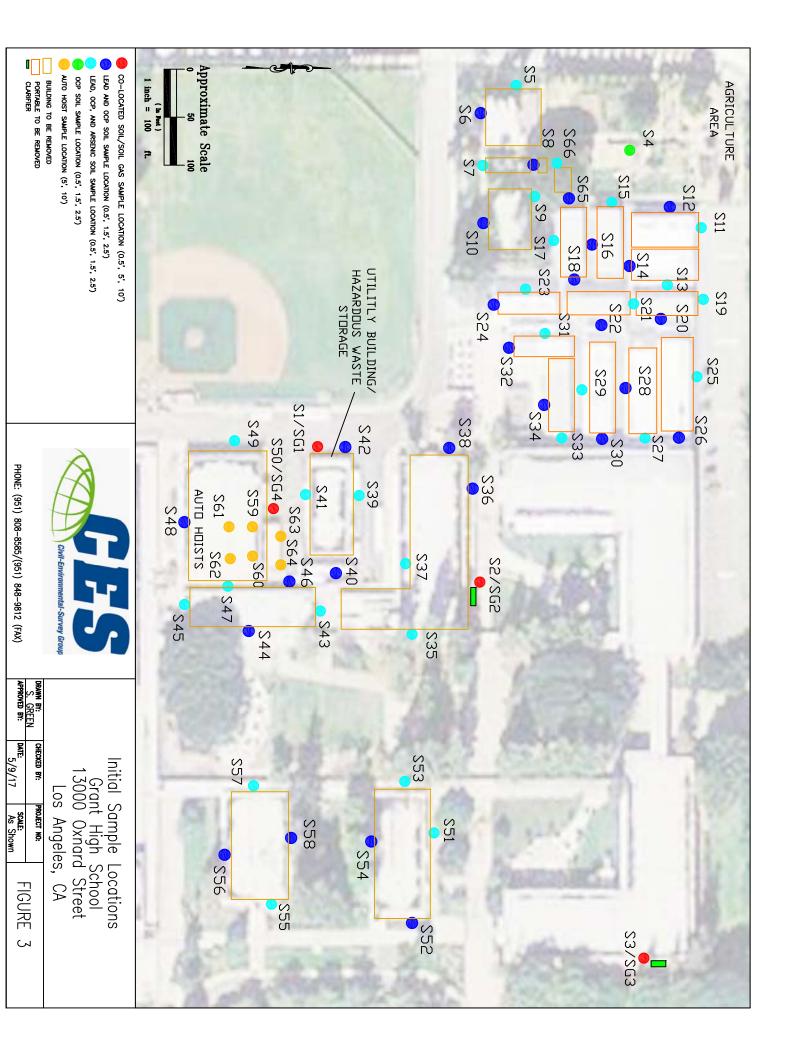
REV DATE DESCRIPTION

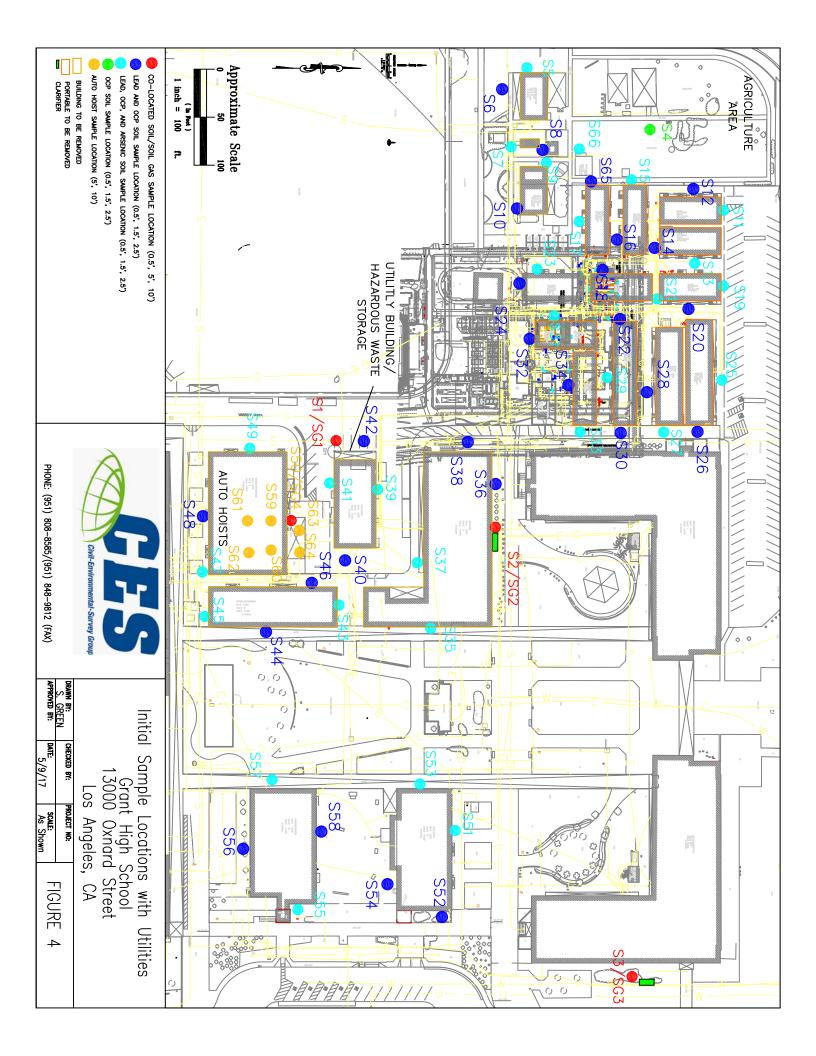
SITE LOCATION MAP Ulysses S. Grant High School 13000 Oxnard Street Los Angeles, CA

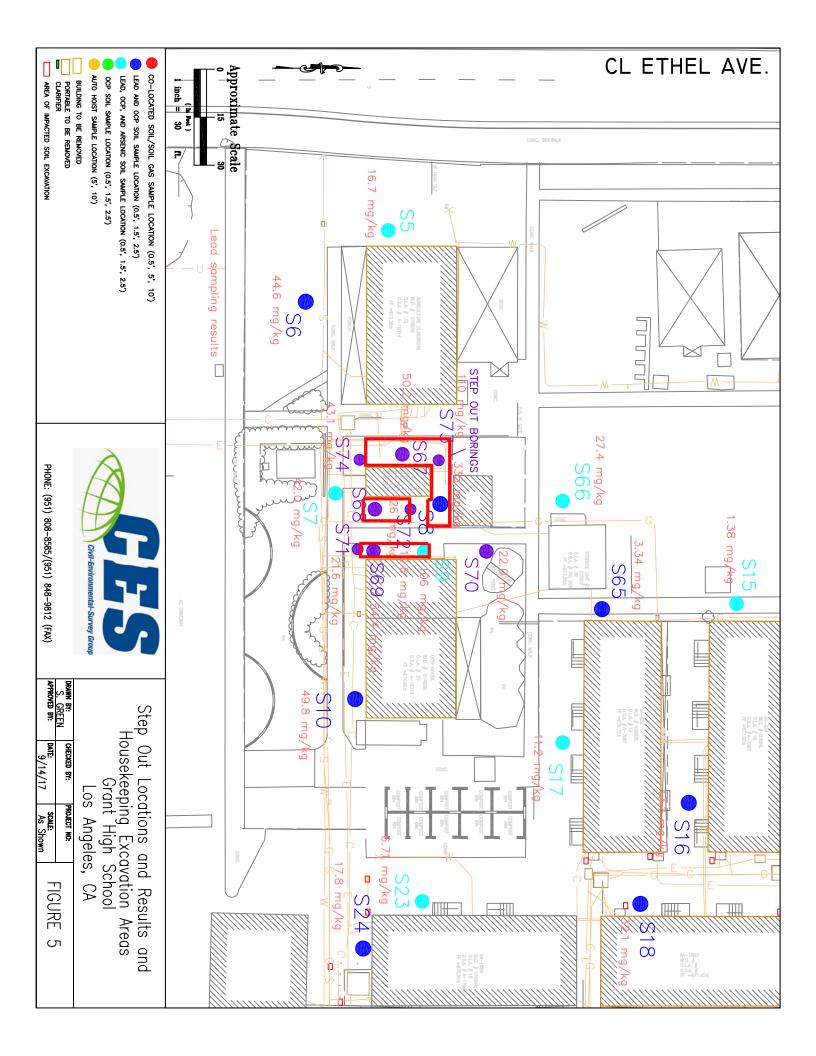
SMG	CHECKED BY:	PROJECT NO: LAUSD	
APPROVED BY:	11/29/16	AS SHOWN	F

FIGURE 1













## **Enthalpy Analytical, Inc.**

Formerly Associated Labs 806 N. Batavia - Orange, CA 92868 Tel: (714)771-6900 Fax: (714)538-1209 www.associatedlabs.com info-sc@enthalpy.com

Client: CES Group, Inc.

Address: 33353 Temecula Pkwy.

Suite 104 #333 Temecula, CA 92592

Attn: Skye Green

Comments: Grant HS

PO# 27016

13000 Oxnard St., Los Angeles, CA 91335

Supplemental Report 2



Lab Request: 385747
Report Date: 01/19/2017
Date Received: 12/22/2016
Client ID: 15581

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

	<u> </u>				
Sample #	Client Sample ID	Sample #	Client Sample ID	Sample #	Client Sample ID
385747-001	S34-0.5'	385747-025	S42-0.5'	385747-049	S53-0.5'
385747-002	S34-1.5'	385747-026	S42-1.5'	385747-050	S53-1.5'
385747-003	S34-2.5'	385747-027	S42-2.5'	385747-051	S53-2.5'
385747-004	S35-0.5'	385747-028	S44-0.5'	385747-052	S54-0.5'
385747-005	S35-1.5'	385747-029	S44-1.5'	385747-053	S54-1.5'
385747-006	S35-2.5'	385747-030	S44-2.5'	385747-054	S54-2.5'
385747-007	S36-0.5'	385747-031	S45-0.5'	385747-055	S56-0.5'
385747-008	S36-1.5'	385747-032	S45-1.5'	385747-056	S56-1.5'
385747-009	S36-2.5'	385747-033	S45-2.5'	385747-057	S56-2.5'
385747-010	S37-0.5'	385747-034	S47-0.5'	385747-058	S57-0.5'
385747-011	S37-1.5'	385747-035	S47-1.5'	385747-059	S57-1.5'
385747-012	S37-2.5'	385747-036	S47-2.5'	385747-060	S57-2.5'
385747-013	S38-0.5'	385747-037	S48-0.5'	385747-061	S58-0.5'
385747-014	S38-1.5'	385747-038	S48-1.5'	385747-062	S58-1.5'
385747-015	S38-2.5'	385747-039	S48-2.5'	385747-063	S58-2.5'
385747-016	S39-0.5'	385747-040	S49-0.5'	385747-064	S53D-0.5'
385747-017	S39-1.5'	385747-041	S49-1.5'	385747-065	S2/SG2-0.5'
385747-018	S39-2.5'	385747-042	S49-2.5'	385747-066	S2/SG2-1.5'
385747-019	S40-0.5'	385747-043	S50/SG4-0.5'	385747-067	S2/SG2-2.5'
385747-020	S40-1.5'	385747-044	S50/SG4-1.5'		
385747-021	S40-2.5'	385747-045	S50/SG4-2.5'		
385747-022	S41-0.5'	385747-046	S51-0.5'		
385747-023	S41-1.5'	385747-047	S51-1.5'		
385747-024	S41-2.5'	385747-048	S51-2.5'		

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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Sampled: 12/21/2016 14:45 Site:

Sample #: 385747-001 Client Sample #: S34-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchII	D: QC	1173757
Lead		0.93	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchII	D: QC	1173653
4,4'-DDD		ND	2 0	.00134	0.01	mg/Kg	12/22/16	12/23/16	LW	
4,4'-DDE		ND	2 0	.00114	0.01	mg/Kg	12/22/16	12/23/16	LW	
4,4'-DDT		ND	2	0.0019	0.01	mg/Kg	12/22/16	12/23/16	LW	
a-BHC		ND	2	0.0004	0.01	mg/Kg	12/22/16	12/23/16	LW	
Aldrin		ND	2 0	.00068	0.01	mg/Kg	12/22/16	12/23/16	LW	
b-BHC		ND	2	0.0024	0.01	mg/Kg	12/22/16	12/23/16	LW	
Chlordane (technical)		ND	2	0.024	0.1	mg/Kg	12/22/16	12/23/16	LW	
d-BHC		ND	2	0.0009	0.01	mg/Kg	12/22/16	12/23/16	LW	
Dieldrin		ND	2 0	.00126	0.01	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan I		ND	2 0	.00056	0.01	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan II		ND	2	0.0016	0.01	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan sulfate		ND	2	0.0034	0.01	mg/Kg	12/22/16	12/23/16	LW	
Endrin		ND	2 0	.00124	0.01	mg/Kg	12/22/16	12/23/16	LW	
Endrin aldehyde		ND	2	0.0018	0.01	mg/Kg	12/22/16	12/23/16	LW	L
Endrin Ketone		ND	2	0.0024	0.01	mg/Kg	12/22/16	12/23/16	LW	
Heptachlor		ND	2 0	.00088	0.01	mg/Kg	12/22/16	12/23/16	LW	
Heptachlor epoxide		ND	2 0	.00054	0.01	mg/Kg	12/22/16	12/23/16	LW	
Lindane (Gamma-BHC)		ND	2	0.0006	0.01	mg/Kg	12/22/16	12/23/16	LW	
Methoxychlor		ND	2	0.0104	0.1	mg/Kg	12/22/16	12/23/16	LW	
Toxaphene		ND	2	0.024	0.2	mg/Kg	12/22/16	12/23/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecovery		<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		;	39		50-150	S				
Tetrachloro-m-xylene TCMX (SU	R)	;	36		50-150	S				

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 14:50 Site:

Sample #: 385747-002 Client Sample #: S34-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 14:55 Site:

Sample #: 385747-003 Client Sample #: S34-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	lotes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/21/2016 12:43 Site:

Sample #: 385747-004 Client Sample #: S35-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchII	D: QC	1173757
Lead		5.78	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchII	D: QC	1173653
4,4'-DDD		ND	1 0	.00067	0.005	mg/Kg	12/22/16	12/23/16	LW	
4,4'-DDE		ND	1 0	.00057	0.005	mg/Kg	12/22/16	12/23/16	LW	
4,4'-DDT		ND	1 0	.00095	0.005	mg/Kg	12/22/16	12/23/16	LW	
a-BHC		ND	1	0.0002	0.005	mg/Kg	12/22/16	12/23/16	LW	
Aldrin		ND	1 0	.00034	0.005	mg/Kg	12/22/16	12/23/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/23/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg	12/22/16	12/23/16	LW	
d-BHC		ND	1 0	.00045	0.005	mg/Kg	12/22/16	12/23/16	LW	
Dieldrin		ND	1 0	.00063	0.005	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan I		ND	1 0	.00028	0.005	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan II		ND	1	8000.0	0.005	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg	12/22/16	12/23/16	LW	
Endrin		ND	1 0	.00062	0.005	mg/Kg	12/22/16	12/23/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg	12/22/16	12/23/16	LW	L
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/23/16	LW	
Heptachlor		ND	1 0	.00044	0.005	mg/Kg	12/22/16	12/23/16	LW	
Heptachlor epoxide		ND	1 0	.00027	0.005	mg/Kg	12/22/16	12/23/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg	12/22/16	12/23/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg	12/22/16	12/23/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg	12/22/16	12/23/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecovery		Limits	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	)		61		50-150					
Tetrachloro-m-xylene TCMX (St	UR)		87		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 12:50 Site:

Sample #: 385747-005 Sample Type: Client Sample #: S35-1.5'

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	Notes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 12:55 Site:

Sample #: 385747-006 Client Sample #: S35-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By No	otes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/21/2016 13:15 Site:

Sample #: 385747-007 Client Sample #: S36-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	l By	Notes
Method: EPA 6010B NELAC P	rep Method:	EPA 3050B						QCBatchl	D: QC	1173757
Lead		13.4	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN	
Method: EPA 8081A NELAC P	rep Method:	EPA 3545						QCBatchl	D: QC	1173653
4,4'-DDD		ND	5 (	0.00335	0.025	mg/Kg	12/22/16	12/23/16	LW	
4,4'-DDE		ND	5 (	0.00285	0.025	mg/Kg	12/22/16	12/23/16	LW	
4,4'-DDT		ND	5 (	0.00475	0.025	mg/Kg	12/22/16	12/23/16	LW	
a-BHC		ND	5	0.001	0.025	mg/Kg	12/22/16	12/23/16	LW	
Aldrin		ND	5	0.0017	0.025	mg/Kg	12/22/16	12/23/16	LW	
b-BHC		ND	5	0.006	0.025	mg/Kg	12/22/16	12/23/16	LW	
Chlordane (technical)		ND	5	0.06	0.25	mg/Kg	12/22/16	12/23/16	LW	
d-BHC		ND	5 (	0.00225	0.025	mg/Kg	12/22/16	12/23/16	LW	
Dieldrin		ND	5 (	0.00315	0.025	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan I		ND	5	0.0014	0.025	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan II		ND	5	0.004	0.025	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan sulfate		ND	5	0.0085	0.025	mg/Kg	12/22/16	12/23/16	LW	
Endrin		ND	5	0.0031	0.025	mg/Kg	12/22/16	12/23/16	LW	
Endrin aldehyde		ND	5	0.0045	0.025	mg/Kg	12/22/16	12/23/16	LW	L
Endrin Ketone		ND	5	0.006	0.025	mg/Kg	12/22/16	12/23/16	LW	
Heptachlor		ND	5	0.0022	0.025	mg/Kg	12/22/16	12/23/16	LW	
Heptachlor epoxide		ND	5 (	0.00135	0.025	mg/Kg	12/22/16	12/23/16	LW	
Lindane (Gamma-BHC)		ND	5	0.0015	0.025	mg/Kg	12/22/16	12/23/16	LW	
Methoxychlor		ND	5	0.026	0.25	mg/Kg	12/22/16	12/23/16	LW	
Toxaphene		0.18 J	5	0.06	0.5	mg/Kg	12/22/16	12/23/16	LW	J
<u>Surrogate</u>		<u>% R</u>	ecover	¥	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)			11		50-150	S				
Tetrachloro-m-xylene TCMX (SUR	?)		17		50-150	S	Dark extra	ct. Matrix inter	ference	

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 13:20 Site:

Sample #: 385747-008 Client Sample #: S36-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	lotes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 13:25 Site:

Sample #: 385747-009 Client Sample #: S36-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/21/2016 14:30 Site:

Sample #: 385747-010 Client Sample #: S37-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyze		Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatch	ID: QC	1173757
Lead		ND	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN	
Method: EPA 6020 NELAC	Prep Method:	EPA 3050B						QCBatch	ID: QC	1173863
Arsenic		6.25	10	0.2	3	mg/Kg	01/02/16	01/03/17	MH	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatch	ID: QC	1173653
4,4'-DDD		ND	10	0.0067	0.05	mg/Kg	12/22/16	12/23/16	LW	
4,4'-DDE		ND	10	0.0057	0.05	mg/Kg	12/22/16	12/23/16	LW	
4,4'-DDT		ND	10	0.0095	0.05	mg/Kg	12/22/16	12/23/16	LW	
a-BHC		ND	10	0.002	0.05	mg/Kg	12/22/16	12/23/16	LW	
Aldrin		ND	10	0.0034	0.05	mg/Kg	12/22/16	12/23/16	LW	
b-BHC		ND	10	0.012	0.05	mg/Kg	12/22/16	12/23/16	LW	
Chlordane (technical)		ND	10	0.12	0.5	mg/Kg	12/22/16	12/23/16	LW	
d-BHC		ND	10	0.0045	0.05	mg/Kg	12/22/16	12/23/16	LW	
Dieldrin		ND	10	0.0063	0.05	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan I		ND	10	0.0028	0.05	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan II		ND	10	0.008	0.05	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan sulfate		ND	10	0.017	0.05	mg/Kg	12/22/16	12/23/16	LW	
Endrin		ND	10	0.0062	0.05	mg/Kg	12/22/16	12/23/16	LW	
Endrin aldehyde		ND	10	0.009	0.05	mg/Kg	12/22/16	12/23/16	LW	L
Endrin Ketone		ND	10	0.012	0.05	mg/Kg	12/22/16	12/23/16	LW	
Heptachlor		ND	10	0.0044	0.05	mg/Kg	12/22/16	12/23/16	LW	
Heptachlor epoxide		ND	10	0.0027	0.05	mg/Kg	12/22/16	12/23/16	LW	
Lindane (Gamma-BHC)		ND	10	0.003	0.05	mg/Kg	12/22/16	12/23/16	LW	
Methoxychlor		ND	10	0.052	0.5	mg/Kg	12/22/16	12/23/16	LW	
Toxaphene		ND	10	0.12	1	mg/Kg	12/22/16	12/23/16	LW	
<u>Surrogate</u>		<u>% F</u>	Recover	<u>.                                    </u>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (S	UR)		08		50-150	S				
Tetrachloro-m-xylene TCMX	((SUR)		08		50-150	S				

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 14:35 Site:

Sample #: 385747-011 Client Sample #: S37-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	otes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 14:40 Site:

Client Sample #: S37-2.5' Sample #: 385747-012 Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					



Sampled: 12/21/2016 13:15 Site:

Sample #: 385747-013 Client Sample #: S38-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Н Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchl	D: Q0	C1173757
Lead		21.1	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchl	D: QC	C1173653
4,4'-DDD		ND	5	0.00335	0.025	mg/Kg	12/22/16	12/23/16	LW	
4,4'-DDE		ND	5	0.00285	0.025	mg/Kg	12/22/16	12/23/16	LW	
4,4'-DDT		ND	5	0.00475	0.025	mg/Kg	12/22/16	12/23/16	LW	
a-BHC		ND	5	0.001	0.025	mg/Kg	12/22/16	12/23/16	LW	
Aldrin		ND	5	0.0017	0.025	mg/Kg	12/22/16	12/23/16	LW	
b-BHC		ND	5	0.006	0.025	mg/Kg	12/22/16	12/23/16	LW	
Chlordane (technical)		ND	5	0.06	0.25	mg/Kg	12/22/16	12/23/16	LW	
d-BHC		ND	5	0.00225	0.025	mg/Kg	12/22/16	12/23/16	LW	
Dieldrin		ND	5	0.00315	0.025	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan I		ND	5	0.0014	0.025	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan II		ND	5	0.004	0.025	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan sulfate		ND	5	0.0085	0.025	mg/Kg	12/22/16	12/23/16	LW	
Endrin		ND	5	0.0031	0.025	mg/Kg	12/22/16	12/23/16	LW	
Endrin aldehyde		ND	5	0.0045	0.025	mg/Kg	12/22/16	12/23/16	LW	L
Endrin Ketone		ND	5	0.006	0.025	mg/Kg	12/22/16	12/23/16	LW	
Heptachlor		ND	5	0.0022	0.025	mg/Kg	12/22/16	12/23/16	LW	
Heptachlor epoxide		ND	5	0.00135	0.025	mg/Kg	12/22/16	12/23/16	LW	
Lindane (Gamma-BHC)		ND	5	0.0015	0.025	mg/Kg	12/22/16	12/23/16	LW	
Methoxychlor		ND	5	0.026	0.25	mg/Kg	12/22/16	12/23/16	LW	
Toxaphene		0.24 J	5	0.06	0.5	mg/Kg	12/22/16	12/23/16	LW	J
<u>Surrogate</u>		<u>% Re</u>	ecover	¥	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		1	13		50-150	S				
Tetrachloro-m-xylene TCMX (SL	JR)	Í	18		50-150	S				

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 13:25 Site:

Sample #: 385747-014 Client Sample #: S38-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	Notes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 13:30 Site:

Sample #: 385747-015 Client Sample #: S38-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	lotes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/21/2016 14:25 Site:

Sample #: 385747-016 Client Sample #: S39-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC P	rep Method:	EPA 3050B						QCBatchII	D: QC	C1173757
Lead		3.18	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN	
Method: EPA 6020 NELAC P	Prep Method:	EPA 3050B						QCBatchII	D: QC	C1173863
Arsenic		1.439 J	10	0.2	3	mg/Kg	01/02/16	01/03/17	МН	J
Method: EPA 8081A NELAC P	rep Method:	EPA 3545						QCBatchII	D: QC	1173653
4,4'-DDD		ND	2 0	0.00134	0.01	mg/Kg	12/22/16	12/26/16	LW	
4,4'-DDE		ND	2 0	0.00114	0.01	mg/Kg	12/22/16	12/26/16	LW	
4,4'-DDT		ND	2	0.0019	0.01	mg/Kg	12/22/16	12/26/16	LW	
a-BHC		ND	2	0.0004	0.01	mg/Kg	12/22/16	12/26/16	LW	
Aldrin		ND	2 0	.00068	0.01	mg/Kg	12/22/16	12/26/16	LW	
b-BHC		ND	2	0.0024	0.01	mg/Kg	12/22/16	12/26/16	LW	
Chlordane (technical)		ND	2	0.024	0.1	mg/Kg	12/22/16	12/26/16	LW	
d-BHC		ND	2	0.0009	0.01	mg/Kg	12/22/16	12/26/16	LW	
Dieldrin		ND	2 0	0.00126	0.01	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan I		ND	2 0	0.00056	0.01	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan II		ND	2	0.0016	0.01	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan sulfate		ND	2	0.0034	0.01	mg/Kg	12/22/16	12/26/16	LW	
Endrin		ND	2 0	0.00124	0.01	mg/Kg	12/22/16	12/26/16	LW	
Endrin aldehyde		ND	2	0.0018	0.01	mg/Kg	12/22/16	12/26/16	LW	L
Endrin Ketone		ND	2	0.0024	0.01	mg/Kg	12/22/16	12/26/16	LW	
Heptachlor		ND	2 0	.00088	0.01	mg/Kg	12/22/16	12/26/16	LW	
Heptachlor epoxide		ND	2 0	0.00054	0.01	mg/Kg	12/22/16	12/26/16	LW	
Lindane (Gamma-BHC)		ND	2	0.0006	0.01	mg/Kg	12/22/16	12/26/16	LW	
Methoxychlor		ND	2	0.0104	0.1	mg/Kg	12/22/16	12/26/16	LW	
Toxaphene		ND	2	0.024	0.2	mg/Kg	12/22/16	12/26/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecovery	<u> </u>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)			45		50-150	S				
Tetrachloro-m-xylene TCMX (SUF	₹)		38		50-150	S				

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 14:30 Site:

Sample #: 385747-017 Client Sample #: S39-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 14:35 Site:

Sample #: 385747-018 Client Sample #: S39-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes	
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						_

Sampled: 12/21/2016 14:35 Site:

Sample #: 385747-019 Client Sample #: S40-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Н Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					-	QCBatchl	D: QC	1173757
Lead		16.6	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchl	D: QC	1173653
4,4'-DDD		ND	50	0.0335	0.25	mg/Kg	12/22/16	12/23/16	LW	
4,4'-DDE		ND	50	0.0285	0.25	mg/Kg	12/22/16	12/26/16	LW	
4,4'-DDT		ND	50	0.0475	0.25	mg/Kg	12/22/16	12/23/16	LW	
a-BHC		ND	50	0.01	0.25	mg/Kg	12/22/16	12/23/16	LW	
Aldrin		ND	50	0.017	0.25	mg/Kg	12/22/16	12/23/16	LW	
b-BHC		ND	50	0.06	0.25	mg/Kg	12/22/16	12/23/16	LW	
Chlordane (technical)		ND	50	0.6	2.5	mg/Kg	12/22/16	12/23/16	LW	
d-BHC		ND	50	0.0225	0.25	mg/Kg	12/22/16	12/23/16	LW	
Dieldrin		ND	50	0.0315	0.25	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan I		ND	50	0.014	0.25	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan II		ND	50	0.04	0.25	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan sulfate		ND	50	0.085	0.25	mg/Kg	12/22/16	12/23/16	LW	
Endrin		ND	50	0.031	0.25	mg/Kg	12/22/16	12/23/16	LW	
Endrin aldehyde		ND	50	0.045	0.25	mg/Kg	12/22/16	12/23/16	LW	L
Endrin Ketone		ND	50	0.06	0.25	mg/Kg	12/22/16	12/23/16	LW	
Heptachlor		ND	50	0.022	0.25	mg/Kg	12/22/16	12/23/16	LW	
Heptachlor epoxide		ND	50	0.0135	0.25	mg/Kg	12/22/16	12/23/16	LW	
Lindane (Gamma-BHC)		ND	50	0.015	0.25	mg/Kg	12/22/16	12/23/16	LW	
Methoxychlor		ND	50	0.26	2.5	mg/Kg	12/22/16	12/23/16	LW	
Toxaphene		ND	50	0.6	5	mg/Kg	12/22/16	12/23/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecover	Y	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)			10		50-150	S				
Tetrachloro-m-xylene TCMX (SU	IR)		00		50-150	S				

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 14:40 Site:

Sample #: 385747-020 Client Sample #: S40-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Not	es
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 14:45 Site:

Sample #: 385747-021 Client Sample #: \$40-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Sampled: 12/21/2016 13:55 Site:

Sample #: 385747-022 Client Sample #: S41-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed		Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchl	D: Q	C1173757
Lead		13.8	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN	
Method: EPA 6020 NELAC	Prep Method:	EPA 3050B						QCBatchl	D: Q	C1173863
Arsenic		7.05	10	0.2	3	mg/Kg	01/02/16	01/03/17	МН	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchl	D: Q	C1173653
4,4'-DDD		ND	2 (	0.00134	0.01	mg/Kg	12/22/16	12/26/16	LW	
4,4'-DDE		0.00180 J	2 (	0.00114	0.01	mg/Kg	12/22/16	12/26/16	LW	J
4,4'-DDT		ND	2	0.0019	0.01	mg/Kg	12/22/16	12/26/16	LW	
a-BHC		ND	2	0.0004	0.01	mg/Kg	12/22/16	12/26/16	LW	
Aldrin		ND	2 (	0.00068	0.01	mg/Kg	12/22/16	12/26/16	LW	
b-BHC		ND	2	0.0024	0.01	mg/Kg	12/22/16	12/26/16	LW	
Chlordane (technical)		0.0350 J	2	0.024	0.1	mg/Kg	12/22/16	12/26/16	LW	
d-BHC		ND	2	0.0009	0.01	mg/Kg	12/22/16	12/26/16	LW	
Dieldrin		ND	2 (	0.00126	0.01	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan I		ND	2 (	0.00056	0.01	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan II		ND	2	0.0016	0.01	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan sulfate		ND	2	0.0034	0.01	mg/Kg	12/22/16	12/26/16	LW	
Endrin		ND	2 (	0.00124	0.01	mg/Kg	12/22/16	12/26/16	LW	
Endrin aldehyde		ND	2	0.0018	0.01	mg/Kg	12/22/16	12/26/16	LW	L
Endrin Ketone		ND	2	0.0024	0.01	mg/Kg	12/22/16	12/26/16	LW	
Heptachlor		ND	2 (	88000.0	0.01	mg/Kg	12/22/16	12/26/16	LW	
Heptachlor epoxide		ND	2 (	0.00054	0.01	mg/Kg	12/22/16	12/26/16	LW	
Lindane (Gamma-BHC)		ND	2	0.0006	0.01	mg/Kg	12/22/16	12/26/16	LW	
Methoxychlor		ND	2	0.0104	0.1	mg/Kg	12/22/16	12/26/16	LW	
Toxaphene		ND	2	0.024	0.2	mg/Kg	12/22/16	12/26/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecover	 <u>V</u>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUI	R)		24		50-150	S				
Tetrachloro-m-xylene TCMX (	,	:	38		50-150	S				

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 14:00 Site:

Sample #: 385747-023 Client Sample #: S41-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Note	S
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 14:05 Site:

Client Sample #: S41-2.5' Sample #: 385747-024 Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					



Sampled: 12/21/2016 14:15 Site:

Sample #: 385747-025 Client Sample #: S42-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC Prep	Method:	EPA 3050B						QCBatchl	D: Q	C1173757
Lead		45.4	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN	
Method: EPA 8081A NELAC Prep	Method:	EPA 3545						QCBatchl	D: Q	C1173653
4,4'-DDD		ND	1 (	0.00067	0.005	mg/Kg	12/22/16	12/26/16	LW	
4,4'-DDE		0.00094 J	1 (	0.00057	0.005	mg/Kg	12/22/16	12/26/16	LW	J
4,4'-DDT		0.00230 J	1 (	0.00095	0.005	mg/Kg	12/22/16	12/26/16	LW	J
a-BHC		ND	1	0.0002	0.005	mg/Kg	12/22/16	12/26/16	LW	
Aldrin		ND	1 (	0.00034	0.005	mg/Kg	12/22/16	12/26/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg	12/22/16	12/26/16	LW	
d-BHC		ND	1 (	0.00045	0.005	mg/Kg	12/22/16	12/26/16	LW	
Dieldrin		ND	1 (	0.00063	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan I		ND	1 (	0.00028	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan II		ND	1	0.0008	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endrin		ND	1 (	0.00062	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg	12/22/16	12/26/16	LW	L
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW	
Heptachlor		ND	1 (	0.00044	0.005	mg/Kg	12/22/16	12/26/16	LW	
Heptachlor epoxide		ND	1 (	0.00027	0.005	mg/Kg	12/22/16	12/26/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg	12/22/16	12/26/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg	12/22/16	12/26/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg	12/22/16	12/26/16	LW	
<u>Surrogate</u>		% Re	ecover	<b>Y</b>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		4	13		50-150	S				
Tetrachloro-m-xylene TCMX (SUR)		7	72		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 14:20 Site:

Sample #: 385747-026 Client Sample #: \$42-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 14:25 Site:

Sample #: 385747-027 Client Sample #: S42-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	lotes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/21/2016 11:34 Site:

Sample #: 385747-028 Client Sample #: S44-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchII	D: QC	1173757
Lead		5.62	1	0.32	0.5	mg/Kg	12/28/16	12/28/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchII	D: QC	1173653
4,4'-DDD		ND	1 0	.00067	0.005	mg/Kg	12/22/16	12/26/16	LW	
4,4'-DDE		ND	1 0	.00057	0.005	mg/Kg	12/22/16	12/26/16	LW	
4,4'-DDT		ND	1 0	.00095	0.005	mg/Kg	12/22/16	12/26/16	LW	
a-BHC		ND	1	0.0002	0.005	mg/Kg	12/22/16	12/26/16	LW	
Aldrin		ND	1 0	.00034	0.005	mg/Kg	12/22/16	12/26/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg	12/22/16	12/26/16	LW	
d-BHC		ND	1 0	.00045	0.005	mg/Kg	12/22/16	12/26/16	LW	
Dieldrin		ND	1 0	.00063	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan I		ND	1 0	.00028	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan II		ND	1	8000.0	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endrin		ND	1 0	.00062	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg	12/22/16	12/26/16	LW	L
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW	
Heptachlor		ND	1 0	.00044	0.005	mg/Kg	12/22/16	12/26/16	LW	
Heptachlor epoxide		ND	1 0	.00027	0.005	mg/Kg	12/22/16	12/26/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg	12/22/16	12/26/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg	12/22/16	12/26/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg	12/22/16	12/26/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecovery	<u>/</u>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)			66		50-150					
Tetrachloro-m-xylene TCMX (SU	IR)	(	69		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 11:37 Site:

Sample #: 385747-029 Sample Type: Client Sample #: S44-1.5'

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	Notes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 11:40 Site:

Sample #: 385747-030 Client Sample #: S44-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By No	otes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/21/2016 11:20 Site:

Sample #: 385747-031 Client Sample #: S45-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	l By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					-	QCBatchl	D: Q	C1173757
Lead		6.45	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchl	D: Q	C1173653
4,4'-DDD		ND	1	0.00067	0.005	mg/Kg	12/22/16	12/26/16	LW	
4,4'-DDE		0.002 J	1	0.00057	0.005	mg/Kg	12/22/16	12/26/16	LW	J
4,4'-DDT		0.003 J	1	0.00095	0.005	mg/Kg	12/22/16	12/26/16	LW	J
a-BHC		ND	1	0.0002	0.005	mg/Kg	12/22/16	12/26/16	LW	
Aldrin		ND	1	0.00034	0.005	mg/Kg	12/22/16	12/26/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg	12/22/16	12/26/16	LW	
d-BHC		0.001 J	1	0.00045	0.005	mg/Kg	12/22/16	12/26/16	LW	J
Dieldrin		0.01200 J	5	0.00315	0.025	mg/Kg	12/22/16	12/26/16	LW	J
Endosulfan I		ND	1	0.00028	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan II		ND	1	0.0008	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endrin		ND	1	0.00062	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg	12/22/16	12/26/16	LW	L
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW	
Heptachlor		ND	1	0.00044	0.005	mg/Kg	12/22/16	12/26/16	LW	
Heptachlor epoxide		0.001 J	1	0.00027	0.005	mg/Kg	12/22/16	12/26/16	LW	J
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg	12/22/16	12/26/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg	12/22/16	12/26/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg	12/22/16	12/26/16	LW	
<u>Surrogate</u>		<u>% Re</u>	ecove	ry	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		6	52		50-150					
Tetrachloro-m-xylene TCMX (SL	IR)	8	33		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 11:25 Site:

Sample #: 385747-032 Client Sample #: S45-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 11:30 Site:

Sample #: 385747-033 Client Sample #: S45-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Sampled: 12/21/2016 11:13 Site:

Sample #: 385747-034 Client Sample #: S47-0.5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By Notes
Method: EPA 6010B NELAC Prep Method:	EPA 3050B					-	QCBatchII	D: QC1173757
Lead	56.6	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6010B NELAC Prep Method:	STLC						QCBatchII	D: QC1174165
Lead	2.86	10	0.12	0.15	mg/L	01/09/17	01/10/17	KLN
Method: EPA 8081A NELAC Prep Method:	EPA 3545						QCBatchII	D: QC1173653
4,4'-DDD	ND	1 0	.00067	0.005	mg/Kg	12/22/16	12/26/16	LW
4,4'-DDE	ND	1 0	.00057	0.005	mg/Kg	12/22/16	12/26/16	LW
4,4'-DDT	ND	1 0	.00095	0.005	mg/Kg	12/22/16	12/26/16	LW
a-BHC	ND	1	0.0002	0.005	mg/Kg	12/22/16	12/26/16	LW
Aldrin	ND	1 0	.00034	0.005	mg/Kg	12/22/16	12/26/16	LW
b-BHC	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/22/16	12/26/16	LW
d-BHC	ND	1 0	.00045	0.005	mg/Kg	12/22/16	12/26/16	LW
Dieldrin	ND	1 0	.00063	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan I	ND	1 0	.00028	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan II	ND	1	0.0008	0.005	mg/Kg	12/22/16	12/26/16	LW
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg	12/22/16	12/26/16	LW
Endrin	ND	1 0	.00062	0.005	mg/Kg	12/22/16	12/26/16	LW
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg	12/22/16	12/26/16	LW L
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW
Heptachlor	ND	1 0	.00044	0.005	mg/Kg	12/22/16	12/26/16	LW
Heptachlor epoxide	ND	1 0	.00027	0.005	mg/Kg	12/22/16	12/26/16	LW
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg	12/22/16	12/26/16	LW
Methoxychlor	ND	1	0.0052	0.05	mg/Kg	12/22/16	12/26/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/22/16	12/26/16	LW
<u>Surrogate</u>	<u>% Re</u>	covery	<u>.</u>	<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)	3	6		50-150	S			
Tetrachloro-m-xylene TCMX (SUR)	8	6		50-150				

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 11:17 Site:

Sample #: 385747-035 Client Sample #: S47-1.5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050B						QCBatchID:	: QC1174305
Lead	8,20	1	0.32	0.5	ma/Ka	01/13/17	01/16/17	JN

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 11:21 Site:

Sample #: 385747-036 Client Sample #: S47-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes	
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						_

Sampled: 12/21/2016 10:45 Site:

Sample #: 385747-037 Client Sample #: S48-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchl	D: Q	C1173757
Lead		32.9	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchl	D: Q	C1173653
4,4'-DDD		0.001 J	1 0	.00067	0.005	mg/Kg	12/22/16	12/26/16	LW	J
4,4'-DDE		ND	1 0	.00057	0.005	mg/Kg	12/22/16	12/26/16	LW	
4,4'-DDT		0.001 J	1 0	.00095	0.005	mg/Kg	12/22/16	12/26/16	LW	J
a-BHC		ND	1	0.0002	0.005	mg/Kg	12/22/16	12/26/16	LW	
Aldrin		ND	1 0	.00034	0.005	mg/Kg	12/22/16	12/26/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg	12/22/16	12/26/16	LW	
d-BHC		ND	1 0	.00045	0.005	mg/Kg	12/22/16	12/26/16	LW	
Dieldrin		ND	1 0	.00063	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan I		ND	1 0	.00028	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan II		ND	1	8000.0	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endrin		ND	1 0	.00062	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg	12/22/16	12/26/16	LW	L
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW	
Heptachlor		ND	1 0	.00044	0.005	mg/Kg	12/22/16	12/26/16	LW	
Heptachlor epoxide		ND	1 0	.00027	0.005	mg/Kg	12/22/16	12/26/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg	12/22/16	12/26/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg	12/22/16	12/26/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg	12/22/16	12/26/16	LW	
<u>Surrogate</u>		<u>% Re</u>	ecovery	<u> </u>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		3	37		50-150	S				
Tetrachloro-m-xylene TCMX (SL	IR)	8	35		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 10:50 Site:

Sample #: 385747-038 Client Sample #: S48-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Not	es
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 11:00 Site:

Sample #: 385747-039 Client Sample #: S48-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	lotes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/21/2016 11:00 Site:

Sample #: 385747-040 Client Sample #: S49-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	l By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchl	D: Q	C1173757
Lead		11.9	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchl	D: Q	C1173653
4,4'-DDD		ND	1	0.00067	0.005	mg/Kg	12/22/16	12/26/16	LW	
4,4'-DDE		ND	1	0.00057	0.005	mg/Kg	12/22/16	12/26/16	LW	
4,4'-DDT		ND	1	0.00095	0.005	mg/Kg	12/22/16	12/26/16	LW	
a-BHC		ND	1	0.0002	0.005	mg/Kg	12/22/16	12/26/16	LW	
Aldrin		ND	1	0.00034	0.005	mg/Kg	12/22/16	12/26/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg	12/22/16	12/26/16	LW	
d-BHC		ND	1	0.00045	0.005	mg/Kg	12/22/16	12/26/16	LW	
Dieldrin		ND	1	0.00063	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan I		ND	1	0.00028	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan II		ND	1	8000.0	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endrin		ND	1	0.00062	0.005	mg/Kg	12/22/16	12/26/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg	12/22/16	12/26/16	LW	L
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/26/16	LW	
Heptachlor		ND	1	0.00044	0.005	mg/Kg	12/22/16	12/26/16	LW	
Heptachlor epoxide		ND	1	0.00027	0.005	mg/Kg	12/22/16	12/26/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg	12/22/16	12/26/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg	12/22/16	12/26/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg	12/22/16	12/26/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecove	ry	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		•	43		50-150	S				
Tetrachloro-m-xylene TCMX (SU	R)		79		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

**Sampled:** 12/21/2016 11:05 Site:

Sample #: 385747-041 Sample Type: Client Sample #: S49-1.5'

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 11:10 Site:

Sample #: 385747-042 Client Sample #: \$49-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	lotes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/21/2016 13:55 Site:

Sample #: 385747-043 Client Sample #: S50/SG4-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchII	D: QC	C1173757
Lead		0.74	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchII	D: QC	C1173653
4,4'-DDD		ND	1 0	.00067	0.005	mg/Kg	12/22/16	12/23/16	LW	
4,4'-DDE		ND	1 0	.00057	0.005	mg/Kg	12/22/16	12/23/16	LW	
4,4'-DDT		ND	1 0	.00095	0.005	mg/Kg	12/22/16	12/23/16	LW	
a-BHC		ND	1	0.0002	0.005	mg/Kg	12/22/16	12/23/16	LW	
Aldrin		ND	1 0	.00034	0.005	mg/Kg	12/22/16	12/23/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/23/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg	12/22/16	12/23/16	LW	
d-BHC		ND	1 0	.00045	0.005	mg/Kg	12/22/16	12/23/16	LW	
Dieldrin		ND	1 0	.00063	0.005	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan I		ND	1 0	.00028	0.005	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan II		ND	1	8000.0	0.005	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg	12/22/16	12/23/16	LW	
Endrin		ND	1 0	.00062	0.005	mg/Kg	12/22/16	12/23/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg	12/22/16	12/23/16	LW	L
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/23/16	LW	
Heptachlor		ND	1 0	.00044	0.005	mg/Kg	12/22/16	12/23/16	LW	
Heptachlor epoxide		ND	1 0	.00027	0.005	mg/Kg	12/22/16	12/23/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg	12/22/16	12/23/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg	12/22/16	12/23/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg	12/22/16	12/23/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecovery	<u>′</u>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	)	6	51		50-150					
Tetrachloro-m-xylene TCMX (St	JR)	7	77		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 14:00 Site:

Sample #: 385747-044 Client Sample #: S50/SG4-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 14:05 Site:

Sample #: 385747-045 Client Sample #: S50/SG4-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Note	es
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/21/2016 15:45 Site:

Sample #: 385747-046 Client Sample #: S51-0.5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B NELAC Prep Method:	EPA 3050B						QCBatchII	): Q(	C1173757
Lead	8.91	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC Prep Method	EPA 3545						QCBatchII	D: Q(	C1173653
4,4'-DDD	ND	1 0.	.00067	0.005	mg/Kg	12/22/16	12/30/16	LW	
4,4'-DDE	0.001 J	1 0.	.00057	0.005	mg/Kg	12/22/16	12/30/16	LW	J
4,4'-DDT	ND	1 0.	.00095	0.005	mg/Kg	12/22/16	12/30/16	LW	
a-BHC	ND	1 (	0.0002	0.005	mg/Kg	12/22/16	12/30/16	LW	
Aldrin	ND	1 0.	.00034	0.005	mg/Kg	12/22/16	12/30/16	LW	
b-BHC	ND	1 (	0.0012	0.005	mg/Kg	12/22/16	12/30/16	LW	
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/22/16	12/30/16	LW	
d-BHC	ND	1 0.	.00045	0.005	mg/Kg	12/22/16	12/30/16	LW	
Dieldrin	ND	1 0.	.00063	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endosulfan I	ND	1 0.	.00028	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endosulfan II	ND	1 (	8000.0	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endosulfan sulfate	ND	1 (	0.0017	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endrin	ND	1 0.	.00062	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endrin aldehyde	ND	1 (	0.0009	0.005	mg/Kg	12/22/16	12/30/16	LW	L
Endrin Ketone	ND	1 (	0.0012	0.005	mg/Kg	12/22/16	12/30/16	LW	
Heptachlor	ND	1 0.	.00044	0.005	mg/Kg	12/22/16	12/30/16	LW	
Heptachlor epoxide	ND	1 0.	.00027	0.005	mg/Kg	12/22/16	12/30/16	LW	
Lindane (Gamma-BHC)	ND	1 (	0.0003	0.005	mg/Kg	12/22/16	12/30/16	LW	
Methoxychlor	ND	1 (	0.0052	0.05	mg/Kg	12/22/16	12/30/16	LW	
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/22/16	12/30/16	LW	
<u>Surrogate</u>	<u>% Re</u>	covery		<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	3	5		50-150	S				
Tetrachloro-m-xylene TCMX (SUR)	5	8		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 15:50 Site:

Sample #: 385747-047 Client Sample #: S51-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 15:55 Site:

Sample #: 385747-048 Client Sample #: S51-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/21/2016 15:40 Site:

Sample #: 385747-049 Client Sample #: S53-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchII	D: QC	1173757
Lead		31.0	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchII	D: QC	1173653
4,4'-DDD		ND	1 0	0.00067	0.005	mg/Kg	12/22/16	12/30/16	LW	
4,4'-DDE		ND	1 0	0.00057	0.005	mg/Kg	12/22/16	12/30/16	LW	
4,4'-DDT		ND	1 0	0.00095	0.005	mg/Kg	12/22/16	12/30/16	LW	
a-BHC		ND	1	0.0002	0.005	mg/Kg	12/22/16	12/30/16	LW	
Aldrin		ND	1 0	0.00034	0.005	mg/Kg	12/22/16	12/30/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/30/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg	12/22/16	12/30/16	LW	
d-BHC		ND	1 0	0.00045	0.005	mg/Kg	12/22/16	12/30/16	LW	
Dieldrin		ND	1 0	0.00063	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endosulfan I		ND	1 0	0.00028	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endosulfan II		ND	1	8000.0	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endrin		ND	1 0	.00062	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg	12/22/16	12/30/16	LW	L
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/30/16	LW	
Heptachlor		ND	1 0	0.00044	0.005	mg/Kg	12/22/16	12/30/16	LW	
Heptachlor epoxide		ND	1 0	.00027	0.005	mg/Kg	12/22/16	12/30/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg	12/22/16	12/30/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg	12/22/16	12/30/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg	12/22/16	12/30/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecover)	4	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	)	2	27		50-150	S				
Tetrachloro-m-xylene TCMX (St	JR)	6	66		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 15:50 Site:

Sample #: 385747-050 Client Sample #: S53-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 15:55 Site:

Sample #: 385747-051 Client Sample #: S53-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/21/2016 16:00 Site:

Sample #: 385747-052 Client Sample #: S54-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	d By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatch	ID: Q	C1173757
Lead		30.4	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatch	ID: Q	C1173653
4,4'-DDD		0.078	2 0	.00134	0.01	mg/Kg	12/22/16	12/23/16	LW	
4,4'-DDE		0.04500 J	10	0.0057	0.05	mg/Kg	12/22/16	12/23/16	LW	J
4,4'-DDT		0.00870 J	2	0.0019	0.01	mg/Kg	12/22/16	12/23/16	LW	J
a-BHC		ND	2	0.0004	0.01	mg/Kg	12/22/16	12/23/16	LW	
Aldrin		ND	2 0	.00068	0.01	mg/Kg	12/22/16	12/23/16	LW	
b-BHC		ND	2	0.0024	0.01	mg/Kg	12/22/16	12/23/16	LW	
Chlordane (technical)		0.0560 J	2	0.024	0.1	mg/Kg	12/22/16	12/23/16	LW	J
d-BHC		ND	2	0.0009	0.01	mg/Kg	12/22/16	12/23/16	LW	
Dieldrin		0.01300	2 0	.00126	0.01	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan I		ND	2 0	.00056	0.01	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan II		ND	2	0.0016	0.01	mg/Kg	12/22/16	12/23/16	LW	
Endosulfan sulfate		ND	2	0.0034	0.01	mg/Kg	12/22/16	12/23/16	LW	
Endrin		ND	2 0	.00124	0.01	mg/Kg	12/22/16	12/23/16	LW	
Endrin aldehyde		ND	2	0.0018	0.01	mg/Kg	12/22/16	12/23/16	LW	L
Endrin Ketone		ND	2	0.0024	0.01	mg/Kg	12/22/16	12/23/16	LW	
Heptachlor		ND	2 0	.00088	0.01	mg/Kg	12/22/16	12/23/16	LW	
Heptachlor epoxide		0.00120 J	2 0	.00054	0.01	mg/Kg	12/22/16	12/23/16	LW	J
Lindane (Gamma-BHC)		ND	2	0.0006	0.01	mg/Kg	12/22/16	12/23/16	LW	
Methoxychlor		ND	2	0.0104	0.1	mg/Kg	12/22/16	12/23/16	LW	
Toxaphene		0.028 J	2	0.024	0.2	mg/Kg	12/22/16	12/23/16	LW	J
<u>Surrogate</u>		<u>% R</u>	ecovery	<u>′</u>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		;	34		50-150	S				
Tetrachloro-m-xylene TCMX (SU	R)	•	48		50-150	S				

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 16:05 Site:

Sample #: 385747-053 Sample Type: Client Sample #: S54-1.5'

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 16:10 Site:

Sample #: 385747-054 Client Sample #: S54-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	lotes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/21/2016 16:15 Site:

Sample #: 385747-055 Client Sample #: \$56-0.5' Sample Type:

Analyte		Result	DI	F MDL	RDL	Units	Prepared	Analyzed	l By	Notes
Method: EPA 6010B NELAC Prep	Method:	EPA 3050B						QCBatchl	D: Q	C1173756
Lead		25.1	1	0.32	0.5	mg/Kg	12/27/16	12/28/16	JN	
Method: EPA 8081A NELAC Prep	Method:	EPA 3545						QCBatchl	D: Q	C1173653
4,4'-DDD		ND	1	0.00067	0.005	mg/Kg	12/22/16	12/30/16	LW	
4,4'-DDE		ND	1	0.00057	0.005	mg/Kg	12/22/16	12/30/16	LW	
4,4'-DDT		ND	1	0.00095	0.005	mg/Kg	12/22/16	12/30/16	LW	
a-BHC		ND	1	0.0002	0.005	mg/Kg	12/22/16	12/30/16	LW	
Aldrin		ND	1	0.00034	0.005	mg/Kg	12/22/16	12/30/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/30/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg	12/22/16	12/30/16	LW	
d-BHC		ND	1	0.00045	0.005	mg/Kg	12/22/16	12/30/16	LW	
Dieldrin		ND	1	0.00063	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endosulfan I		ND	1	0.00028	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endosulfan II		ND	1	0.0008	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endrin		ND	1	0.00062	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg	12/22/16	12/30/16	LW	L
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/30/16	LW	
Heptachlor		ND	1	0.00044	0.005	mg/Kg	12/22/16	12/30/16	LW	
Heptachlor epoxide		ND	1	0.00027	0.005	mg/Kg	12/22/16	12/30/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg	12/22/16	12/30/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg	12/22/16	12/30/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg	12/22/16	12/30/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecove	ry	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)			59		50-150					
Tetrachloro-m-xylene TCMX (SUR)		1	03		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 16:20 Site:

Sample #: 385747-056 Client Sample #: \$56-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	lotes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 16:25 Site:

Sample #: 385747-057 Client Sample #: S56-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Note	es
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/21/2016 16:20 Site:

Sample #: 385747-058 Client Sample #: S57-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchII	D: QC	1173756
Lead		10.1	1	0.32	0.5	mg/Kg	12/27/16	12/28/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchII	D: QC	1173653
4,4'-DDD		ND	1 0	0.00067	0.005	mg/Kg	12/22/16	12/30/16	LW	
4,4'-DDE		ND	1 0	0.00057	0.005	mg/Kg	12/22/16	12/30/16	LW	
4,4'-DDT		ND	1 0	0.00095	0.005	mg/Kg	12/22/16	12/30/16	LW	
a-BHC		ND	1	0.0002	0.005	mg/Kg	12/22/16	12/30/16	LW	
Aldrin		ND	1 0	0.00034	0.005	mg/Kg	12/22/16	12/30/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/30/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg	12/22/16	12/30/16	LW	
d-BHC		ND	1 0	0.00045	0.005	mg/Kg	12/22/16	12/30/16	LW	
Dieldrin		ND	1 0	0.00063	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endosulfan I		ND	1 0	0.00028	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endosulfan II		ND	1	0.0008	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endrin		ND	1 0	0.00062	0.005	mg/Kg	12/22/16	12/30/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg	12/22/16	12/30/16	LW	L
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg	12/22/16	12/30/16	LW	
Heptachlor		ND	1 0	0.00044	0.005	mg/Kg	12/22/16	12/30/16	LW	
Heptachlor epoxide		ND	1 0	0.00027	0.005	mg/Kg	12/22/16	12/30/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg	12/22/16	12/30/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg	12/22/16	12/30/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg	12/22/16	12/30/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecovery	4	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		•	44		50-150	S				
Tetrachloro-m-xylene TCMX (SU	JR)		93		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 16:25 Site:

Sample #: 385747-059 Sample Type: Client Sample #: S57-1.5'

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	Notes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 16:30 Site:

Sample #: 385747-060 Client Sample #: S57-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Note	es
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/21/2016 16:00 Site:

Sample #: 385747-061 Client Sample #: S58-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	By Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					-	QCBatchII	D: QC1173756
Lead		28.9	1	0.32	0.5	mg/Kg	12/27/16	12/28/16	JN
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchII	D: QC1173682
4,4'-DDD		ND	1 0	0.00067	0.005	mg/Kg		12/25/16	LW
4,4'-DDE		0.011	1 0	0.00057	0.005	mg/Kg		12/25/16	LW
4,4'-DDT		0.006	1 0	0.00095	0.005	mg/Kg		12/25/16	LW
a-BHC		ND	1	0.0002	0.005	mg/Kg		12/25/16	LW
Aldrin		ND	1 0	0.00034	0.005	mg/Kg		12/25/16	LW
b-BHC		ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg		12/25/16	LW
d-BHC		ND	1 0	0.00045	0.005	mg/Kg		12/25/16	LW
Dieldrin		0.001 J	1 0	0.00063	0.005	mg/Kg		12/25/16	LW
Endosulfan I		ND	1 0	0.00028	0.005	mg/Kg		12/25/16	LW
Endosulfan II		ND	1	8000.0	0.005	mg/Kg		12/25/16	LW
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg		12/25/16	LW
Endrin		ND	1 0	0.00062	0.005	mg/Kg		12/25/16	LW
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg		12/25/16	LW
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg		12/25/16	LW
Heptachlor		ND	1 0	0.00044	0.005	mg/Kg		12/25/16	LW
Heptachlor epoxide		ND	1 0	0.00027	0.005	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg		12/25/16	LW
Methoxychlor		ND	1	0.0052	0.05	mg/Kg		12/25/16	LW
Toxaphene		ND	1	0.012	0.1	mg/Kg		12/25/16	LW
<u>Surrogate</u>		<u>% R</u>	ecovery	Y	<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)		7	70		50-150				
Tetrachloro-m-xylene TCMX (SU	IR)	7	77		50-150				

Matrix: Solid Client: CES Group, Inc. Collector: Client

**Sampled:** 12/21/2016 16:05 **Site:** 

Sample #: 385747-062 Client Sample #: \$58-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Not	tes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 16:10 Site:

Sample #: 385747-063 Client Sample #: S58-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/21/2016 15:45 Site:

Sample #: 385747-064	Client Sample #:	S53D-0.5'				Sample	Type:			
Analyte	F	Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method: EPA	A 3050B						QCBatchID	): Q	C1173758
Lead		27.9	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC	Prep Method: EPA	A 3545						QCBatchID	): Q	C1173682
4,4'-DDD		ND	1	0.00067	0.005	mg/Kg		12/25/16	LW	
4,4'-DDE	(	).001 J	1	0.00057	0.005	mg/Kg		12/25/16	LW	
4,4'-DDT	(	).001 J	1	0.00095	0.005	mg/Kg		12/25/16	LW	
a-BHC		ND	1	0.0002	0.005	mg/Kg		12/25/16	LW	
Aldrin		ND	1	0.00034	0.005	mg/Kg		12/25/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg		12/25/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg		12/25/16	LW	
d-BHC		ND	1	0.00045	0.005	mg/Kg		12/25/16	LW	
Dieldrin		ND	1	0.00063	0.005	mg/Kg		12/25/16	LW	
Endosulfan I		ND	1	0.00028	0.005	mg/Kg		12/25/16	LW	
Endosulfan II		ND	1	8000.0	0.005	mg/Kg		12/25/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg		12/25/16	LW	
Endrin		ND	1	0.00062	0.005	mg/Kg		12/25/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg		12/25/16	LW	
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg		12/25/16	LW	
Heptachlor		ND	1	0.00044	0.005	mg/Kg		12/25/16	LW	
Heptachlor epoxide		ND	1	0.00027	0.005	mg/Kg		12/25/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg		12/25/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg		12/25/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg		12/25/16	LW	
<u>Surrogate</u>		% Red	cove	<u>ry</u>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		75	5		50-150					
Tetrachloro-m-xylene TCMX (SL	IR)	92	2		50-150					
Matrix: Solid	Client:	CES Group	o, Inc	).		Coll	ector: Client			
Sampled: 12/21/2016 13:00	Site:									
Sample #: 385747-065	Client Sample #:	S2/SG2-0.5	5'			Sample	Type:			

Analyte		Result	DF	MDL	RDL	Units	<b>Prepared</b>	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Client: CES Group, Inc. Matrix: Solid Collector: Client

Sampled: 12/21/2016 13:05 Site:

Sample #: 385747-066 Client Sample #: S2/SG2-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/21/2016 13:10 Site:

Client Sample #: S2/SG2-2.5' Sample #: 385747-067 Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					



QCBatchID:QC1173653Analyst:nhernandezMethod:EPA 8081AMatrix:SolidAnalyzed:12/22/2016Instrument:SVOA-GC (group)

	Blar	nk Summar	/			
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Analyte	Result	Units	MDL	RDL	Notes	
QC1173653MB1	-	•	•	•	•	•
4,4'-DDD	ND	mg/Kg	0.67	5		
4,4'-DDE	ND	mg/Kg	0.57	5		
4,4'-DDT	ND	mg/Kg	0.95	5		
a-BHC	ND	mg/Kg	0.2	5		
Aldrin	ND	mg/Kg	0.34	5		
b-BHC	ND	mg/Kg	1.2	5		
Chlordane (technical)	ND	mg/Kg	12	50		
d-BHC	ND	mg/Kg	0.45	5		
Dieldrin	ND	mg/Kg	0.63	5		
Endosulfan I	ND	mg/Kg	0.28	5		
Endosulfan II	ND	mg/Kg	0.8	5		
Endosulfan sulfate	ND	mg/Kg	1.7	5		
Endrin	ND	mg/Kg	0.62	5		
Endrin aldehyde	ND	mg/Kg	0.9	5		
Endrin Ketone	ND	mg/Kg	1.2	5		
Heptachlor	ND	mg/Kg	0.44	5		
Heptachlor epoxide	ND	mg/Kg	0.27	5		
Lindane (Gamma-BHC)	ND	mg/Kg	0.3	5		
Methoxychlor	ND	mg/Kg	5.2	10		
Toxaphene	ND	mg/Kg	12	100		

Lab Control Spike/ Lab Control Spike Duplicate Summary									
	Spike Amount	Spike Result		Recoveries		Limit	s		
Analyte	LCS LCSD	LCS LCSD	Units	LCS LCSD	RPD	%Rec	RPD	Notes	
QC1173653LCS1	<u>'</u>	-			'				
4,4'-DDE	0.005	0.00380	mg/Kg	76		70-130			
4,4'-DDT	0.005	0.00370	mg/Kg	74		70-130			
a-BHC	0.005	0.00400	mg/Kg	80		70-130			
Aldrin	0.005	0.00410	mg/Kg	82		70-130			
b-BHC	0.005	0.00400	mg/Kg	80		70-130			
d-BHC	0.005	0.00470	mg/Kg	94		70-130			
Dieldrin	0.005	0.00400	mg/Kg	80		70-130			
Endosulfan I	0.005	0.00370	mg/Kg	74		70-130			
Endosulfan II	0.005	0.00350	mg/Kg	70		70-130			
Endosulfan sulfate	0.005	0.00420	mg/Kg	84		70-130			
Endrin	0.005	0.00390	mg/Kg	78		70-130			
Endrin aldehyde	0.005	0.00320	mg/Kg	64		70-130		L	
Heptachlor	0.005	0.00390	mg/Kg	78		70-130			
Heptachlor epoxide	0.005	0.00390	mg/Kg	78		70-130			
Lindane (Gamma-BHC)	0.005	0.00420	mg/Kg	84		70-130			
Methoxychlor	0.005	0.0038	mg/Kg	76		70-130			

Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Spike /	Amount	Spike	Result		Reco	veries		Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173653MS1, QC1173653MSD1				•			•			Sc	urce:	385747-001
4,4'-DDE	ND	0.005	0.005	0.00200	0.00140	mg/Kg	40	28	35.3	70-130	20	М
4,4'-DDT	ND	0.005	0.005	0.00220	0.00150	mg/Kg	44	30	37.8	70-130	20	M
a-BHC	ND	0.005	0.005	0.00190	0.00180	mg/Kg	38	36	5.4	70-130	20	M
Aldrin	ND	0.005	0.005	0.00210	0.00170	mg/Kg	42	34	21.1	70-130	20	M
b-BHC	ND	0.005	0.005	0.00190	0.00130	mg/Kg	38	26	37.5	70-130	20	M

**Enthalpy** 

QCBatchID: QC1173653	Analyst: nhernandez	Method: EPA 8081A
Matrix: Solid	Analyzed: 12/22/2016	Instrument: SVOA-GC (group)

	Sample	Spike A	Amount	Spike I	Result		Reco	veries		Limit	s	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173653MS1, QC1173653MSD1					•		•			Sc	urce:	385747-001
d-BHC	ND	0.005	0.005	0.00210	0.00073	mg/Kg	42	15	96.8	70-130	20	М
Dieldrin	ND	0.005	0.005	0.00190	0.00110	mg/Kg	38	22	53.3	70-130	20	M
Endosulfan I	ND	0.005	0.005	0.00180	0.00120	mg/Kg	36	24	40.0	70-130	20	M
Endosulfan II	ND	0.005	0.005	0.00170	0.00029	mg/Kg	34	6	141.7	70-130	20	M
Endosulfan sulfate	ND	0.005	0.005	0.00170	0.00026	mg/Kg	34	5	146.9	70-130	20	М
Endrin	ND	0.005	0.005	0.00200	0.00120	mg/Kg	40	24	50.0	70-130	20	M
Endrin aldehyde	ND	0.005	0.005	0.00150	0.00029	mg/Kg	30	6	135.2	70-130	20	M
Heptachlor	ND	0.005	0.005	0.00200	0.00170	mg/Kg	40	34	16.2	70-130	20	M
Heptachlor epoxide	ND	0.005	0.005	0.00190	0.00130	mg/Kg	38	26	37.5	70-130	20	M
Lindane (Gamma-BHC)	ND	0.005	0.005	0.00210	0.00160	mg/Kg	42	32	27.0	70-130	20	M
Methoxychlor	ND	0.005	0.005	0.0021	0.0012	mg/Kg	42	24	54.5	70-130	20	M

QCBatchID:QC1173682Analyst:nhernandezMethod:EPA 8081AMatrix:SolidAnalyzed:12/25/2016Instrument:SVOA-GC (group)

	Blar	nk Summary	<b>y</b>			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1173682MB1	•	•	•		•	•
4,4'-DDD	ND	mg/Kg	0.67	5		
4,4'-DDE	ND	mg/Kg	0.57	5		
4,4'-DDT	ND	mg/Kg	0.95	5		
a-BHC	ND	mg/Kg	0.2	5		
Aldrin	ND	mg/Kg	0.34	5		
b-BHC	ND	mg/Kg	1.2	5		
Chlordane (technical)	ND	mg/Kg	12	50		
cis-chlordane	ND	mg/Kg				
d-BHC	ND	mg/Kg	0.45	5		
Dieldrin	ND	mg/Kg	0.63	5		
Endosulfan I	ND	mg/Kg	0.28	5		
Endosulfan II	ND	mg/Kg	0.8	5		
Endosulfan sulfate	ND	mg/Kg	1.7	5		
Endrin	ND	mg/Kg	0.62	5		
Endrin aldehyde	ND	mg/Kg	0.9	5		
Endrin Ketone	ND	mg/Kg	1.2	5		
Heptachlor	ND	mg/Kg	0.44	5		
Heptachlor epoxide	ND	mg/Kg	0.27	5		
Hexachlorobenzene	ND	mg/Kg				
Lindane (Gamma-BHC)	ND	mg/Kg	0.3	5		
Methoxychlor	ND	mg/Kg	5.2	10		
Toxaphene	ND	mg/Kg	12	100		
trans-chlordane	ND	mg/Kg				

L	ab Control Spike/ Lab	Control Spike	Duplica	te Summary			
	Spike Amount	Spike Result		Recoveries	Limi	ts	
Analyte	LCS LCSD	LCS LCSD	Units	LCS LCSD	RPD %Rec	RPD	Notes
QC1173682LCS1		1			,		
4,4'-DDE	0.005	0.004	mg/Kg	80	70-130		
4,4'-DDT	0.005	0.004	mg/Kg	80	70-130		
a-BHC	0.005	0.004	mg/Kg	80	70-130		
Aldrin	0.005	0.004	mg/Kg	80	70-130		
b-BHC	0.005	0.004	mg/Kg	80	70-130		
d-BHC	0.005	0.004	mg/Kg	80	70-130		
Dieldrin	0.005	0.004	mg/Kg	80	70-130		
Endosulfan I	0.005	0.004	mg/Kg	80	70-130		
Endosulfan II	0.005	0.004	mg/Kg	80	70-130		
Endosulfan sulfate	0.005	0.004	mg/Kg	80	70-130		
Endrin	0.005	0.004	mg/Kg	80	70-130		
Endrin aldehyde	0.005	0.004	mg/Kg	80	70-130		
Heptachlor	0.005	0.004	mg/Kg	80	70-130		
Heptachlor epoxide	0.005	0.004	mg/Kg	80	70-130		
Lindane (Gamma-BHC)	0.005	0.004	mg/Kg	80	70-130		
Methoxychlor	0.005	0.004	mg/Kg	80	70-130		

	Ма	trix Spi	ke/Mat	rix Spik	re Dupli	icate Sum	mary					
	Sample	Spike A	Amount	Spike	Result		Reco	veries		Limit	s	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173682MS1, QC1173682MSD1							•			So	urce:	385747-061
4,4'-DDE	0.011	0.005	0.005	0.013	0.018	mg/Kg	40	140	32.3	70-130	20	М
4,4'-DDT	0.006	0.005	0.005	0.009	0.010	mg/Kg	60	80	158.3	70-130	20	M

QCBatchID:QC1173682Analyst:nhernandezMethod:EPA 8081AMatrix:SolidAnalyzed:12/25/2016Instrument:SVOA-GC (group)

	Sample	Spike A	Amount	Spike	Result		Reco	veries		Limit	s	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173682MS1, QC1173682MSD1						•				Sc	ource:	385747-061
a-BHC	ND	0.005	0.005	0.004	0.006	mg/Kg	80	120	40.0	70-130	20	М
Aldrin	ND	0.005	0.005	0.004	0.005	mg/Kg	80	100	22.2	70-130	20	M
b-BHC	ND	0.005	0.005	0.003	0.005	mg/Kg	60	100	50.0	70-130	20	M
d-BHC	ND	0.005	0.005	0.001	0.005	mg/Kg	20	100	133.3	70-130	20	M
Dieldrin	0.001	0.005	0.005	0.003	0.009	mg/Kg	40	160	97.1	70-130	20	M
Endosulfan I	ND	0.005	0.005	0.002	0.004	mg/Kg	40	80	66.7	70-130	20	M
Endosulfan II	ND	0.005	0.005	0.001	0.004	mg/Kg	20	80	85.7	70-130	20	M
Endosulfan sulfate	ND	0.005	0.005	0.000	0.002	mg/Kg	0	40	66.7	70-130	20	M
Endrin	ND	0.005	0.005	0.001	0.005	mg/Kg	20	100	88.9	70-130	20	M
Endrin aldehyde	ND	0.005	0.005	0.001	0.003	mg/Kg	20	60	107.7	70-130	20	M
Heptachlor	ND	0.005	0.005	0.004	0.005	mg/Kg	80	100	22.2	70-130	20	M
Heptachlor epoxide	ND	0.005	0.005	0.002	0.005	mg/Kg	40	100	85.7	70-130	20	M
Lindane (Gamma-BHC)	ND	0.005	0.005	0.004	0.006	mg/Kg	80	120	40.0	70-130	20	M
Methoxychlor	ND	0.005	0.005	0.001	0.006	mg/Kg	20	120	28.6	70-130	20	M

QCBatchID:QC1173756Analyst:dswaffordMethod:EPA 6010BMatrix:SolidAnalyzed:12/28/2016Instrument:AAICP (group)

	Blar	k Summar	/			
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Analyte	Result	Units	MDL	RDL	Notes	
QC1173756MB1						
Antimony	ND	mg/Kg	0.37	3		
Arsenic	ND	mg/Kg	0.36	1		
Barium	ND	mg/Kg	0.23	1		
Beryllium	ND	mg/Kg	0.17	0.5		
Cadmium	ND	mg/Kg	0.21	0.5		
Calcium	ND	mg/Kg	0.94	50		
Chromium	ND	mg/Kg	0.13	1		
Cobalt	ND	mg/Kg	0.19	0.5		
Copper	ND	mg/Kg	0.31	1		
Iron	ND	mg/Kg	0.4	5		
Lead	ND	mg/Kg	0.32	0.5		
Molybdenum	ND	mg/Kg	0.13	1		
Nickel	ND	mg/Kg	0.2	1.5		
Potassium	ND	mg/Kg	3.07	50		
Selenium	ND	mg/Kg	0.72	1		
Silver	ND	mg/Kg	0.13	0.5		
Thallium	ND	mg/Kg	0.42	1		
Vanadium	ND	mg/Kg	0.37	0.5		
Zinc	ND	mg/Kg	0.28	5		

L	ab Control Spike/ La	b Control Spike	Duplica:	te Summary		
	Spike Amount	Spike Result		Recoveries	Limits	
Analyte	LCS LCSD	LCS LCSD	Units	LCS LCSD RI	PD %Rec RPD	Notes
QC1173756LCS1	,	•			1	
Antimony	100	106	mg/Kg	106	80-120	
Arsenic	100	94.1	mg/Kg	94	80-120	
Barium	100	103	mg/Kg	103	80-120	
Beryllium	100	98.7	mg/Kg	99	80-120	
Cadmium	100	102	mg/Kg	102	80-120	
Chromium	100	101	mg/Kg	101	80-120	
Cobalt	100	102	mg/Kg	102	80-120	
Copper	100	97.3	mg/Kg	97	80-120	
Lead	100	99.4	mg/Kg	99	80-120	
Molybdenum	100	93.2	mg/Kg	93	80-120	
Nickel	100	96.1	mg/Kg	96	80-120	
Selenium	100	89.5	mg/Kg	90	80-120	
Silver	100	94.5	mg/Kg	95	80-120	
Thallium	100	113	mg/Kg	113	80-120	
Vanadium	100	99.1	mg/Kg	99	80-120	
Zinc	100	102	mg/Kg	102	80-120	

	Mat	trix Sp	ike/Matı	rix Spik	re Dupli	icate Sun	nmary					
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173756MS1, QC1173756MSD1										Sc	ource:	385775-001
Antimony	ND	100	100	14.6	12.2	mg/Kg	15	12	17.9	75-125	20	M
Arsenic	4.03	100	100	85.5	78.0	mg/Kg	81	74	9.2	75-125	20	M
Barium	90.3	100	100	202	193	mg/Kg	112	103	4.6	75-125	20	
Beryllium	ND	100	100	84.7	77.7	mg/Kg	85	78	8.6	75-125	20	
Cadmium	0.52	100	100	85.6	78.7	mg/Kg	85	78	8.4	75-125	20	
Chromium	13.9	100	100	104	96.8	mg/Kg	90	83	7.2	75-125	20	

QCBatchID: QC1173756	Analyst:	dswaff	ord	M	ethod: E	PA 6010B						
Matrix: Solid	Analyzed:	12/28/2	2016	Instru	ıment: A	AICP (group)	)					
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	s	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173756MS1, QC1173756MSD1										Sc	urce:	385775-001
Cabalt	0.40	400	400	05.4	07.5		0.0	70	0.0	75 405	20	

	Sample	Spike	Amount	Spike	Result		Reco	overies		Limi	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173756MS1, QC1173756MSD1							•			Sc	ource:	385775-001
Cobalt	9.16	100	100	95.1	87.5	mg/Kg	86	78	8.3	75-125	20	
Copper	18.3	100	100	108	103	mg/Kg	90	85	4.7	75-125	20	
Lead	3.16	100	100	82.8	75.0	mg/Kg	80	72	9.9	75-125	20	M
Molybdenum	ND	100	100	76.8	68.8	mg/Kg	77	69	11.0	75-125	20	M
Nickel	11.4	100	100	95.8	87.0	mg/Kg	84	76	9.6	75-125	20	
Selenium	1.35	100	100	80.6	72.4	mg/Kg	79	71	10.7	75-125	20	M
Silver	ND	100	100	76.2	73.8	mg/Kg	76	74	3.2	75-125	20	M
Thallium	ND	100	100	82.0	71.9	mg/Kg	82	72	13.1	75-125	20	M
Vanadium	32.7	100	100	123	114	mg/Kg	90	81	7.6	75-125	20	
Zinc	45.3	100	100	134	124	mg/Kg	89	79	7.8	75-125	20	

QCBatchID:QC1173757Analyst:dswaffordMethod:EPA 6010BMatrix:SolidAnalyzed:12/28/2016Instrument:AAICP (group)

	Blai	nk Summar	/			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1173757MB1	<u> </u>	,				,
Antimony	ND	mg/Kg	0.37	3		
Arsenic	ND	mg/Kg	0.36	1		
Barium	ND	mg/Kg	0.23	1		
Beryllium	ND	mg/Kg	0.17	0.5		
Cadmium	ND	mg/Kg	0.21	0.5		
Chromium	ND	mg/Kg	0.13	1		
Cobalt	ND	mg/Kg	0.19	0.5		
Copper	ND	mg/Kg	0.31	1		
Lead	ND	mg/Kg	0.32	0.5		
Molybdenum	ND	mg/Kg	0.13	1		
Nickel	ND	mg/Kg	0.2	1.5		
Selenium	ND	mg/Kg	0.72	1		
Silver	ND	mg/Kg	0.13	0.5		
Thallium	ND	mg/Kg	0.42	1		
Tin	ND	mg/Kg	0.7	1		
Vanadium	ND	mg/Kg	0.37	0.5		
Zinc	ND	mg/Kg	0.28	5		

Lab Cont	trol Sp	ike/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1173757LCS1										'	
Antimony	100		94.2		mg/Kg	94			80-120		
Arsenic	100		98.3		mg/Kg	98			80-120		
Barium	100		106		mg/Kg	106			80-120		
Beryllium	100		103		mg/Kg	103			80-120		
Cadmium	100		108		mg/Kg	108			80-120		
Chromium	100		106		mg/Kg	106			80-120		
Cobalt	100		108		mg/Kg	108			80-120		
Copper	100		99.6		mg/Kg	100			80-120		
Lead	100		107		mg/Kg	107			80-120		
Molybdenum	100		99.1		mg/Kg	99			80-120		
Nickel	100		103		mg/Kg	103			80-120		
Selenium	100		93.3		mg/Kg	93			80-120		
Silver	100		89.7		mg/Kg	90			80-120		
Thallium	100		116		mg/Kg	116			80-120		
Vanadium	100		103		mg/Kg	103			80-120		
Zinc	100		98.2		mg/Kg	98			80-120		

	Matrix Spike/Matrix Spike Duplicate Summary													
	Sample	Spike /	Amount	Spike	Result		Reco	veries		Limit	s			
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes		
QC1173757MS1, QC1173757MSD1						•	•			Sc	urce:	385693-001		
Antimony	ND	100	100	27.4	26.6	mg/Kg	27	27	3.0	75-125	20	М		
Arsenic	3.23	100	100	80.2	83.6	mg/Kg	77	80	4.2	75-125	20			
Barium	77.6	100	100	163	155	mg/Kg	85	77	5.0	75-125	20			
Beryllium	ND	100	100	80.8	82.2	mg/Kg	81	82	1.7	75-125	20			
Cadmium	0.69	100	100	80.7	78.2	mg/Kg	80	78	3.1	75-125	20			
Chromium	22.6	100	100	103	98.9	mg/Kg	80	76	4.1	75-125	20			
Cobalt	5.27	100	100	83.8	81.2	mg/Kg	79	76	3.2	75-125	20			
Copper	56.6	100	100	123	130	mg/Kg	66	73	5.5	75-125	20	M		

**Enthalpy** 

QCBatchID: QC1173757	Analyst:	dswaff	ord	М	ethod: E	EPA 6010B						
Matrix: Solid	Analyzed:	12/28/2	2016	Instru	ıment: A	AAICP (group)						
	Sample	Spike	Amount	Spike	Result		Reco	overies		Limi	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173757MS1, QC1173757MSD1									!	Sc	ource:	385693-001
Lead	41.9	100	100	107	122	mg/Kg	65	80	13.1	75-125	20	М
Molybdenum	0.34	100	100	73.7	76.2	mg/Kg	73	76	3.3	75-125	20	M
Nickel	16.4	100	100	91.0	95.2	mg/Kg	75	79	4.5	75-125	20	M
Selenium	ND	100	100	73.3	76.3	mg/Kg	73	76	4.0	75-125	20	M
Silver	ND	100	100	71.4	69.0	mg/Kg	71	69	3.4	75-125	20	M
Thallium	0.57	100	100	77.4	79.8	mg/Kg	77	79	3.1	75-125	20	
Vanadium	16.9	100	100	98.9	95.9	mg/Kg	82	79	3.1	75-125	20	
Zinc	158	100	100	206	214	mg/Kg	48	56	3.8	75-125	20	M

QCBatchID: QC1173758	Analyst: dswafford	Method: EPA 6010B	
Matrix: Solid	<b>Analyzed:</b> 12/28/2016	Instrument: AAICP (group)	

	Blar	nk Summary	<u>'</u>									
Blank												
Analyte	Result	Units	MDL	RDL	Notes							
QC1173758MB1				•								
Lead	ND	mg/Kg	0.32	0.5								

Lab Con	trol Sp	ike/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1173758LCS1	•			•		,	,		•	•	
Lead	100		105		mg/Kg	105			80-120		

Matrix Spike/Matrix Spike Duplicate Summary													
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	ts		
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes	
QC1173758MS1, QC1173758MSD1										Sc	ource:	385747-064	
Lead	27.9	100	100	102	115	mg/Kg				75-125	20		

QCBatchID: QC1173863	Analyst: dswafford	Method: EPA 6020	
Matrix: Solid	Analyzed: 12/30/2016	Instrument: AAICP (group)	

	Blar	nk Summary	<u>'</u>									
Blank												
Analyte	Result	Units	MDL	RDL	Notes							
QC1173863MB1												
Arsenic	ND	mg/Kg	0.02	0.3								

	Lab Control Spike/ Lab Control Spike Duplicate Summary													
	Spik	e Amount	Spike	Result		Reco	veries		Limi	ts				
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes			
QC1173863LCS1	•		•							•				
Arsenic	50		53.6		mg/Kg	107			80-120					

	Matrix Spike/Matrix Spike Duplicate Summary													
Sample Spike Amount Spike Result Recoveries Limits														
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes		
QC1173863MS1, QC1173863MSD1										Sc	ource:	385747-010		
Arsenic	6.25	50	50	50.7	53.4	mg/Kg	89	94	5.2	75-125	20			

QCBatchID: QC1174165 Analyst: kedy Method: EPA 6010B Matrix: Solid **Analyzed:** 01/09/2017 Instrument: AAICP (group)

	Blar	nk Summary	/									
Blank												
Analyte	Result	Units	MDL	RDL	Notes							
QC1174165MB1				•								
Chromium	ND	mg/L	0.006	0.03								
Lead	ND	mg/L	0.012	0.015								

	Matrix Spike/Matrix Spike Duplicate Summary													
Sample Spike Amount Spike Result Recoveries Limits														
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes		
QC1174165MS1, QC1174165MSD1										Sc	ource:	385727-001		
Chromium	ND	10	10	9.75	10.0	mg/L	97	100	2.5	75-125	20			
Lead	ND	10	10	9.36	9.47	mg/L	93	94	1.2	75-125	20			

 QCBatchID:
 QC1174305
 Analyst:
 dswafford
 Method:
 EPA 6010B

 Matrix:
 Solid
 Analyzed:
 01/13/2017
 Instrument:
 AAICP (group)

	Blank	k Summary	/			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1174305MB1						
Antimony	ND	mg/Kg	0.37	3		
Arsenic	ND	mg/Kg	0.36	1		
Barium	ND	mg/Kg	0.23	1		
Beryllium	ND	mg/Kg	0.17	0.5		
Cadmium	ND	mg/Kg	0.21	0.5		
Chromium	ND	mg/Kg	0.13	1		
Cobalt	ND	mg/Kg	0.19	0.5		
Copper	ND	mg/Kg	0.31	1		
Lead	0.35 J	mg/Kg	0.32	0.5		
Molybdenum	ND	mg/Kg	0.13	1		
Nickel	ND	mg/Kg	0.2	1.5		
Selenium	ND	mg/Kg	0.72	1		
Silver	ND	mg/Kg	0.13	0.5		
Thallium	ND	mg/Kg	0.42	1		
Vanadium	ND	mg/Kg	0.37	0.5		
Zinc	ND	mg/Kg	0.28	5		

Lab Co	ntrol Sp	ike/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1174305LCS1				•		•		•		•	
Antimony	100		103		mg/Kg	103			80-120		
Arsenic	100		95.6		mg/Kg	96			80-120		
Barium	100		103		mg/Kg	103			80-120		
Beryllium	100		96.8		mg/Kg	97			80-120		
Cadmium	100		103		mg/Kg	103			80-120		
Chromium	100		98.7		mg/Kg	99			80-120		
Cobalt	100		99.3		mg/Kg	99			80-120		
Copper	100		96.5		mg/Kg	97			80-120		
Lead	100		98.4		mg/Kg	98			80-120		
Molybdenum	100		96.1		mg/Kg	96			80-120		
Nickel	100		100		mg/Kg	100			80-120		
Selenium	100		91.7		mg/Kg	92			80-120		
Silver	100		93.0		mg/Kg	93			80-120		
Thallium	100		101		mg/Kg	101			80-120		
Vanadium	100		99.8		mg/Kg	100			80-120		
Zinc	100		98.1		mg/Kg	98			80-120		

	Mat	trix Sp	ike/Matı	rix Spik	re Dupli	icate Sum	mary					
	Sample	Spike	Amount	Spike	Result		Reco	overies		Limit	s	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1174305MS1, QC1174305MSD1							•		•	Sc	urce:	385747-035
Antimony	ND	100	100	28.3	29.9	mg/Kg	28	30	5.5	75-125	20	М
Arsenic	11.6	100	100	103	106	mg/Kg	91	94	2.9	75-125	20	
Barium	130	100	100	226	227	mg/Kg	96	97	0.4	75-125	20	
Beryllium	ND	100	100	90.0	93.0	mg/Kg	90	93	3.3	75-125	20	
Cadmium	0.55	100	100	97.7	101	mg/Kg	97	100	3.3	75-125	20	
Chromium	17.0	100	100	110	113	mg/Kg	93	96	2.7	75-125	20	
Cobalt	11.2	100	100	102	102	mg/Kg	91	91	0.0	75-125	20	
Copper	20.0	100	100	113	116	mg/Kg	93	96	2.6	75-125	20	
Lead	8.20	100	100	97.8	99.8	mg/Kg	90	92	2.0	75-125	20	

Enthalpy

Matrix: Solid	Analyzed:	01/13/2	2017	Instru	ıment: A	AICP (group)						
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1174305MS1, QC1174305MSD1										Sc	ource:	385747-035
Molybdenum	ND	100	100	89.4	90.2	mg/Kg	89	90	0.9	75-125	20	
Nickel	11.6	100	100	103	103	mg/Kg	91	91	0.0	75-125	20	
Selenium	ND	100	100	69.8	67.2	mg/Kg	70	67	3.8	75-125	20	M
Silver	0.18	100	100	86.6	90.1	mg/Kg	86	90	4.0	75-125	20	
Thallium	ND	100	100	88.6	88.1	mg/Kg	89	88	0.6	75-125	20	
Vanadium	35.1	100	100	130	135	mg/Kg	95	100	3.8	75-125	20	
Zinc	52.8	100	100	146	149	mg/Kg	93	96	2.0	75-125	20	

Method: EPA 6010B

Analyst: dswafford

QCBatchID: QC1174305

### **Data Qualifiers and Definitions**

### **Qualifiers**

A See Report Comments.

**B** Analyte was present in an associated method blank.

**B1** Analyte was present in a sample and associated method blank greater than MDL but less than RDL.

**BQ1** No valid test replicates. Sample Toxicity is possible. Best result was reported.

BQ2 No valid test replicates.

**BQ3** No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.

**C** Possible laboratory contamination.

**D** RPD was not within control limits. The sample data was reported without further clarification.

**D1** Lesser amount of sample was used due to insufficient amount of sample supplied.

D2 Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting

limit.

**DW** Sample result is calculated on a dry weigh basis.

E Concentration is estimated because it exceeds the quantification limits of the method.

The sample was read outside of the method required incubation period.

J Reported value is estimated

L The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits.

Associated sample data was reported with qualifier.

M The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The

associated LCS and/or LCSD was within control limits and the sample data was reported without further

clarification.

M1 The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.

M2 The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or

LCSD was not within control limits. Sample result is estimated.

N1 Sample chromatography does not match the specified TPH standard pattern.

NC The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery

and limits do not apply.

P Sample was received without proper preservation according to EPA guidelines.

P1 Temperature of sample storage refrigerator was out of acceptance limits.

P2 The sample was preserved within 24 hours of collection in accordance with EPA 218.6.

Q1 Analyte Calibration Verification exceeds criteria. The result is estimated.

Q2 Analyte calibration was not verified and the result was estimated.

Q3 Analyte initial calibration was not available or exceeds criteria. The result was estimated.

**S** The surrogate recovery was out of control limits due to matrix interference. The associated method blank

surrogate recovery was within control limits and the sample data was reported without further clarification.

**S1** The associated surrogate recovery was out of control limits; result is estimated.

S2 The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds.

Surrogate recoveries in the associated batch QC met recovery criteria.

\$3 Internal Standard did not meet recovery limits. Analyte concentration is estimated.

T Sample was extracted/analyzed past the holding time.

T1 Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).

T2 Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.

T3 Sample received and analyzed out of hold time per client's request.

T4 Sample was analyzed out of hold time per client's request.

T5 Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.

**T6** Hold time is indeterminable due to unspecified sampling time.

T7 Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

### **Definitions**

**DF** Dilution Factor

MDL Method Detection Limit. Result is reported ND when it is less than or equal to MDL.

ND Analyte was not detected or was less than the detection limit.

NR Not Reported. See Report Comments.

RDL Reporting Detection Limit

TIC Tentatively Identified Compounds

Turn Around Time (Rush by advanced notice only)	эу: 3 Day:	зу: Same Day:	0 0 1	ITINES: $I = Na_2 >_2 O_3$ $Z = HCI$ $S = HNO_3$ $4 = H_2 SO_4$ $S = NaOH$ $6 = Other$		Test Instructions / Comments				-	Analyze U.5 samples. Hold deeper samples.								i de Malarina						Date / Time
Time (	4 Day:	1 Day:	•	Preservatives: 4 = H <sub>2</sub> S										ЫоН		×	×	hdam/máiris G	×	×		×	×		
puno	×		í	7 0		st		···	/																tle
rn Ar	ļ	<u> </u>				Reque			(A	LZVZ,	/801	09) \$		PCBs (808											y / Ti
ΙT	Standard:	2 Day:		Jid /ater	ther	Analysis Request	220	TAO	110/12	sain'	2 <b>R</b> q2			Pet Hydri VOCs (82											Company / Title
	អ	7	Water	Solid L = Liquid SeaW = Sea Water	0 = Other	Ą	725							Organoch	×			×			×				ဒ
þ		∞	inking	olid   SeaW =	WP = Wipe							(		Lead (60:	×			×			×				and the second
Recoi	4	of	DW = Drinking Water	FS = Food Solid	WP								(au)	Pres.			~~~~				Ŷ				
Chain of Custody Record	るななな	1 0		FL = Food Liquid FS = PP = Pure Product S = S	>	MATION				St.	4 91335			Container No. / Size	80z	802	208	802	802	80z	80z	802	80z		Print Name
3	Lab No:	Page:		H H	- SW	PROJECT INFORMATION	Grant HS		27016	13000 Oxnard St.	Los Angeles, CA 91335		Baysa	Matrix	s	s	s	s	S	s	S	S	S	5	Prir
				( a ),	Agences supplies a property property of the supplies of the su	PROJE	Name: Gra	Number:	P.O. #: 27	Address: 13		Global ID:	Sampled By: D.	Sampling Time	2:45 PM	2:50 PM	2:55 PM	12:43 PM	12:50 PM	12:55 PM	1:15 PM	1:20 PM	1:25 PM		
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ENTHALPHY ANALYTICAL, INC.	806 N. Batavia St., Orange, CA 92868	771-6900 Fax: (714)771-9933	SoCal	c/o Montrose Environmental Group	1 Park Plaza, Suite 1000, Irvine, CA 92614	CUSTOMER INFORMATION	CES Group	Skye Green	sgreen@cesgroup.co	33353 Temecula Pkwy, Suite 104#333	Temecula, CA 92592	714-398-6363	951-848-9812	Sample ID											is
ENTHALF	806 N. Ba	Phone: (714) 771-6900	Billing: Enthalpy - SoCal	) Montrose Env	ark Plaza, Suit	CC	Company:	Report To:	Email:	Address:		Phone:			534-0.5′	S34-1.5 <sup>1</sup>	534-2.5'	535-0.5'	535-1.5'	535-2.5'	536-0.5'	536-1.5'	536-2.5'	(	
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CES Group/ Field Supervisor

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ENTHAL	ENTHALPHY ANALYTICAL, INC.				Chain of Custody Record	ody Reco	ord		Turn/	round	Time	(Rush by adva	Turn Around Time (Rush by advanced notice only)	
806 N. Be	806 N. Batavia St., Orange, CA 92868			Lab No:	0: 5857	44		Sta	Standard:	×	4	4 Day:	3 Day:	
Phone: (714) 771-6900	771-6900 Fax: (714)771-9933			Page:	2	of	∞	2 Day:	ay:		1.	1 Day:	Same Day:	
Billing: Enthalpy - SoCal	- SoCal	Ī		<u> </u>	Matrix: A = Air	ı		Water						
c/o Montrose En	c/o Montrose Environmental Group	2 c c	analytical, inc		FL = Food Liquid PP = Pure Product	FS = Food Solid S = Solid SeaW		L = Liquid = Sea Wat	d ter	5	Preservatives: 4 = H <sub>2</sub> S	atives: $1 = Na_2 S_2 O_3$ $4 = H_2 SO_4$ $5 = NaOH$	3 2=HCl 3=HNO3 H 6=Other	tasam <sub>ing</sub> ana
1 Park Plaza, Suit	1 Park Plaza, Suite 1000, Irvine, CA 92614			S	SW = Swab W = Water WP = Wipe	Vater WP	= Wipe	0 = Other	her				ı i	
J	CUSTOMER INFORMATION		PR	PROJECT INF	INFORMATION			Ana	Analysis Request	rest		Test Instr	Test Instructions / Comments	
Company:	CES Group		Name:	Grant HS				225	<del></del>					desiración
Report To:	Skye Green		Number:				·		2					
Email:	sgreen@cesgroup.co		P.O.#:	27016						(∀1				
Address:	33353 Temecula Pkwy , Suite 104#333	14#333	Address:	18605 Erwin St.	n St.					[/\\		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ronged blott	
	Temecula, CA 92592			Tarzana, CA 91335	4 91335					/10B		Analyze 0.3	samples. not deep	<del></del>
Phone:	714-398-6363		Global ID:				(			)9) s				
Fax:	951-848-9812		Sampled By:	D. Baysa					(809)	Metal				
	Sample ID	Sampling	ÿ	3 Matrix		Pres.	d (60)	anoc Bydr	Cs (82 08) se	6 22 I	PI			<del>,</del>
		Date	Time		No. / Size				NΟ	ıl±i†	IoH			
1   S37-0.5		12/21/16	5 2:30 PM	S	802		×	×						
2 537-1.5'		12/21/16	2:35 PM	S	80z						×			
3 537-2.5		12/21/16	2:40 PM	S	zo8						×			
4   538-0.5'		12/21/16	1:15 PM	S	zo8		×	×						
5   538-1.5		12/21/16	; 1:25 PM	S	802						×			
6 S38-2.5		12/21/16	1:30 PM	S 1	802						×			
7   539-0.5		12/21/16	2:25 PM	S	802		×	×						
8 539-1.5		12/21/16	5 2:30 PM	5	8oz						*			
9 539-2.5		12/21/16	5 2:35 PM	S	80z						×			
10				S									Michiga physical mach a started in the past contract of the side	
	Sig	Signature			Print Name			Cor	Company /	Title			Date / Time	
<sup>1</sup> Relinquished By:	d By:   MYZU				Danny Baysa		CES	Grou	CES Group/ Field Supervisor	Supervi	Sor			
<sup>1</sup> Received By:	100 I :	M		A	spear i		OES		62000			12-23	22-16/0610	
<sup>2</sup> Relinquished By:	d By:	V	$\bigcirc$	Ą	Lubram		S) 10	6	GRON	8		12.22	-16 ff 120g	
<sup>2</sup> Received By:	manuscript of the second	are the defended forester to be a participate date.		1.1870	a son a feet front		***************************************					11/25/16	· · · · · · · · · · · · · · · · · · ·	
<sup>3</sup> Relinquished By:	d By:			L. Ware				١				12/22/16	5521	
<sup>3</sup> Received By:	100/	Jan Jan		t stan	F.		00	F. F.				31/22/21	1253	

ENTHAL	ENTHALPHY ANALYTICAL, INC.		av dr.		Chain of Custody Record	ody Reco	P.		Turn	Arounc	Time	Turn Around Time (Rush by advanced notice only)	ranced notic	e only)
806 N. Ba	806 N. Batavia St., Orange, CA 92868			Lab No:	18 O	7		St	Standard:	×	4	4 Day:	3 Day:	
Phone: (714) 771-6900	771-6900 Fax: (714)771-9933	<u></u>		Page:	က	of	8	2	2 Day:			1 Day:	Same Day:	
Billing: Enthalpy - SoCal	SoCal		ENTHALPY		Matrix: A=Air FL = Food Liquid F9	ir DW = Drinking Water FS = Food Solid L = Liqu	CÚ.	Water L = Liquid	þi	<u>.</u>	Preservatives:	tives: $1 = \text{Na}_2 \text{S}_2 \text{O}_3$	2 = HCl	3 = HNO <sub>3</sub>
c/o Montrose En 1 Park Plaza, Suit	c/o infortrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	- C	ytical, inc		PP = Pure Product S = S SW = Swab W = Water	.7	olid SeaW = Sea Water WP = Wipe O = Other	Sea Water 0 = Other	ater ther		,	$4 = H_2 SO_4 5 = NaOH$	OH 6 = Other	•
70	CUSTOMER INFORMATION		PRC	PROJECT INFO	INFORMATION			A	Analysis Request	uest		Test In:	Test Instructions / Comments	mments
Company:	CES Group		Name:	Grant HS			- Arim	335						
Report To:	Skye Green		Number:		-		<del>encompart o</del>		7.00					
Email:	sgreen@cesgroup.co		P.O.#:	27016						(A.				
Address:	33353 Temecula Pkwy, Suite 104#333		Address:	13000 Oxnard St.	rd St.					T				) ( ) ( ) ( )
	Temecula, CA 92592			Los Angeles,	eles, CA 91335					108		Analyze U	Analyze U.S samples. Hold desper samples.	old deeper
Phone:	714-398-6363		Global ID:			work Tr	(			)9) s	- Andrew Vertebra			
Fax:	951-848-9812		Sampled By:	D. Baysa					(809)	Metal				
	Sample ID	Sampling Date	Sampling	Matrix	Container No. / Size	Pres.	Oa) bas rsenic (	)rganoc	'еt Нуdr /ОСs (82	1 SS 9lji		plo+		
1 540-0.5'		12/21/16	2:35 PM	S	802		╀	<del> </del>	\ <u></u>	-				
2 \$40-1.5	The state of the s	12/21/16	2:40 PM	S	80z							×		
3 S40-2,5		12/21/16	3:45 PM	S	208							×		
4   \$41-0.5		12/21/16	1:55 PM	S	80z		×	×						
5 S41-1.5'		12/21/16	5 2:00 PM	\$	80z		-			-		×		
6 541-2.5'		12/21/16	2:05 PM	S	802							×		
7 \$42-0.5		12/21/16	3 2:15 PM	S	80z		×	×						
8 542-1.5		12/21/16	5 2:20 PM	S	80z							×		
9 \$42-2.5		12/21/16	3 2:25 PM	S	802						$\downarrow$	×		
10				S						2000 State Control of the Control of		oneen pandet 1990 ESPANSESS TERRETES ESTATE SHEETS	meteorial service summer supplemental services in	SCHILLES AND CONTRACTOR OF THE SECOND CONTRACT
		Signature		Ь	Print Name			8	Company /	/Title	WAY MADDING TO THE		Date / Time	
<sup>1</sup> Relinquished By:	J By:	Sau Sh	1	D	Danny Baysa		3	S Gro	CES Group/ Field Supervisor	Supen	risor			
<sup>1</sup> Received By				T	Lobozai		ઇ	8	RES GROUP			2-2)	22-16 (	0/2/0
<sup>2</sup> Relinquished By:	J By:		}	Ţ	Z Propri		Ð	SS	6402	9		12.22	1/3/-	209
<sup>2</sup> Received By:	Company of Security			Marcol								12/21/10	7.7	2007
<sup>3</sup> Relinquished By:	I By:	A CONTRACTOR OF THE PARTY OF TH	i									12/24/2	57	200
<sup>3</sup> Received By:	:	Zo J	edingle graph and the second of the second or the second o	シャン	`			E E				1   22   21	(22)	٥

ENTHAL	ENTHALPHY ANALYTICAL, INC.				Chair	Chain of Custody Record	dy Reco	D.		Turn	Aroun	d Tim	(Rush by ad	Turn Around Time (Rush by advanced notice only)	_
806 N. B	806 N. Batavia St., Orange, CA 92868			Lab	No:	1285.727	7		, <del>t</del> ž	Standard:	×		4 Day:	З Day:	
Phone: (714) 771-6900	771-6900 Fax: (714)771-9933	33		Pag	.;; 	4	of	∞	2	2 Day:		17	1 Day:	Same Day:	
Billing: Enthalpy - SoCal	- SoCal				Matrix:	A = Ai	r DW = Drinking Water FS = Food Solid   = Ligh	۳.	Water  = Liquid	· P!		Preservatives:	tives: $1 = \text{Na}_3 \text{S}_3$	,0 <sub>3</sub> 2=HCl 3=HNO <sub>3</sub>	<u>.</u>
c/o Montrose Er	c/o Montrose Environmental Group		lytical, inc.		PP = Pure PI	roduct W = W	olid WP	<u>a</u>	Sea Water O = Other	ater ther				6 = Other	)
L raik riaza, sui	CUSTOMER INFORMATION		jd	PROJECT II	lフ	TION		3	Ā	Analysis Request	luest	observed to a group possible	Test In	Test Instructions / Comments	5
Company:	CES Group		Name:	Grant HS	S				33						
Report To:	Skye Green		Number:										<u></u>		
Email:	sgreen@cesgroup.co		P.O.#:	27016							(A.				
Address:	33353 Temecula Pkwy , Suite 104#333	104#333	Address:	18605 Erwin St.	rwin St.						TZbZ,	)			į
	Temecula, CA 92592			Tarzana,	, CA 91335						108		Analyze u	Analyze u.5 sampies. Hold deeper samples.	- DG
Phone:	714-398-6363		Global ID:					<del></del>			09) s				
Fax:	951-848-9812		Sampled By:	D. Baysa						(809)					
	GI classes	Sampling	g Sampling		Matrix	Container	Pres	(60) b	anoch	nbyH 28) 23 (80) 24	72 N		0		
		Date	Time			No. / Size				000			ПОН		
1  544-0.5		12/21/16	6 11:34 AM	Σ.	5	802		×	×						
2 S44-1.5'		12/21/16	6 11:37 AM		2	80z							×		
3 . \$44-2.5'		12/21/16	6 11:40 AM		S	8oz		_					×		
4 S45-0.5'		12/21/16	6 11:20 AM		S	8oz		×	×					‡	
5 \$45-1.5'		12/21/16	6 11:25 AM	M	S	802	·						×		
6 545-2.5'		12/21/16	6 11:30 AM		S	802							×		
7 547-0.5'		12/21/16	6 11:13 AM		S	8oz		×	×						
8 S47-1.5'		12/21/16	6 11:17 AM		S	80z							×		
9 547-2.5'		12/21/16	6 11;21 AM		S	802							×		
10					S									MINISTER OF THE TREE SECTIONS AND THE SECTION AND THE TREE SECTIONS AND THE SECTION AN	STATE OF THE PARTY
		Signature			Print Name	lame			೦	Company /	Title			Date / Time	
$^{\mathrm{1}}$ Relinquished By:	1 By: ∭		1		Danny Baysa	Baysa		Ĕ	Gro	CES Group/ Field Supervisor	Super	visor			
$^1$ Received By:		2	M	¥	7	Oran i			(ES	CROCIO	9	And the second second	(2-22	2-16 060	ann an Alban an Bagan an
<sup>2</sup> Relinquished By:	1 By:			7		2 Gar.		વ	ØS	GROUD	3		12-23	2-16 11209	(9)
<sup>2</sup> Received By:	and Comme	Parkers benedicting and experience of the second se		6. 12	Person						-	-	12/62/1	1. 1867 v	
<sup>3</sup> Relinquished By:	J By:	7		C. 18	Rore le	+			ŀ				12727	u	
3 Received By:	: Ta	ln	\	ان 5	₩.)×				F3	<b>\</b>		***************************************	1/22/21	(253	dimension district

Z	ENTHALPHY ANALYTICAL, INC.	<u>ن</u>			Chain of Custody Record	ody Recc	ord		Turn Ar	ound Ti	me (R	ush by advan	Turn Around Time (Rush by advanced notice only)	
806 N. I	806 N. Batavia St., Orange, CA 92868	· \		Lab No:	0: 285747	44		Standard:	ard:	×	4 Day:		3 Day:	
Phone: (71₄	Phone: (714) 771-6900 Fax: (714)771-9933	9933		Page:	5	of	8	2 Day:	****		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	/-SoCal		) <sup>1</sup> .			ļ .	DW = Drinking Water	/ater						
c/o Montrose E	c/o Montrose Environmental Group	ana yti	ytical, inc.		FL = Food Liquid PP = Pure Product	FS = Food S = Solid	= Food Solid L = Liquid Solid SeaW = Sea Water	= Liquid ea Water		Prese	Preservatives: 4 = H.S	atives: $1 = Na_2 S_2 O_3$ $4 = H.SO_4 S = NaOH$	$2 = HCl  3 = HNO_3$ 6 = Other	, E
1 Park Piaza, Su	1 Park Plaza, Suite 1000, Irvine, CA 92614			ıs	SW = Swab W = Water	W	= Wipe	0 = Other					1	
J	CUSTOMER INFORMATION	NO	PR	PROJECT INF	INFORMATION			Analy	Analysis Request	st		Test Instru	Test Instructions / Comments	S
Company:	CES Group		Name:	Grant HS				၁၁၄						
Report To:	Skye Green	: :	Number:											
Email:	sgreen@cesgroup.co		P.O.#:	27016						(5-7-				
Address:	33353 Temecula Pkwy , Suite 104#333	ite 104#333	Address:	13000 Oxna	Oxnard St.		-, [		· L · L	r / <del></del> - /		- -	-	
	Temecula, CA 92592			Los Angeles,	, CA 91335				7 00 1	/ant	***************************************	Analyze 0.5' samples. samples.	sampies. Hoid deeper samples.	ber
Phone:	714-398-6363		Global ID:					e uoc		00) 51				
Fax:	951-848-9812		Sampled By:	D. Baysa			9050	ocsu	(A18	AIGCO				
	Sample ID	Sampling Date	Sampling	Matrix	Container No. / Size	Pres.	Lead (60) Arsenic (	Organoc Pet Hydr	VOCs (82	Title 22 I	рјон			
1 S48-0.5'		12/21/16	5 10:45 AM	S	802		×	×						
2 \$48-1.5		12/21/16	5 10:50 AM	S	80z						×			
3 548-2.5'		12/21/16	5 11:00 AM	S	80z						×			
4 \$49-0.5		12/21/16	5 11:00 AM	S	zo8		×	×						
5 549-1.5'		12/21/16	3 11:05 AM	S	zo8						×			
6 \$49-2.5		12/21/16	3 11:10 AM	S	zo8						×			
7 S50/SG4-0.5	.5-	12/21/16	3 1:55 PM	S	802		×	×						
8 S50/SG4-1.5	.2	12/21/16	5 2:00 PM	S	goz						×			
9   \$50/\$64-2.5	.51	12/21/16	5 2:05 PM	S	802					1	×			
10				\$			0.0000000000000000000000000000000000000			Mark the second assumption		Self-Web Assessed to Self-Web Assessed to Self-	WASTERN THE THE TRANSPORT OF THE TRANSPO	Monway work
		Signature		ď	Print Name			Comp	Company / Title	itle		Da	Date / Time	
<sup>1</sup> Relinquished By:	td By:	Simils -	•	D	Danny Baysa		CES	Group/	Field St	CES Group/ Field Supervisor	<u>_</u>		,	
<sup>1</sup> Received By:	), i	ググ		T V	Lobray i			ES 60	group	The Control of the Co		12-22-	-16 / 0610	
<sup>2</sup> Relinquished By:	id By:			Ţ	Lubrani		(2)	65 B	GAGA	0		12-22-7	16 11208	
<sup>2</sup> Received By:	y:	er in the second se	The state of the s	6.12	iona let							11/22/21	1203	
<sup>3</sup> Relinquished By:	d By:			R. M. Can	5							12/22/16	1253	
<sup>3</sup> Received By:	y:	1		1. 2/a	<b>なっ</b> と			الله ريان				12/22/21	(253	

ENTHA	ENTHALPHY ANALYTICAL, INC.				Chain of Custody Record	dy Reco	prd		Turn /	round	Time	Turn Around Time (Rush by advanced notice only)	nced notice on	V
806 N.	806 N. Batavia St., Orange, CA 92868			Lab No:	" 25 %	7		Star	Standard:	×	4 [	4 Day:	3 Day:	
Phone: (71	Phone: (714) 771-6900 Fax: (714)771-9933	<u></u>		Page:	9	of	∞	2 Day:	ay:		1.0	1 Day:	Same Day:	
Billing: Enthalpy - SoCal	y - SoCal			<u></u>	Matrix: A=Air	ا پ		y Water	_	ard	Drace matives:	ives: 1 = Na.S.O.	7=HCl 3=HNO.	ć
c/o Montrose E	c/o Montrose Environmental Group	7 R	analytical, inc.		FL = F000 Liquid F3 = F000 S0110 PP = Pure Product S = Solid SeaW = SW = Swash W = Water WP = Wine	rs = roou S = Solid ater WP	SeaW = 	SeaW = Sea Water = Wine O = Other	ter	2	4	0,4	6 = Other	ĵ. )
) (2701) T	CUSTOMER INFORMATION		PR(	PROJECT INFO	INFORMATION			Ana	Analysis Request	Jest	(American)	Test Instr	Test Instructions / Comments	its
Company:	CES Group		Name:					23			$\vdash$			
Report To:	Skye Green		Number:							····				
Email:	sgreen@cesgroup.co		P.O.#:	27016						(A.				
Address:	33353 Temecula Pkwy , Suite 104#333	104#333	Address:	18605 Erwin St.	St.					[LtL		-	:	
	Temecula, CA 92592			Tarzana, CA 91335	91335					10B\		Analyze 0.5' samples.	samples. Hold deeper samples.	eper
Phone:	714-398-6363		Global ID:			ı	(			09) s		******		
Fax:	951-848-9812		Sampled By:	D. Baysa						letaN				
	Sample ID	Sampling Date	Sampling	Matrix	Container No. / Size	Pres.	.ead (60:	organocl	/OCs (82	Title 22 N	bloh			
1   \$51-0.5		12/21/16	5 3:45 PM	s	802		-	₩	+-					
2   \$51-1.5'		12/21/16	5 3:50 PM	s	208						×			
3 551-2.5		12/21/16	5 3:55 PM	S	80z					-	×			
4   \$53-0.5		12/21/16	5 3:40 PM	S	80z		×	×						
5 \$53-1.5		12/21/16	3:50 PM	S	80z						×			
6 \$53-2.5		12/21/16	3:55 PM	S	80z						×			
7 554-0.5'		12/21/16	5 4:00 PM	S	208		×	×						
8 554-1.5'		12/21/16	5 4:05 PM	S	802						×			
9 S54-2.5'		12/21/16	5 4:10 PM	S	80z						×		مسيعم إمسار وإرب ويشور وال	
10				S		La LONGI M						27.0	The property of the second sec	
		Signature		Р	Print Name			Con	Company /	Title			Date / Time	Organization of the Control of the C
<sup>1</sup> Relinquished By:	ed By:	RIME		D	Danny Baysa		Ë	Group	CES Group/ Field Supervisor	Supervi	sor			
<sup>1</sup> Received By	γ:			JQ.	Lubrani		9	58	GROUP	20		12-23	16 6660	õ
<sup>2</sup> Relinquished By:	ed By:	B		The state of the s	he bran,		9	FS	é	6200	a	-22-21	-16/120	08
<sup>2</sup> Received By:	i.A.	Control of the second s		C. What	+							12/22/16	1209	
<sup>3</sup> Relinquished By:	ed By:	***************************************		N 810"	18 ti			,				722/	1253	
<sup>3</sup> Received By:	1y:   16.1	Men		5 / '	5			アカ				11/22/21	(253	

ENTHAL	ENTHALPHY ANALYTICAL, INC.			98	Chain of Custody Record	dy Reco	ਤੁ		Turn	Aroun	d Tim	e (Rush	Turn Around Time (Rush by advanced notice only)	ed notice	only)
806 N. B	806 N. Batavia St., Orange, CA 92868			Lab No:	1000 "	+1+		S	Standard:	×		4 Day:	<u>m</u>	3 Day:	a Lagrangia Lagrangia
Phone: (714) 771-6900	771-6900 Fax: (714)771-9933			Page:	7	of	80	2	2 Day:		1	1 Day:	Sa	Same Day:	
Billing: Enthalpy - SoCal	- Socal					r DW = Drinking Water	I 🐃	Wate							
c/o Montrose En	c/o Montrose Environmental Group		HALY ytical, inc.	·········	FL = Food Liquid PP = Pure Product	FS = Food Solid S = Solid SeaW	-	L = Liquid = Sea Wat	uid Vater	Ω <sub>0</sub>	Preservatives: 4 = H <sub>2</sub> S	itives: $1$ $4 = H_2SO_4$	= $Na_2S_2O_3$ 5 = $NaOH$	2 = HCl 3 = 6 = Other	3 = HNO <sub>3</sub>
1 Park Plaza, Suit	1 Park Plaza, Suite 1000, Irvine, CA 92614			v.S	I	ster WP=	: Wipe		0 = Other						
บ	CUSTOMER INFORMATION		PR(	JECT INFO	PROJECT INFORMATION			ď	Analysis Request	quest			Test Instructions / Comments	ions / Comr	nents
Company:	CES Group		Name:	Grant HS					225						
Report To:	Skye Green		Number:	:				(٤	TOS			-Ferrell Privilenter			
Email:	sgreen@cesgroup.co		P.O.#:	27016				11808	lloʻlə	(A.		<del></del>			
Address:	33353 Temecula Pkwy , Suite 104#333		Address:	13000 Oxnard St	rd St.			3) səl	səıp'	[ <b>/</b> t/				:	
	Temecula, CA 92592		:	Los Angeles, CA 91335	CA 91335			sticic	se8 s	70B\		<del></del> -	Analyze 0.5' samples. Hold deeper samples.	samples. Hold samples.	deeper
Phone:	714-398-6363		Global ID:				(	94 9t		09) s				•	
Fax:	951-848-9812		Sampled By:	D. Baysa		,,,,,,		inold	(809)						
	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (60 Arsenic (	onegrO	Pet Hydr VOCs (82 PCBs (80	i SS əljiT	Na'r ann daothan an an Yasan Arinn M	рјон			·
1   556-0.5		12/21/16	4:15 PM	s	802		×	×			A-100-A-7-1-				
2 S56-1.5'		12/21/16	4:20 PM	S	80z							×			
3   \$56-2.5		12/21/16	4:25 PM	S	80z							×			
4   S57-0.5'		12/21/16	4:20 PM	S	goz		×	×							
5 S57-1.5'		12/21/16	4:25 PM	S	80z		-					×	,		
6 557-2.5		12/21/16	4:30 PM	S	802			~~~				×			
7   558-0.5		12/21/16	4:00 PM	S	80z		×	×							
8 S58-1.5'		12/21/16	4:05 PM	8	80z							×			
9 S58-2.5'	en e	12/21/16	4:10 PM	S	80z		**					×			1
10				\$										MINIMA CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONT	WEISON STREET STREET
	S	Signature		Р	Print Name			Ö	Company	/ Title			Date	e / Time	
<sup>1</sup> Relinquished By:	d By:			Ď	Danny Baysa		8	S Gro	CES Group/ Field Supervisor	Super	visor				
<sup>1</sup> Received By:				100	Lubraui		9	CES	CAUCIO	Š			2-22-1	9	000
<sup>2</sup> Relinquished By:	d By:		4	40 1	JOBCANI		9	B	61	2006		7	-22-	16/1	209
<sup>2</sup> Received By:	::	A STATE OF THE PARTY OF THE PAR		L. 1773 Carrel	To let					A		121	21/22	1207	
<sup>3</sup> Relinquished By:	d By:			C. Marsh				Ì				1.27	31/22	1253	
<sup>3</sup> Received By:	: Tall	J.	_	T. Nasa	ડ્સ				医科			1/22/21	ग्रहेट	1253	

ENTHAL	ENTHALPHY ANALYTICAL, INC.				Chain of Custody Record	ody Rec	ord	-	urn An	ound Tir	ne (Rush	by advant	Turn Around Time (Rush by advanced notice only)	onty)
806 N. Ba	806 N. Batavia St., Orange, CA 92868			Lab No:	古名?:	<del>+</del>		Standard:	rd:	×	4 Day:	,	3 Day:	
Phone: (714)	Phone: (714) 771-6900 Fax: (714)771-9933			Page:	∞	of	∞	2 Day:			1 Day:		Same Day:	
Billing: Enthalpy - SoCal	- SoCal		7		Matrix: A = Air DW = Drinking Water	ir DW≔	Drinking	Water		Proces	Droconyativos: 1	1 = Na. S.O.	7=HCl 3=	3 = HNO.
c/o Montrose En	c/o Montrose Environmental Group	aralytic	ytical, inc.	dd i	oduct	~		SeaW = Sea Water	·		$4 = H_2 SO_4$	4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH	6 = Oth	m )
1 Park Plaza, Suit	1 Park Plaza, Suite 1000, Irvine, CA 92614			SN	SW = Swab W = Water		WP = Wipe	0 = Other		25020-22020-2000	munitikanskarkkam, mikitak	A September of the second		
כר	CUSTOMER INFORMATION		PRO	PROJECT INFC	FORMATION			Analys	Analysis Request	St.		Test Instru	Test Instructions / Comments	ents
Company:	CES Group		Name: G	Grant HS				၁၁၄						
Report To:	Skye Green		Number:				<del>volulir (vorus</del> Kr							
Email:	sgreen@cesgroup.co	:	P.O.#;						(∀	I. ·				
Address:	33353 Temecula Pkwy , Suite 104#333		Address: 1	18605 Erwin St.	St.				1474					,
	Temecula, CA 92592		<u> </u>	Tarzana, CA 91335	91335				\#0£	10.5-	<b>A</b>	ialyze 0.5' s. s	Analyze 0.5' samples. Hold deeper samples.	deeper
Phone:	714-398-6363		Global ID:				(	e no		001				
Fax:	951-848-9812		Sampled By: D	D. Baysa				ocsup	(A18					HORESHWO
	Sample ID	Sampling Date	Sampling	Matrix	Container No. / Size	Pres.	:0a) bes	rganoci et Hydri OCs (82	CBs (808) N SS elt		plo			
1 S53D-0.5	1	12/21/16	3:45 PM	S	Z08		_	d	d		-	***************************************		
2	The state of the s	2		S										*
3 52/562		12/21/16	1:00 PM	s	8oz						o Plold o	$T_{N}^{T}$ fluo ploH	aken for	J. 1. 2. 16.
4 52/562	15/12	12/21/16	1:05 PM	s	208				,		GI ×	taken h	from Cox	River C
\ \cap \	502-B.C.	12/21/16	1:10 PM	5	208						ト (エ) ×	ID taken fr	for canfe	ainer 12
, 9				5					*****		:	-	-	
7				5										
8				S										
6				S										
10				S									2001 2000 0000 0000 0000 0000 0000 0000	
	Sig	Signature	20.000	Pr	Print Name			Company /	ıny / Title	tle		Da	Date / Time	
$^{\mathrm{1}}$ Relinquished By:	1 By:	MIN		Da	Janny Baysa		CES	CES Group/ Field Supervisor	ield Su	pervisor			į	
<sup>1</sup> Received By:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			AK L	darani		<b>(</b> C)	es se	d Do BO	0		22 - 2	1 91-2	0610
<sup>2</sup> Relinquished By:	J By:			A OA	Johni		00	S	61000	2	2/	-22 - 7	16/12	205
<sup>2</sup> Received By:	in the second se	A CONTRACTOR OF THE PARTY OF TH	7	" mar	in lette				"		121	21/22/	2021	
<sup>3</sup> Relinquished By:	d By:	, and the second	6	2. Marco	ch to						12/21	1 9/122	1257	
<sup>3</sup> Received By:	in tak	The		1. 12 don	سي			K B			2)21	32 (16 (	(2.53	



# SAMPLE ACCEPTANCE CHECKLIST

Section 1			
Client: (ES GROW) Project: GRANT HS	<u> </u>		
Date Received: 14146 Sampler's Name Present:	Yes No		
Sample(s) received in a cooler? Yes How many? No (skip section 2) Sar Sample Temp (°C) from each cooler: #1: 13.75 #2: #3:	nple Tem	p (°C):	
Sample Temp (°C) from each cooler: #1: 13 9 42: #3:	#4:	· <del></del>	
(Acceptance range is 0 to 6°C or, for samples collected the same day as sample receipt, arrival on ice; For Microbiology	y sample 0 to	o 10°C or, f	or samples
collected the same day as sample receipt, arrival on ice)			
Shipping Information:			
Section 2			-
Was the cooler packed with:	Styrofoa	m	
Paper None Other		_	
Paper   None   Other	_#4:		
Section 3	YES	NO	N/A
Was a COC received?	<del>         </del>		
Were sample IDs present?	<del>                                     </del>		
Were sampling dates & times present?	1,/		
Was a relinquished signature present? Were the tests required clearly indicated?			
Were custody seals present?	1		
If Yes – were they intact?		-	V
Were all samples sealed in plastic bags?			<u> </u>
Did all samples arrive intact? If no, indicate below.			
Did all bottle labels agree with COC? (ID, dates and times)		<del></del>	
Were correct containers used for the tests required?			
Was a sufficient amount of sample sent for tests indicated?			
Was there headspace in VOA vials?			
Were the containers labeled with correct preservatives?			
Section 4			
Explanations/Comments: UNST 2 SAMPLES Q NOT HAVE IOS			
Explanations/Comments, Only C 7/10 1005 30 700 ( Prace 200)			
Section 5		. , <i>i</i>	
For discrepancies, how was the Project Manager notified? Verbal PM Initials: 141		/Time <sup>l</sup> * <u>(</u>	22/16
Email (email sent to/o	on):	/	
Project Manager's response:			
Completed By: Tayl Va Date: 12/72/16			
Completed by.	_		

## **Ranjit Clarke**

From: Skye Green <sgreen@cesgroup.co>
Sent: Thursday, January 05, 2017 9:49 AM

To: Ranjit Clarke
Cc: 'Danny Baysa'

**Subject:** RE: Enthalpy Analytical Final Report #385747

#### Ranjit,

Please run STLC analysis on S47-0.5' Lead result of 56.6 mg/kg. We will stick with normal turnaround time. Thanks.

### Skye Green, P.E.

CES Group, Inc. CES/Novacom/ERG 951-808-8585 office 714-398-6363 mobile 951-848-9812 fax sgreen@cesgroup.co www.cesgroup.co



**From:** Ranjit Clarke [mailto:Ranjit.Clarke@enthalpy.com]

Sent: Wednesday, January 4, 2017 4:13 PM

To: sgreen@cesgroup.co; Danny Baysa <dbaysa@cesgroup.co>

Subject: Enthalpy Analytical Final Report #385747

Hi Skye Green,

Attached is your final report #385747.

Thank you.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

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## **Ranjit Clarke**

From: Skye Green <sgreen@cesgroup.co>
Sent: Thursday, January 12, 2017 12:47 PM

To: Ranjit Clarke

**Subject:** RE: Grant HS (12/21/16) - Enthalpy Analytical Final Report #385747 - Supplemental report 1

### Hi Ranjit,

I also need the lead result for the deeper sample S47-1.5'. Is that on your radar already?

### Skye Green, P.E.

CES Group, Inc. CES/Novacom/ERG 951-808-8585 office 714-398-6363 mobile 951-848-9812 fax sgreen@cesgroup.co www.cesgroup.co



From: Ranjit Clarke [mailto:Ranjit.Clarke@enthalpy.com]

Sent: Thursday, January 12, 2017 10:52 AM

To: sgreen@cesgroup.co; 'Danny Baysa' <dbaysa@cesgroup.co>

Subject: Grant HS (12/21/16) - Enthalpy Analytical Final Report #385747 - Supplemental report 1

Hi Skye Green,

Attached is your final report #385747. Supplemental report 1. STLC Pb for S47-0.5' is now included.

Thank you.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

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# **Enthalpy Analytical, Inc.**

Formerly Associated Labs 806 N. Batavia - Orange, CA 92868 Tel: (714)771-6900 Fax: (714)538-1209 www.associatedlabs.com info-sc@enthalpy.com

Client: CES Group, Inc.

Address: 33353 Temecula Pkwy.

Suite 104 #333

Temecula, CA 92592

Attn: Skye Green

Comments: Grant HS

PO# 27016

13000 Oxnard St., Los Angeles, CA 91335

Supplemental Report 1 - Reporting units changed to ug/m3.



Lab Request: 385824
Report Date: 01/12/2017
Date Received: 12/24/2016
Client ID: 15581

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
385824-001	S1/SG1-5'
385824-002	S1-SG1-10'
385824-003	S2/SG2-5'
385824-004	S2/SG2-10'
385824-005	S3/SG3-5'
385824-006	S3/SG3-10'
385824-007	S50/SG4-5'
385824-008	S50/SG4-10'

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.



Sample #: 385824-001 Client Sample #: S1/SG1-5' Sample Type:

Analyte	Res	ult DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 8260B	Prep Method: Method						QCBatchID: QC1173907
1,1,1-Trichloroethane	NE	) 1	1.1	5.5	ug/m3		12/28/16 15:14 ZZ
1,1,2,2-Tetrachloroethane	NE	) 1	4.1	6.9	ug/m3		12/28/16 15:14 ZZ
1,1,2-Trichloroethane	NE	) 1	1.7	5.5	ug/m3		12/28/16 15:14 ZZ
1,1,2-Trichlorotrifluoroethane	NE	) 1	3.1	7.7	ug/m3		12/28/16 15:14 ZZ
1,1-Dichloroethane	NΓ	) 1	1.2	4.1	ug/m3		12/28/16 15:14 ZZ
1,1-Dichloroethene	NE	) 1	2.4	4	ug/m3		12/28/16 15:14 ZZ
1,2,4-Trichlorobenzene	NE	) 1	3.7	7.4	ug/m3		12/28/16 15:14 ZZ
1,2,4-Trimethylbenzene	NE	) 1	2	4.9	ug/m3		12/28/16 15:14 ZZ
1,2-Dibromoethane	NΓ	) 1	3.9	7.7	ug/m3		12/28/16 15:14 ZZ
1,2-Dichlorobenzene	NE	) 1	36	60	ug/m3		12/28/16 15:14 ZZ
1,2-Dichloroethane	NE	) 1	1.6	4.1	ug/m3		12/28/16 15:14 ZZ
1,2-Dichloropropane	NE	) 1	1.8	4.6	ug/m3		12/28/16 15:14 ZZ
1,3,5-Trimethylbenzene	NΓ	1	4.9	4.9	ug/m3		12/28/16 15:14 ZZ
1,3-Dichlorobenzene	NE	) 1	3.6	6	ug/m3		12/28/16 15:14 ZZ
1,4-Dichlorobenzene	NE	) 1	3.6	6	ug/m3		12/28/16 15:14 ZZ
4-Ethyltoluene	NE	) 1	2.5	4.9	ug/m3		12/28/16 15:14 ZZ
Benzene	NΓ	) 1	1	3.2	ug/m3		12/28/16 15:14 ZZ
Bromodichloromethane	NE	) 1	2.7	6.7	ug/m3		12/28/16 15:14 ZZ
Bromoform	NE	) 1	4.1	10.3	ug/m3		12/28/16 15:14 ZZ
Bromomethane	NE	) 1	3.1	3.9	ug/m3		12/28/16 15:14 ZZ
Carbon Tetrachloride	NΓ	) 1	1.9	6.3	ug/m3		12/28/16 15:14 ZZ
Chlorobenzene	NE	) 1	1.8	4.6	ug/m3		12/28/16 15:14 ZZ
Chlorodibromomethane	NE	) 1	3.4	8.5	ug/m3		12/28/16 15:14 ZZ
Chloroethane	NE	) 1	13	13	ug/m3		12/28/16 15:14 ZZ
Chloroform	NΓ	1	4.9	4.9	ug/m3		12/28/16 15:14 ZZ
Chloromethane	NE	) 1	10.5	10.5	ug/m3		12/28/16 15:14 ZZ
cis-1,2-Dichloroethene	NE	) 1	3.2	4	ug/m3		12/28/16 15:14 ZZ
cis-1,3-dichloropropene	NE	) 1	1.8	4.5	ug/m3		12/28/16 15:14 ZZ
Dichlorodifluoromethane	NΓ	1	2.5	4.9	ug/m3		12/28/16 15:14 ZZ
Ethylbenzene	NE	) 1	1.7	4.3	ug/m3		12/28/16 15:14 ZZ
m and p-Xylene	NE	) 1	1.7	4.3	ug/m3		12/28/16 15:14 ZZ
Methylene chloride	NΓ	) 1	3.5	3.5	ug/m3		12/28/16 15:14 ZZ
Methyl-t-butyl Ether (MTBE)	NΓ	) 1	1.4	3.6	ug/m3		12/28/16 15:14 ZZ
o-Xylene	NE	) 1	2.2	4.3	ug/m3		12/28/16 15:14 ZZ
Styrene	NE		1.3	4.3	ug/m3		12/28/16 15:14 ZZ
Tetrachloroethene	NΓ	) 1	2.7	6.8	ug/m3		12/28/16 15:14 ZZ
Toluene	NΓ	) 1	1.5	3.8	ug/m3		12/28/16 15:14 ZZ B
trans-1,2-dichloroethene	NE	) 1	3.2	4	ug/m3		12/28/16 15:14 ZZ
trans-1,3-dichloropropene	NE	) 1	1.2	4	ug/m3		12/28/16 15:14 ZZ
Trichloroethene	NΓ	) 1	1.6	5.4	ug/m3		12/28/16 15:14 ZZ
Trichlorofluoromethane	45.	<b>5</b> 1	1.7	5.6	ug/m3		12/28/16 15:14 ZZ
Vinyl Chloride	NE	) 1	1	2.6	ug/m3		12/28/16 15:14 ZZ
Xylenes (Total)	NE	) 1	2.2	4.3	ug/m3		12/28/16 15:14 ZZ

Sample #: 385824-002 Client Sample #: S1-SG1-10' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8260B	Prep Method:							QCBatchID:		C1173906
1,1,1-Trichloroethane		ND	1	1.1	5.5	ug/m3		12/27/16 15:48	ZZ	
1,1,2,2-Tetrachloroethane		ND	1	4.1	6.9	ug/m3		12/27/16 15:48	ZZ	
1,1,2-Trichloroethane		ND	1	1.7	5.5	ug/m3		12/27/16 15:48	ZZ	
1,1,2-Trichlorotrifluoroethane		ND	1	3.1	7.7	ug/m3		12/27/16 15:48	ZZ	
1,1-Dichloroethane		ND	1	1.2	4.1	ug/m3		12/27/16 15:48	ZZ	
1,1-Dichloroethene		ND	1	2.4	4	ug/m3		12/27/16 15:48	ZZ	
1,2,4-Trichlorobenzene		ND	1	3.7	7.4	ug/m3		12/27/16 15:48	ZZ	
1,2,4-Trimethylbenzene		ND	1	2	4.9	ug/m3		12/27/16 15:48	ZZ	
1,2-Dibromoethane		ND	1	3.9	7.7	ug/m3		12/27/16 15:48	ZZ	
1,2-Dichlorobenzene		ND	1	36	60	ug/m3		12/27/16 15:48	ZZ	
1,2-Dichloroethane		ND	1	1.6	4.1	ug/m3		12/27/16 15:48	ZZ	
1,2-Dichloropropane		ND	1	1.8	4.6	ug/m3		12/27/16 15:48	ZZ	
1,3,5-Trimethylbenzene		ND	1	4.9	4.9	ug/m3		12/27/16 15:48	ZZ	
1,3-Dichlorobenzene		ND	1	3.6	6	ug/m3		12/27/16 15:48	ZZ	
1,4-Dichlorobenzene		ND	1	3.6	6	ug/m3		12/27/16 15:48	ZZ	
4-Ethyltoluene		5.9	1	2.5	4.9	ug/m3		12/27/16 15:48	ZZ	
Benzene		1.3 J	1	1	3.2	ug/m3		12/27/16 15:48	ZZ	J
Bromodichloromethane		ND	1	2.7	6.7	ug/m3		12/27/16 15:48	ZZ	
Bromoform		ND	1	4.1	10.3	ug/m3		12/27/16 15:48	ZZ	
Bromomethane		ND	1	3.1	3.9	ug/m3		12/27/16 15:48	ZZ	
Carbon Tetrachloride		ND	1	1.9	6.3	ug/m3		12/27/16 15:48	ZZ	
Chlorobenzene		ND	1	1.8	4.6	ug/m3		12/27/16 15:48	ZZ	
Chlorodibromomethane		ND	1	3.4	8.5	ug/m3		12/27/16 15:48	ZZ	
Chloroethane		ND	1	13	13	ug/m3		12/27/16 15:48	ZZ	
Chloroform		ND	1	4.9	4.9	ug/m3		12/27/16 15:48	ZZ	
Chloromethane		ND	1	10.5	10.5	ug/m3		12/27/16 15:48	ZZ	
cis-1,2-Dichloroethene		ND	1	3.2	4	ug/m3		12/27/16 15:48	ZZ	
cis-1,3-dichloropropene		ND	1	1.8	4.5	ug/m3		12/27/16 15:48	ZZ	
Dichlorodifluoromethane		3.5 J	1	2.5	4.9	ug/m3		12/27/16 15:48	ZZ	J
Ethylbenzene		6.5	1	1.7	4.3	ug/m3		12/27/16 15:48	ZZ	
m and p-Xylene		14.8	1	1.7	4.3	ug/m3		12/27/16 15:48	ZZ	
Methylene chloride		ND	1	3.5	3.5	ug/m3		12/27/16 15:48	ZZ	
Methyl-t-butyl Ether (MTBE)		ND	1	1.4	3.6	ug/m3		12/27/16 15:48	ZZ	
o-Xylene		4.3	1	2.2	4.3	ug/m3		12/27/16 15:48	ZZ	
Styrene		30.2	1	1.3	4.3	ug/m3		12/27/16 15:48	ZZ	
Tetrachloroethene		8.1	1	2.7	6.8	ug/m3		12/27/16 15:48	ZZ	
Toluene		13.2	1	1.5	3.8	ug/m3		12/27/16 15:48	ZZ	
trans-1,2-dichloroethene		ND	1	3.2	4	ug/m3		12/27/16 15:48	ZZ	
trans-1,3-dichloropropene		ND	1	1.2	4	ug/m3		12/27/16 15:48	ZZ	
Trichloroethene		ND	1	1.6	5.4	ug/m3		12/27/16 15:48	ZZ	
Trichlorofluoromethane		130	1	1.7	5.6	ug/m3		12/27/16 15:48	ZZ	
Vinyl Chloride		ND	1	1	2.6	ug/m3		12/27/16 15:48	ZZ	
Xylenes (Total)		19.1	1	2.2	4.3	ug/m3		12/27/16 15:48	ZZ	

Sampled: 12/23/2016 13:30 Site:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
	Prep Method: Method					-		C1173906
1,1,1-Trichloroethane	ND	1	1.1	5.5	ug/m3		12/27/16 16:35 ZZ	
1,1,2,2-Tetrachloroethane	ND	1	4.1	6.9	ug/m3		12/27/16 16:35 ZZ	
1,1,2-Trichloroethane	ND	1	1.7	5.5	ug/m3		12/27/16 16:35 ZZ	
1,1,2-Trichlorotrifluoroethane	ND	1	3.1	7.7	ug/m3		12/27/16 16:35 ZZ	
1,1-Dichloroethane	ND	1	1.2	4.1	ug/m3		12/27/16 16:35 ZZ	
1,1-Dichloroethene	ND	1	2.4	4	ug/m3		12/27/16 16:35 ZZ	
1,2,4-Trichlorobenzene	ND	1	3.7	7.4	ug/m3		12/27/16 16:35 ZZ	
1,2,4-Trimethylbenzene	2.9 J	1	2	4.9	ug/m3		12/27/16 16:35 ZZ	J
1,2-Dibromoethane	ND	1	3.9	7.7	ug/m3		12/27/16 16:35 ZZ	
1,2-Dichlorobenzene	ND	1	36	60	ug/m3		12/27/16 16:35 ZZ	
1,2-Dichloroethane	ND	1	1.6	4.1	ug/m3		12/27/16 16:35 ZZ	
1,2-Dichloropropane	ND	1	1.8	4.6	ug/m3		12/27/16 16:35 ZZ	
1,3,5-Trimethylbenzene	ND	1	4.9	4.9	ug/m3		12/27/16 16:35 ZZ	
1,3-Dichlorobenzene	ND	1	3.6	6	ug/m3		12/27/16 16:35 ZZ	
1,4-Dichlorobenzene	ND	1	3.6	6	ug/m3		12/27/16 16:35 ZZ	
4-Ethyltoluene	7.9	1	2.5	4.9	ug/m3		12/27/16 16:35 ZZ	
Benzene	3.2	1	1	3.2	ug/m3		12/27/16 16:35 ZZ	
Bromodichloromethane	ND	1	2.7	6.7	ug/m3		12/27/16 16:35 ZZ	
Bromoform	ND	1	4.1	10.3	ug/m3		12/27/16 16:35 ZZ	
Bromomethane	ND	1	3.1	3.9	ug/m3		12/27/16 16:35 ZZ	
Carbon Tetrachloride	ND	1	1.9	6.3	ug/m3		12/27/16 16:35 ZZ	
Chlorobenzene	ND	1	1.8	4.6	ug/m3		12/27/16 16:35 ZZ	
Chlorodibromomethane	ND	1	3.4	8.5	ug/m3		12/27/16 16:35 ZZ	
Chloroethane	ND	1	13	13	ug/m3		12/27/16 16:35 ZZ	
Chloroform	ND	1	4.9	4.9	ug/m3		12/27/16 16:35 ZZ	
Chloromethane	ND	1	10.5	10.5	ug/m3		12/27/16 16:35 ZZ	
cis-1,2-Dichloroethene	ND	1	3.2	4	ug/m3		12/27/16 16:35 ZZ	
cis-1,3-dichloropropene	ND	1	1.8	4.5	ug/m3		12/27/16 16:35 ZZ	
Dichlorodifluoromethane	3.0 J	1	2.5	4.9	ug/m3		12/27/16 16:35 ZZ	J
Ethylbenzene	10.4	1	1.7	4.3	ug/m3		12/27/16 16:35 ZZ	
m and p-Xylene	43.8	1	1.7	4.3	ug/m3		12/27/16 16:35 ZZ	
Methylene chloride	ND	1	3.5	3.5	ug/m3		12/27/16 16:35 ZZ	
Methyl-t-butyl Ether (MTBE)	ND	1	1.4	3.6	ug/m3		12/27/16 16:35 ZZ	
o-Xylene	11.3	1	2.2	4.3	ug/m3		12/27/16 16:35 ZZ	
Styrene	10.6	1	1.3	4.3	ug/m3		12/27/16 16:35 ZZ	
Tetrachloroethene	4.1 J	1	2.7	6.8	ug/m3		12/27/16 16:35 ZZ	J
Toluene	38.8	1	1.5	3.8	ug/m3		12/27/16 16:35 ZZ	
trans-1,2-dichloroethene	ND	1	3.2	4	ug/m3		12/27/16 16:35 ZZ	
trans-1,3-dichloropropene	ND	1	1.2	4	ug/m3		12/27/16 16:35 ZZ	
Trichloroethene	ND	1	1.6	5.4	ug/m3		12/27/16 16:35 ZZ	
Trichlorofluoromethane	37.7	1	1.7	5.6	ug/m3		12/27/16 16:35 ZZ	
Vinyl Chloride	ND	1	1	2.6	ug/m3		12/27/16 16:35 ZZ	
Xylenes (Total)	55.1	1	2.2	4.3	ug/m3		12/27/16 16:35 ZZ	

Sample #: 385824-004 Client Sample #: \$2/\$G2-10' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared Analyzed By Notes
Method: EPA 8260B Prep Method	d: Method					QCBatchID: QC1173906
1,1,1-Trichloroethane	ND	1	1.1	5.5	ug/m3	12/27/16 17:22 ZZ
1,1,2,2-Tetrachloroethane	ND	1	4.1	6.9	ug/m3	12/27/16 17:22 ZZ
1,1,2-Trichloroethane	ND	1	1.7	5.5	ug/m3	12/27/16 17:22 ZZ
1,1,2-Trichlorotrifluoroethane	ND	1	3.1	7.7	ug/m3	12/27/16 17:22 ZZ
1,1-Dichloroethane	ND	1	1.2	4.1	ug/m3	12/27/16 17:22 ZZ
1,1-Dichloroethene	ND	1	2.4	4	ug/m3	12/27/16 17:22 ZZ
1,2,4-Trichlorobenzene	ND	1	3.7	7.4	ug/m3	12/27/16 17:22 ZZ
1,2,4-Trimethylbenzene	ND	1	2	4.9	ug/m3	12/27/16 17:22 ZZ
1,2-Dibromoethane	ND	1	3.9	7.7	ug/m3	12/27/16 17:22 ZZ
1,2-Dichlorobenzene	ND	1	36	60	ug/m3	12/27/16 17:22 ZZ
1,2-Dichloroethane	ND	1	1.6	4.1	ug/m3	12/27/16 17:22 ZZ
1,2-Dichloropropane	ND	1	1.8	4.6	ug/m3	12/27/16 17:22 ZZ
1,3,5-Trimethylbenzene	ND	1	4.9	4.9	ug/m3	12/27/16 17:22 ZZ
1,3-Dichlorobenzene	ND	1	3.6	6	ug/m3	12/27/16 17:22 ZZ
1,4-Dichlorobenzene	ND	1	3.6	6	ug/m3	12/27/16 17:22 ZZ
4-Ethyltoluene	2.9 J	1	2.5	4.9	ug/m3	12/27/16 17:22 ZZ J
Benzene	ND	1	1	3.2	ug/m3	12/27/16 17:22 ZZ
Bromodichloromethane	ND	1	2.7	6.7	ug/m3	12/27/16 17:22 ZZ
Bromoform	ND	1	4.1	10.3	ug/m3	12/27/16 17:22 ZZ
Bromomethane	ND	1	3.1	3.9	ug/m3	12/27/16 17:22 ZZ
Carbon Tetrachloride	ND	1	1.9	6.3	ug/m3	12/27/16 17:22 ZZ
Chlorobenzene	ND	1	1.8	4.6	ug/m3	12/27/16 17:22 ZZ
Chlorodibromomethane	ND	1	3.4	8.5	ug/m3	12/27/16 17:22 ZZ
Chloroethane	ND	1	13	13	ug/m3	12/27/16 17:22 ZZ
Chloroform	ND	1	4.9	4.9	ug/m3	12/27/16 17:22 ZZ
Chloromethane	ND	1	10.5	10.5	ug/m3	12/27/16 17:22 ZZ
cis-1,2-Dichloroethene	ND	1	3.2	4	ug/m3	12/27/16 17:22 ZZ
cis-1,3-dichloropropene	ND	1	1.8	4.5	ug/m3	12/27/16 17:22 ZZ
Dichlorodifluoromethane	3.0 J	1	2.5	4.9	ug/m3	12/27/16 17:22 ZZ J
Ethylbenzene	3.9 J	1	1.7	4.3	ug/m3	12/27/16 17:22 ZZ J
m and p-Xylene	11.3	1	1.7	4.3	ug/m3	12/27/16 17:22 ZZ
Methylene chloride	ND	1	3.5	3.5	ug/m3	12/27/16 17:22 ZZ
Methyl-t-butyl Ether (MTBE)	ND	1	1.4	3.6	ug/m3	12/27/16 17:22 ZZ
o-Xylene	3.0 J	1	2.2	4.3	ug/m3	12/27/16 17:22 ZZ J
Styrene	12.4	1	1.3	4.3	ug/m3	12/27/16 17:22 ZZ
Tetrachloroethene	3.4 J	1	2.7	6.8	ug/m3	12/27/16 17:22 ZZ J
Toluene	9.4	1	1.5	3.8	ug/m3	12/27/16 17:22 ZZ
trans-1,2-dichloroethene	ND	1	3.2	4	ug/m3	12/27/16 17:22 ZZ
trans-1,3-dichloropropene	ND	1	1.2	4	ug/m3	12/27/16 17:22 ZZ
Trichloroethene	ND	1	1.6	5.4	ug/m3	12/27/16 17:22 ZZ
Trichlorofluoromethane	46.6	1	1.7	5.6	ug/m3	12/27/16 17:22 ZZ
Vinyl Chloride	ND	1	1	2.6	ug/m3	12/27/16 17:22 ZZ
Xylenes (Total)	14.3	1	2.2	4.3	ug/m3	12/27/16 17:22 ZZ

Sampled: 12/23/2016 14:25 Site:

Sample #: 385824-005 Client Sample #: S3/SG3-5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 8260B	Prep Method:	Method						QCBatchID: QC1173906
1,1,1-Trichloroethane		ND	2	2.2	11	ug/m3		12/27/16 18:06 ZZ
1,1,2,2-Tetrachloroethane		ND	2	8.2	13.8	ug/m3		12/27/16 18:06 ZZ
1,1,2-Trichloroethane		ND	2	3.4	11	ug/m3		12/27/16 18:06 ZZ
1,1,2-Trichlorotrifluoroethane		ND	2	6.2	15.4	ug/m3		12/27/16 18:06 ZZ
1,1-Dichloroethane		ND	2	2.4	8.2	ug/m3		12/27/16 18:06 ZZ
1,1-Dichloroethene		ND	2	4.8	8	ug/m3		12/27/16 18:06 ZZ
1,2,4-Trichlorobenzene		ND	2	7.4	14.8	ug/m3		12/27/16 18:06 ZZ
1,2,4-Trimethylbenzene		ND	2	4	9.8	ug/m3		12/27/16 18:06 ZZ
1,2-Dibromoethane		ND	2	7.8	15.4	ug/m3		12/27/16 18:06 ZZ
1,2-Dichlorobenzene		ND	2	72	120	ug/m3		12/27/16 18:06 ZZ
1,2-Dichloroethane		ND	2	3.2	8.2	ug/m3		12/27/16 18:06 ZZ
1,2-Dichloropropane		ND	2	3.6	9.2	ug/m3		12/27/16 18:06 ZZ
1,3,5-Trimethylbenzene		ND	2	9.8	9.8	ug/m3		12/27/16 18:06 ZZ
1,3-Dichlorobenzene		ND	2	7.2	12	ug/m3		12/27/16 18:06 ZZ
1,4-Dichlorobenzene		ND	2	7.2	12	ug/m3		12/27/16 18:06 ZZ
4-Ethyltoluene		ND	2	5	9.8	ug/m3		12/27/16 18:06 ZZ
Benzene		ND	2	2	6.4	ug/m3		12/27/16 18:06 ZZ
Bromodichloromethane		ND	2	5.4	13.4	ug/m3		12/27/16 18:06 ZZ
Bromoform		ND	2	8.2	20.6	ug/m3		12/27/16 18:06 ZZ
Bromomethane		ND	2	6.2	7.8	ug/m3		12/27/16 18:06 ZZ
Carbon Tetrachloride		ND	2	3.8	12.6	ug/m3		12/27/16 18:06 ZZ
Chlorobenzene		ND	2	3.6	9.2	ug/m3		12/27/16 18:06 ZZ
Chlorodibromomethane		ND	2	6.8	17	ug/m3		12/27/16 18:06 ZZ
Chloroethane		ND	2	26	26	ug/m3		12/27/16 18:06 ZZ
Chloroform		ND	2	9.8	9.8	ug/m3		12/27/16 18:06 ZZ
Chloromethane		ND	2	21	21	ug/m3		12/27/16 18:06 ZZ
cis-1,2-Dichloroethene		ND	2	6.4	8	ug/m3		12/27/16 18:06 ZZ
cis-1,3-dichloropropene		ND	2	3.6	9	ug/m3		12/27/16 18:06 ZZ
Dichlorodifluoromethane		ND	2	5	9.8	ug/m3		12/27/16 18:06 ZZ
Ethylbenzene		5.2 J	2	3.4	8.6	ug/m3		12/27/16 18:06 ZZ J
m and p-Xylene		20.0	2	3.4	8.6	ug/m3		12/27/16 18:06 ZZ
Methylene chloride		ND	2	7	7	ug/m3		12/27/16 18:06 ZZ
Methyl-t-butyl Ether (MTBE)		ND	2	2.8	7.2	ug/m3		12/27/16 18:06 ZZ
o-Xylene		6.9 J	2	4.4	8.6	ug/m3		12/27/16 18:06 ZZ J
Styrene		6.8 J	2	2.6	8.6	ug/m3		12/27/16 18:06 ZZ J
Tetrachloroethene		ND	2	5.4	13.6	ug/m3		12/27/16 18:06 ZZ
Toluene		9.8	2	3	7.6	ug/m3		12/27/16 18:06 ZZ
trans-1,2-dichloroethene		ND	2	6.4	8	ug/m3		12/27/16 18:06 ZZ
trans-1,3-dichloropropene		ND	2	2.4	8	ug/m3		12/27/16 18:06 ZZ
Trichloroethene		ND	2	3.2	10.8	ug/m3		12/27/16 18:06 ZZ
Trichlorofluoromethane		ND	2	3.4	11.2	ug/m3		12/27/16 18:06 ZZ
Vinyl Chloride		ND	2	2	5.2	ug/m3		12/27/16 18:06 ZZ
Xylenes (Total)		26.9	2	4.4	8.6	ug/m3		12/27/16 18:06 ZZ

Sample #: 385824-006 Client Sample #: S3/SG3-10' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By No	otes
	od: Method						QCBatchID: QC117	
1,1,1-Trichloroethane	ND	1	1.1	5.5	ug/m3		01/04/17 11:17 ZZ	
1,1,2,2-Tetrachloroethane	ND	1	4.1	6.9	ug/m3		01/04/17 11:17 ZZ	
1,1,2-Trichloroethane	ND	1	1.7	5.5	ug/m3		01/04/17 11:17 ZZ	
1,1,2-Trichlorotrifluoroethane	ND	1	3.1	7.7	ug/m3		01/04/17 11:17 ZZ	
1,1-Dichloroethane	ND	1	1.2	4.1	ug/m3		01/04/17 11:17 ZZ	
1,1-Dichloroethene	ND	1	2.4	4	ug/m3		01/04/17 11:17 ZZ	
1,2,4-Trichlorobenzene	ND	1	3.7	7.4	ug/m3		01/04/17 11:17 ZZ	
1,2,4-Trimethylbenzene	ND	1	2	4.9	ug/m3		01/04/17 11:17 ZZ	
1,2-Dibromoethane	ND	1	3.9	7.7	ug/m3		01/04/17 11:17 ZZ	
1,2-Dichlorobenzene	ND	1	36	60	ug/m3		01/04/17 11:17 ZZ	
1,2-Dichloroethane	ND	1	1.6	4.1	ug/m3		01/04/17 11:17 ZZ	
1,2-Dichloropropane	ND	1	1.8	4.6	ug/m3		01/04/17 11:17 ZZ	
1,3,5-Trimethylbenzene	ND	1	4.9	4.9	ug/m3		01/04/17 11:17 ZZ	
1,3-Dichlorobenzene	ND	1	3.6	6	ug/m3		01/04/17 11:17 ZZ	
1,4-Dichlorobenzene	ND	1	3.6	6	ug/m3		01/04/17 11:17 ZZ	
4-Ethyltoluene	ND	1	2.5	4.9	ug/m3		01/04/17 11:17 ZZ	
Benzene	1.6 J	1	1	3.2	ug/m3		01/04/17 11:17 ZZ	J
Bromodichloromethane	ND	1	2.7	6.7	ug/m3		01/04/17 11:17 ZZ	
Bromoform	ND	1	4.1	10.3	ug/m3		01/04/17 11:17 ZZ	
Bromomethane	ND	1	3.1	3.9	ug/m3		01/04/17 11:17 ZZ	
Carbon Tetrachloride	ND	1	1.9	6.3	ug/m3		01/04/17 11:17 ZZ	
Chlorobenzene	ND	1	1.8	4.6	ug/m3		01/04/17 11:17 ZZ	
Chlorodibromomethane	ND	1	3.4	8.5	ug/m3		01/04/17 11:17 ZZ	
Chloroethane	ND	1	13	13	ug/m3		01/04/17 11:17 ZZ	
Chloroform	ND	1	4.9	4.9	ug/m3		01/04/17 11:17 ZZ	
Chloromethane	ND	1	10.5	10.5	ug/m3		01/04/17 11:17 ZZ	
cis-1,2-Dichloroethene	ND	1	3.2	4	ug/m3		01/04/17 11:17 ZZ	
cis-1,3-dichloropropene	ND	1	1.8	4.5	ug/m3		01/04/17 11:17 ZZ	
Dichlorodifluoromethane	ND	1	2.5	4.9	ug/m3		01/04/17 11:17 ZZ	
Ethylbenzene	3.5 J	1	1.7	4.3	ug/m3		01/04/17 11:17 ZZ	J
m and p-Xylene	16.9	1	1.7	4.3	ug/m3		01/04/17 11:17 ZZ	
Methylene chloride	ND	1	3.5	3.5	ug/m3		01/04/17 11:17 ZZ	
Methyl-t-butyl Ether (MTBE)	ND	1	1.4	3.6	ug/m3		01/04/17 11:17 ZZ	
o-Xylene	5.2	1	2.2	4.3	ug/m3		01/04/17 11:17 ZZ	
Styrene	6.0	1	1.3	4.3	ug/m3		01/04/17 11:17 ZZ	
Tetrachloroethene	ND	1	2.7	6.8	ug/m3		01/04/17 11:17 ZZ	
Toluene	7.5	1	1.5	3.8	ug/m3		01/04/17 11:17 ZZ	
trans-1,2-dichloroethene	ND	1	3.2	4	ug/m3		01/04/17 11:17 ZZ	
trans-1,3-dichloropropene	ND	1	1.2	4	ug/m3		01/04/17 11:17 ZZ	
Trichloroethene	ND	1	1.6	5.4	ug/m3		01/04/17 11:17 ZZ	
Trichlorofluoromethane	ND	1	1.7	5.6	ug/m3		01/04/17 11:17 ZZ	
Vinyl Chloride	ND	1	1	2.6	ug/m3		01/04/17 11:17 ZZ	
Xylenes (Total)	22.1	1	2.2	4.3	ug/m3		01/04/17 11:17 ZZ	

Sampled: 12/23/2016 10:40 Site:

Analyte	Result	DF	MDL	RDL	Units	Prepared Analyzed By Notes
Method: EPA 8260B Prep Method:	Method					QCBatchID: QC1174048
1,1,1-Trichloroethane	ND	2	2.2	11	ug/m3	01/04/17 12:04 ZZ
1,1,2,2-Tetrachloroethane	ND	2	8.2	13.8	ug/m3	01/04/17 12:04 ZZ
1,1,2-Trichloroethane	ND	2	3.4	11	ug/m3	01/04/17 12:04 ZZ
1,1,2-Trichlorotrifluoroethane	ND	2	6.2	15.4	ug/m3	01/04/17 12:04 ZZ
1,1-Dichloroethane	ND	2	2.4	8.2	ug/m3	01/04/17 12:04 ZZ
1,1-Dichloroethene	ND	2	4.8	8	ug/m3	01/04/17 12:04 ZZ
1,2,4-Trichlorobenzene	ND	2	7.4	14.8	ug/m3	01/04/17 12:04 ZZ
1,2,4-Trimethylbenzene	ND	2	4	9.8	ug/m3	01/04/17 12:04 ZZ
1,2-Dibromoethane	ND	2	7.8	15.4	ug/m3	01/04/17 12:04 ZZ
1,2-Dichlorobenzene	ND	2	72	120	ug/m3	01/04/17 12:04 ZZ
1,2-Dichloroethane	ND	2	3.2	8.2	ug/m3	01/04/17 12:04 ZZ
1,2-Dichloropropane	ND	2	3.6	9.2	ug/m3	01/04/17 12:04 ZZ
1,3,5-Trimethylbenzene	ND	2	9.8	9.8	ug/m3	01/04/17 12:04 ZZ
1,3-Dichlorobenzene	ND	2	7.2	12	ug/m3	01/04/17 12:04 ZZ
1,4-Dichlorobenzene	ND	2	7.2	12	ug/m3	01/04/17 12:04 ZZ
4-Ethyltoluene	ND	2	5	9.8	ug/m3	01/04/17 12:04 ZZ
Benzene	ND	2	2	6.4	ug/m3	01/04/17 12:04 ZZ
Bromodichloromethane	ND	2	5.4	13.4	ug/m3	01/04/17 12:04 ZZ
Bromoform	ND	2	8.2	20.6	ug/m3	01/04/17 12:04 ZZ
Bromomethane	ND	2	6.2	7.8	ug/m3	01/04/17 12:04 ZZ
Carbon Tetrachloride	ND	2	3.8	12.6	ug/m3	01/04/17 12:04 ZZ
Chlorobenzene	ND	2	3.6	9.2	ug/m3	01/04/17 12:04 ZZ
Chlorodibromomethane	ND	2	6.8	17	ug/m3	01/04/17 12:04 ZZ
Chloroethane	ND	2	26	26	ug/m3	01/04/17 12:04 ZZ
Chloroform	ND	2	9.8	9.8	ug/m3	01/04/17 12:04 ZZ
Chloromethane	ND	2	21	21	ug/m3	01/04/17 12:04 ZZ
cis-1,2-Dichloroethene	ND	2	6.4	8	ug/m3	01/04/17 12:04 ZZ
cis-1,3-dichloropropene	ND	2	3.6	9	ug/m3	01/04/17 12:04 ZZ
Dichlorodifluoromethane	ND	2	5	9.8	ug/m3	01/04/17 12:04 ZZ
Ethylbenzene	5.2 J	2	3.4	8.6	ug/m3	01/04/17 12:04 ZZ J
m and p-Xylene	21.7	2	3.4	8.6	ug/m3	01/04/17 12:04 ZZ
Methylene chloride	ND	2	7	7	ug/m3	01/04/17 12:04 ZZ
Methyl-t-butyl Ether (MTBE)	ND	2	2.8	7.2	ug/m3	01/04/17 12:04 ZZ
o-Xylene	6.1 J	2	4.4	8.6	ug/m3	01/04/17 12:04 ZZ J
Styrene	5.1 J	2	2.6	8.6	ug/m3	01/04/17 12:04 ZZ J
Tetrachloroethene	19.0	2	5.4	13.6	ug/m3	01/04/17 12:04 ZZ
Toluene	15.1	2	3	7.6	ug/m3	01/04/17 12:04 ZZ
trans-1,2-dichloroethene	ND	2	6.4	8	ug/m3	01/04/17 12:04 ZZ
trans-1,3-dichloropropene	ND	2	2.4	8	ug/m3	01/04/17 12:04 ZZ
Trichloroethene	ND	2	3.2	10.8	ug/m3	01/04/17 12:04 ZZ
Trichlorofluoromethane	296	2	3.4	11.2	ug/m3	01/04/17 12:04 ZZ
Vinyl Chloride	ND	2	2	5.2	ug/m3	01/04/17 12:04 ZZ
Xylenes (Total)	27.8	2	4.4	8.6	ug/m3	01/04/17 12:04 ZZ

Sample #: 385824-008 Client Sample #: S50/SG4-10' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared Analyzed By Notes
Method: EPA 8260B Prep Method:						QCBatchID: QC1174048
1,1,1-Trichloroethane	ND	2.5	2.75	13.75	ug/m3	01/04/17 12:48 ZZ
1,1,2,2-Tetrachloroethane	ND	2.5	10.25	17.25	ug/m3	01/04/17 12:48 ZZ
1,1,2-Trichloroethane	ND	2.5	4.25	13.75	ug/m3	01/04/17 12:48 ZZ
1,1,2-Trichlorotrifluoroethane	ND	2.5	7.75	19.25	ug/m3	01/04/17 12:48 ZZ
1,1-Dichloroethane	ND	2.5	3	10.25	ug/m3	01/04/17 12:48 ZZ
1,1-Dichloroethene	ND	2.5	6	10	ug/m3	01/04/17 12:48 ZZ
1,2,4-Trichlorobenzene	ND	2.5	9.25	18.5	ug/m3	01/04/17 12:48 ZZ
1,2,4-Trimethylbenzene	ND	2.5	5	12.25	ug/m3	01/04/17 12:48 ZZ
1,2-Dibromoethane	ND	2.5	9.75	19.25	ug/m3	01/04/17 12:48 ZZ
1,2-Dichlorobenzene	ND	2.5	90	150	ug/m3	01/04/17 12:48 ZZ
1,2-Dichloroethane	ND	2.5	4	10.25	ug/m3	01/04/17 12:48 ZZ
1,2-Dichloropropane	ND	2.5	4.5	11.5	ug/m3	01/04/17 12:48 ZZ
1,3,5-Trimethylbenzene	ND	2.5	12.25	12.25	ug/m3	01/04/17 12:48 ZZ
1,3-Dichlorobenzene	ND	2.5	9	15	ug/m3	01/04/17 12:48 ZZ
1,4-Dichlorobenzene	ND	2.5	9	15	ug/m3	01/04/17 12:48 ZZ
4-Ethyltoluene	ND	2.5	6.25	12.25	ug/m3	01/04/17 12:48 ZZ
Benzene	ND	2.5	2.5	8	ug/m3	01/04/17 12:48 ZZ
Bromodichloromethane	ND	2.5	6.75	16.75	ug/m3	01/04/17 12:48 ZZ
Bromoform	ND	2.5	10.25	25.75	ug/m3	01/04/17 12:48 ZZ
Bromomethane	ND	2.5	7.75	9.75	ug/m3	01/04/17 12:48 ZZ
Carbon Tetrachloride	ND	2.5	4.75	15.75	ug/m3	01/04/17 12:48 ZZ
Chlorobenzene	ND	2.5	4.5	11.5	ug/m3	01/04/17 12:48 ZZ
Chlorodibromomethane	ND	2.5	8.5	21.25	ug/m3	01/04/17 12:48 ZZ
Chloroethane	ND	2.5	32.5	32.5	ug/m3	01/04/17 12:48 ZZ
Chloroform	ND	2.5	12.25	12.25	ug/m3	01/04/17 12:48 ZZ
Chloromethane	ND	2.5	26.25	26.25	ug/m3	01/04/17 12:48 ZZ
cis-1,2-Dichloroethene	ND	2.5	8	10	ug/m3	01/04/17 12:48 ZZ
cis-1,3-dichloropropene	ND	2.5	4.5	11.25	ug/m3	01/04/17 12:48 ZZ
Dichlorodifluoromethane	ND	2.5	6.25	12.25	ug/m3	01/04/17 12:48 ZZ
Ethylbenzene	ND	2.5	4.25	10.75	ug/m3	01/04/17 12:48 ZZ
m and p-Xylene	13.0	2.5	4.25	10.75	ug/m3	01/04/17 12:48 ZZ
Methylene chloride	ND	2.5	8.75	8.75	ug/m3	01/04/17 12:48 ZZ
Methyl-t-butyl Ether (MTBE)	ND	2.5	3.5	9	ug/m3	01/04/17 12:48 ZZ
o-Xylene	ND	2.5	5.5	10.75	ug/m3	01/04/17 12:48 ZZ
Styrene	5.3 J	2.5	3.25	10.75	ug/m3	01/04/17 12:48 ZZ J
Tetrachloroethene	10.2 J	2.5	6.75	17	ug/m3	01/04/17 12:48 ZZ J
Toluene	11.3	2.5	3.75	9.5	ug/m3	01/04/17 12:48 ZZ
trans-1,2-dichloroethene	ND	2.5	8	10	ug/m3	01/04/17 12:48 ZZ
trans-1,3-dichloropropene	ND	2.5	3	10	ug/m3	01/04/17 12:48 ZZ
Trichloroethene	ND	2.5	4	13.5	ug/m3	01/04/17 12:48 ZZ
Trichlorofluoromethane	264	2.5	4.25	14	ug/m3	01/04/17 12:48 ZZ
Vinyl Chloride	ND	2.5	2.5	6.5	ug/m3	01/04/17 12:48 ZZ
Xylenes (Total)	16.3	2.5	5.5	10.75	ug/m3	01/04/17 12:48 ZZ

 QCBatchID:
 QC1173906
 Analyst:
 nicollez
 Method:
 EPA 8260B

 Matrix:
 Air
 Analyzed:
 12/27/2016
 Instrument:
 VOA-MS (group)

	Blar	nk Summar	у			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1173906MB1						
1,1,1-Trichloroethane	ND	ug/m3	1.1	5.5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	4.1	6.9		
1,1,2-Trichloroethane	ND	ug/m3	1.7	5.5		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.1	7.7		
1,1-Dichloroethane	ND	ug/m3	1.2	4.1		
1,1-Dichloroethene	ND	ug/m3	2.4	4		
1,2,4-Trichlorobenzene	ND	ug/m3	3.7	7.4		
1,2,4-Trimethylbenzene	ND	ug/m3	2	4.9		
1,2-Dibromoethane	ND	ug/m3	3.9	7.7		
1,2-Dichlorobenzene	ND	ug/m3	36	60		
1,2-Dichloroethane	ND	ug/m3	1.6	4.1		
1,2-Dichloropropane	ND	ug/m3	1.8	4.6		
1,3,5-Trimethylbenzene	ND	ug/m3	4.9	4.9		
1,3-Dichlorobenzene	ND	ug/m3	3.6	6		
1,4-Dichlorobenzene	ND	ug/m3	3.6	6		
4-Ethyltoluene	ND	ug/m3	2.5	4.9		
Benzene	ND	ug/m3	1	3.2		
Bromodichloromethane	ND	ug/m3	2.7	6.7		
Bromoform	ND	ug/m3	4.1	10.3		
Bromomethane	ND	ug/m3	3.1	3.9		
Carbon Tetrachloride	ND	ug/m3	1.9	6.3		
Chlorobenzene	ND	ug/m3	1.8	4.6		
Chlorodibromomethane	ND	ug/m3	3.4	8.5		
Chloroethane	ND	ug/m3	13	13		
Chloroform	ND	ug/m3	4.9	4.9		
Chloromethane	ND	ug/m3	10.5	10.5		
cis-1,2-Dichloroethene	ND	ug/m3	3.2	4		
cis-1,3-dichloropropene	ND	ug/m3	1.8	4.5		
Dichlorodifluoromethane	ND	ug/m3	2.5	4.9		
Ethylbenzene	ND	ug/m3	1.7	4.3		
m and p-Xylene	ND	ug/m3	1.7	4.3		
Methylene chloride	ND	ug/m3	3.5	3.5		
Methyl-t-butyl Ether (MTBE)	ND	ug/m3	1.4	3.6		
o-Xylene	ND	ug/m3	2.2	4.3		
Styrene	ND	ug/m3	1.3	4.3		
Tetrachloroethene	ND	ug/m3	2.7	6.8		
Toluene	ND	ug/m3	1.5	3.8		
trans-1,2-dichloroethene	ND	ug/m3	3.2	4		
trans-1,3-dichloropropene	ND	ug/m3	1.2	4		
Trichloroethene	ND	ug/m3	1.6	5.4		
Trichlorofluoromethane	ND	ug/m3	1.7	5.6		. = = = = = = = = = = = = .
Vinyl Chloride	ND	ug/m3	1	2.6		
Xylenes (Total)	ND	ug/m3	2.2	4.3		

QCBatchID:QC1173906Analyst:nicollezMethod:EPA 8260BMatrix:AirAnalyzed:12/27/2016Instrument:VOA-MS (group)

Duplicate Summary											
	Sample	Duplicate			Limits						
Analyte	Amount	Amount	Units	RPD	RPD	Notes					
QC1173906DUP1	<u>'</u>				•	Source: 385824-005					
1,2,4-Trimethylbenzene	ND	ND	ug/m3	0.0	20						
1,3,5-Trimethylbenzene	ND	ND	ug/m3	0.0	20						
4-Ethyltoluene	ND	3.9	ug/m3	200.0	20	D					
Benzene	ND	ND	ug/m3	0.0	20						
Dichlorodifluoromethane	ND	3.0	ug/m3	200.0	20	D					
Ethylbenzene	5.2	4.3	ug/m3	18.9	20						
m and p-Xylene	20.0	18.2	ug/m3	9.4	20						
Methyl-t-butyl Ether (MTBE)	ND	ND	ug/m3	0.0	20						
o-Xylene	6.9	6.1	ug/m3	12.3	20						
Styrene	6.8	6.0	ug/m3	12.5	20						
Tetrachloroethene	ND	4.1	ug/m3	200.0	20	D					
Toluene	9.8	9.0	ug/m3	8.5	20						
Trichloroethene	ND	ND	ug/m3	0.0	20						
Trichlorofluoromethane	ND	2.2	ug/m3	200.0	20	D					
Xylenes (Total)	26.9	24.3	ug/m3	10.2	20						

 QCBatchID:
 QC1173907
 Analyst:
 nicollez
 Method:
 EPA 8260B

 Matrix:
 Air
 Analyzed:
 12/28/2016
 Instrument:
 VOA-MS (group)

	Blar	nk Summar	у			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1173907MB1				•		
1,1,1-Trichloroethane	ND	ug/m3	1.1	5.5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	4.1	6.9		
1,1,2-Trichloroethane	ND	ug/m3	1.7	5.5		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.1	7.7		
1,1-Dichloroethane	ND	ug/m3	1.2	4.1		
1,1-Dichloroethene	ND	ug/m3	2.4	4		
1,2,4-Trichlorobenzene	ND	ug/m3	3.7	7.4		
1,2,4-Trimethylbenzene	ND	ug/m3	2	4.9		
1,2-Dibromoethane	ND	ug/m3	3.9	7.7		
1,2-Dichlorobenzene	ND	ug/m3	36	60		
1,2-Dichloroethane	ND	ug/m3	1.6	4.1		
1,2-Dichloropropane	ND	ug/m3	1.8	4.6		
1,3,5-Trimethylbenzene	ND	ug/m3	4.9	4.9		
1,3-Dichlorobenzene	ND	ug/m3	3.6	6		
1,4-Dichlorobenzene	ND	ug/m3	3.6	6		
4-Ethyltoluene	ND	ug/m3	2.5	4.9		
Benzene	1.3 J	ug/m3	1	3.2		
Bromodichloromethane	ND	ug/m3	2.7	6.7		
Bromoform	ND	ug/m3	4.1	10.3		
Bromomethane	ND	ug/m3	3.1	3.9		
Carbon Tetrachloride	ND	ug/m3	1.9	6.3		
Chlorobenzene	ND	ug/m3	1.8	4.6		
Chlorodibromomethane	ND	ug/m3	3.4	8.5		
Chloroethane	ND	ug/m3	13	13		
Chloroform	ND	ug/m3	4.9	4.9		
Chloromethane	ND	ug/m3	10.5	10.5		
cis-1,2-Dichloroethene	ND	ug/m3	3.2	4		
cis-1,3-dichloropropene	ND	ug/m3	1.8	4.5		
Dichlorodifluoromethane	ND	ug/m3	2.5	4.9		
Ethylbenzene	ND	ug/m3	1.7	4.3		
m and p-Xylene	3.0 J	ug/m3	1.7	4.3		
Methylene chloride	ND	ug/m3	3.5	3.5		
Methyl-t-butyl Ether (MTBE)	ND	ug/m3	1.4	3.6		
o-Xylene	ND	ug/m3	2.2	4.3		
Styrene	ND	ug/m3	1.3	4.3		
Tetrachloroethene	ND	ug/m3	2.7	6.8		
Toluene	4.1	ug/m3	1.5	3.8	В	
trans-1,2-dichloroethene	ND	ug/m3	3.2	4		
trans-1,3-dichloropropene	ND	ug/m3	1.2	4		
Trichloroethene	ND	ug/m3	1.6	5.4		
Trichlorofluoromethane	ND	ug/m3	1.7	5.6		
Vinyl Chloride	ND	ug/m3	1	2.6		
Xylenes (Total)	ND	ug/m3	2.2	4.3		

QCBatchID:QC1173907Analyst:nicollezMethod:EPA 8260BMatrix:AirAnalyzed:12/28/2016Instrument:VOA-MS (group)

	Dup	olicate Summa	ry			
	Sample	Duplicate			Limits	
Analyte	Amount	Amount	Units	RPD	RPD	Notes
QC1173907DUP1	<u>'</u>	•				Source: 385937-001
1,2,4-Trimethylbenzene	ND	ND	Vppb	0.0	30	
1,3,5-Trimethylbenzene	ND	ND	Vppb	0.0	30	
4-Ethyltoluene	ND	ND	Vppb	0.0	30	
Benzene	ND	ND	Vppb	0.0	30	
Cyclohexane	56	54	Vppb	3.6	30	
Ethylbenzene	ND	ND	Vppb	0.0	30	
m and p-Xylene	ND	ND	Vppb	0.0	30	
Methyl-t-butyl Ether (MTBE)	ND	ND	Vppb	0.0	30	
o-Xylene	ND	ND	Vppb	0.0	30	
Tetrachloroethene	2300	2300	Vppb	0.0	30	
Toluene	ND	ND	Vppb	0.0	30	
Trichloroethene	ND	ND	Vppb	0.0	30	
Trichlorofluoromethane	ND	ND	Vppb	0.0	30	
Xylenes (Total)	ND	ND	Vppb	0.0	30	

 QCBatchID:
 QC1174048
 Analyst:
 DPhan
 Method:
 EPA 8260B

 Matrix:
 Air
 Analyzed:
 01/05/2017
 Instrument:
 VOA-MS (group)

	Blar	nk Summar	у			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1174048MB1						
1,1,1-Trichloroethane	ND	ug/m3	1.1	5.5		
1,1,2,2-Tetrachloroethane	ND	ug/m3	4.1	6.9		
1,1,2-Trichloroethane	ND	ug/m3	1.7	5.5		
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.1	7.7		
1,1-Dichloroethane	ND	ug/m3	1.2	4.1		
1,1-Dichloroethene	ND	ug/m3	2.4	4		
1,2,4-Trichlorobenzene	ND	ug/m3	3.7	7.4		
1,2,4-Trimethylbenzene	ND	ug/m3	2	4.9		
1,2-Dibromoethane	ND	ug/m3	3.9	7.7		
1,2-Dichlorobenzene	ND	ug/m3	36	60		
1,2-Dichloroethane	ND	ug/m3	1.6	4.1		
1,2-Dichloropropane	ND	ug/m3	1.8	4.6		
1,3,5-Trimethylbenzene	ND	ug/m3	4.9	4.9		
1,3-Dichlorobenzene	ND	ug/m3	3.6	6		
1,4-Dichlorobenzene	ND	ug/m3	3.6	6		
4-Ethyltoluene	ND	ug/m3	2.5	4.9		
Benzene	ND	ug/m3	1	3.2		
Bromodichloromethane	ND	ug/m3	2.7	6.7		
Bromoform	ND	ug/m3	4.1	10.3		
Bromomethane	ND	ug/m3	3.1	3.9		
Carbon Tetrachloride	ND	ug/m3	1.9	6.3		
Chlorobenzene	ND	ug/m3	1.8	4.6		
Chlorodibromomethane	ND	ug/m3	3.4	8.5		
Chloroethane	ND	ug/m3	13	13		
Chloroform	ND	ug/m3	4.9	4.9		
Chloromethane	ND	ug/m3	10.5	10.5		
cis-1,2-Dichloroethene	ND	ug/m3	3.2	4		
cis-1,3-dichloropropene	ND	ug/m3	1.8	4.5		
Dichlorodifluoromethane	ND	ug/m3	2.5	4.9		
Ethylbenzene	ND	ug/m3	1.7	4.3		
m and p-Xylene	ND	ug/m3	1.7	4.3		
Methylene chloride	ND	ug/m3	3.5	3.5		
Methyl-t-butyl Ether (MTBE)	ND	ug/m3	1.4	3.6		
o-Xylene	ND	ug/m3	2.2	4.3		
Styrene	ND	ug/m3	1.3	4.3		
Tetrachloroethene	ND	ug/m3	2.7	6.8		
Toluene	ND	ug/m3	1.5	3.8		
trans-1,2-dichloroethene	ND	ug/m3	3.2	4		
trans-1,3-dichloropropene	ND	ug/m3	1.2	4		
Trichloroethene	ND	ug/m3	1.6	5.4		
Trichlorofluoromethane	ND	ug/m3	1.7	5.6		
Vinyl Chloride	ND	ug/m3	1	2.6		
Xylenes (Total)	ND	ug/m3	2.2	4.3		

QCBatchID: QC1174048 Analyst: DPhan Method: EPA 8260B Matrix: Air **Analyzed:** 01/05/2017 Instrument: VOA-MS (group)

	Dup	olicate Summa	ary			
	Sample	Duplicate			Limits	
Analyte	Amount	Amount	Units	RPD	RPD	Notes
QC1174048DUP1	<u>'</u>	•	-		'	Source: 385824-008
1,2,4-Trimethylbenzene	ND	ND	ug/m3	0.0	20	
1,3,5-Trimethylbenzene	ND	ND	ug/m3	0.0	20	
4-Ethyltoluene	ND	3.7	ug/m3	200.0	20	D
Benzene	ND	ND	ug/m3	0.0	20	
Ethylbenzene	ND	4.3	ug/m3	200.0	20	D
m and p-Xylene	13.0	15.2	ug/m3	15.6	20	
Methyl-t-butyl Ether (MTBE)	ND	ND	ug/m3	0.0	20	
o-Xylene	ND	4.3	ug/m3	200.0	20	D
Styrene	5.3	5.3	ug/m3	0.0	20	
Tetrachloroethene	10.2	11.9	ug/m3	15.4	20	
Toluene	11.3	11.3	ug/m3	0.0	20	
Trichloroethene	ND	ND	ug/m3	0.0	20	
Trichlorofluoromethane	264	263	ug/m3	0.4	20	
Xylenes (Total)	16.3	19.5	ug/m3	17.9	20	

### **Data Qualifiers and Definitions**

### **Qualifiers**

A See Report Comments.

**B** Analyte was present in an associated method blank.

**B1** Analyte was present in a sample and associated method blank greater than MDL but less than RDL.

**BQ1** No valid test replicates. Sample Toxicity is possible. Best result was reported.

BQ2 No valid test replicates.

**BQ3** No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.

**C** Possible laboratory contamination.

**D** RPD was not within control limits. The sample data was reported without further clarification.

D1 Lesser amount of sample was used due to insufficient amount of sample supplied.

D2 Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting

limit.

**DW** Sample result is calculated on a dry weigh basis.

E Concentration is estimated because it exceeds the quantification limits of the method.

The sample was read outside of the method required incubation period.

J Reported value is estimated

L The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits.

Associated sample data was reported with qualifier.

M The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The

associated LCS and/or LCSD was within control limits and the sample data was reported without further

clarification.

M1 The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.

M2 The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or

LCSD was not within control limits. Sample result is estimated.

N1 Sample chromatography does not match the specified TPH standard pattern.

NC The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery

and limits do not apply.

P Sample was received without proper preservation according to EPA guidelines.

P1 Temperature of sample storage refrigerator was out of acceptance limits.

P2 The sample was preserved within 24 hours of collection in accordance with EPA 218.6.

Q1 Analyte Calibration Verification exceeds criteria. The result is estimated.

Q2 Analyte calibration was not verified and the result was estimated.

Q3 Analyte initial calibration was not available or exceeds criteria. The result was estimated.

**S** The surrogate recovery was out of control limits due to matrix interference. The associated method blank

surrogate recovery was within control limits and the sample data was reported without further clarification.

**S1** The associated surrogate recovery was out of control limits; result is estimated.

S2 The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds.

Surrogate recoveries in the associated batch QC met recovery criteria.

S3 Internal Standard did not meet recovery limits. Analyte concentration is estimated.

**T** Sample was extracted/analyzed past the holding time.

T1 Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).

T2 Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.

T3 Sample received and analyzed out of hold time per client's request.

T4 Sample was analyzed out of hold time per client's request.

T5 Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.

**T6** Hold time is indeterminable due to unspecified sampling time.

T7 Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

### **Definitions**

**DF** Dilution Factor

MDL Method Detection Limit. Result is reported ND when it is less than or equal to MDL.

**ND** Analyte was not detected or was less than the detection limit.

NR Not Reported. See Report Comments.

RDL Reporting Detection Limit

TIC Tentatively Identified Compounds



ENTHAL	ENTHALPHY ANALYTICAL, INC.	1		-	Chain of Custody Record	tody Rec	ord	Tur	n Around	Time (R	Turn Around Time (Rush by advanced notice only)	d notice only)
806 N. B	806 N. Batavia St., Orange, CA 92868	91		Lab No:	300	824		Standard:	×	4 Day:		3 Day:
Phone: (714) 771-6900	771-6900 Fax: (714)771-9933			Page:	1	of	1	2 Day:		1 Day:		Same Day:
Billing: Enthalpy - SoCal	Billing: Enthalpy - SoCal c/o Montrose Environmental Group	ENTH	4	\ <u>\</u>	Matrix: A = Air FL = Food Liquid F	FS	DW = Drinking Water = Food Solid L = Liqu	water L = Liquid	Pres	Preservatives:	$1 = Na_2 S_2 O_3$	2 = HCl 3 = HNO <sub>3</sub>
1 Park Plaza, Suit	1 Park Plaza, Suite 1000, Irvine, CA 92614	0	0		PP = Pure Product S = S SW = Swab W = Water		SeaW = = Wipe	SeaW = Sea Water = Wipe O = Other		4=4	4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH 6	6 = Other
บ	CUSTOMER INFORMATION		l d	PROJECT INF	INFORMATION			Analysis Request	equest		Test Instruction	Test Instructions / Comments
Company:	CES Group		Name:	Grant HS				200				
Report To:	Skye Green	-	Number:					-				
Email:	sgreen@cesgroup.co		P.O.#:	27016			0.00	-	(∀			
Address:	33353 Temecula Pkwy , Suite 104#333		Address:	13000 Oxnard St	ard St.		8,00		T <i>L</i> †/			
	Temecula, CA 92592			Los Angeles,	s, CA 91335		Pioito		T0B\			
Phone:	714-398-6363		Global ID:				-	-	09) s			
Fax:	951-848-9812	0,	Sampled By:	D. Baysa / R. Giles	3. Giles		2020	eoB)	-			
	Sample ID	Sampling Date	Sampling	g Matrix	Container No. / Size	Pres.	:03) bs9. )) sin9s7/	organoch et Hydro OCs (82	OBs (808)			
1 S1/SG1-5'		12/23/16	11:45 AM	4	1/1L			×	-			
2 \$1/\$61-10'		12/23/16	12:05 PM	4	1/1L			×				
3   \$2/\$62-5		12/23/16	1:30 PM	1 A	1/1L			×				
4   \$2/\$62-10'		12/23/16	1:50 PM	1 A	1/1L			×				
5 83/863-5		12/23/16	2:25 PM	A	1/11			×				
6   \$3/\$63-10'		12/23/16	2:35 PM	A	1/1L			×				
7   \$50/\$64-5		12/23/16	10:40 AM	A	1/1L			×				
8   \$50/\$64-10		12/23/16	11:05 AM	A	1/1L			×				
6												
10												
	Sig	Signature			Print Name			Company	/ Title		, Date	/ Time
<sup>1</sup> Relinquished By:	i By:	S M	1/	Q	Danny Baysa		CES (	Group/ Field Supervisor	d Superviso	or	31/tre/1	0:35
<sup>1</sup> Received By:	>		2	AN L	PASSILA			EA			12/24/16	10:35 AN
<sup>2</sup> Relinquished By:	l By:	7										
<sup>2</sup> Received By:												
<sup>3</sup> Relinquished By:	l By:											
<sup>3</sup> Received By:												



## SAMPLE ACCEPTANCE CHECKLIST

Section 1			
Client: CES GROUP Project: GRANT  Date Received: 12 24 16 Sampler's Name Present:	45		
Date Received: 12 24 16 Sampler's Name Present:	(es) No	0	
Sample(s) received in a cooler? Yes How many? No(skip section 2) Sa		np (°C):	
Sample Temp (°C) from each cooler: #1:#2:#3:	#4:		
(Acceptance range is 0 to 6°C or, for samples collected the same day as sample receipt, arrival on ice; For Microbiolo	gy sample 0	to 10°C or, fo	or samples
collected the same day as sample receipt, arrival on ice) Shipping Information: (CANISTERS)			
Section 2			
Was the cooler packed with: Ice Ice Packs Bubble Wrap	Styrofo	am	
Paper None Other			
Cooler Temp (°C): #1:#2:#3:	_#4:		
Section 3	YES	l NO l	N/A
Was a COC received?	1/		
Were sample IDs present?	11/		
Were sampling dates & times present?	1//	1	
Was a relinquished signature present?	1//		
Were the tests required clearly indicated?	1/		
Were custody seals present?		I/	
If Yes – were they intact?			V
Were all samples sealed in plastic bags?		V	
Did all samples arrive intact? If no, indicate below.	1/		100 mm (100 mm)
Did all bottle labels agree with COC? (ID, dates and times)	10		
Were correct containers used for the tests required?	0		
Was a sufficient amount of sample sent for tests indicated?	6		
Was there headspace in VOA vials?			V
Were the containers labeled with correct preservatives?			6
Section 4			
Explanations/Comments:		NACE SAVESTIVE SUSSESSES SAVESTIVE	
Section 5			
For discrepancies, how was the Project Manager notified? Verbal PM Initials:	Date	/Time_	
Email (email sent to/o			
Project Manager's response:			
/ Was /			
Completed By:		and a supplementary of the sup	TACABAGA BALANDA SE ASILIMBAN MARTINI

## **Ranjit Clarke**

From: Skye Green <sgreen@cesgroup.co>
Sent: Tuesday, January 10, 2017 10:06 AM

**To:** Ranjit Clarke **Subject:** Vapor results

### Hi Ranjit,

Can you revise the result for Grant so that the vapor results are in ug/m3? And the same for Francis Polytechnic when you report those? I need to compare to CHHSLs and they are in ug/m3. Thank you,

## Skye Green, P.E.

CES Group, Inc. CES/Novacom/ERG 951-808-8585 office 714-398-6363 mobile 951-848-9812 fax sgreen@cesgroup.co www.cesgroup.co





# **Enthalpy Analytical, Inc.**

Formerly Associated Labs 806 N. Batavia - Orange, CA 92868 Tel: (714)771-6900 Fax: (714)538-1209 www.associatedlabs.com info-sc@enthalpy.com

Client: CES Group, Inc.

Address: 33353 Temecula Pkwy.

Suite 104 #333 Temecula, CA 92592

Attn: Skye Green

Comments: Grant HS

PO# 27016

13000 Oxnard St., Los Angeles, CA 91335

Supplemental Report 4



Lab Request: 385825
Report Date: 02/09/2017
Date Received: 12/24/2016
Client ID: 15581

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

	·				
Sample #	Client Sample ID	Sample #	Client Sample ID	Sample #	Client Sample ID
385825-001	S4-0.5 <sup>'</sup>	385825-025	S12-0.5'	385825-049	S20-0.5'
385825-002	S4-1.5'	385825-026	S12-1.5'	385825-050	S20-1.5'
385825-003	S4-2.5'	385825-027	S12-2.5'	385825-051	S20-2.5'
385825-004	S5-0.5 <sup>'</sup>	385825-028	S13-0.5'	385825-052	S21-0.5'
385825-005	S5-1.5'	385825-029	S13-1.5'	385825-053	S21-1.5'
385825-006	S5-2.5'	385825-030	S13-2.5'	385825-054	S21-2.5'
385825-007	S6-0.5'	385825-031	S14-0.5'	385825-055	S22-0.5'
385825-008	S6-1.5'	385825-032	S14-1.5'	385825-056	S22-1.5'
385825-009	S6-2.5'	385825-033	S14-2.5'	385825-057	S22-2.5'
385825-010	S7-0.5'	385825-034	S15-0.5'	385825-058	S23-0.5'
385825-011	S7-1.5'	385825-035	S15-1.5'	385825-059	S23-1.5'
385825-012	S7-2.5 <sup>'</sup>	385825-036	S15-2.5'	385825-060	S23-2.5'
385825-013	S8-0.5'	385825-037	S16-0.5'	385825-061	S24-0.5'
385825-014	S8-1.5'	385825-038	S16-1.5'	385825-062	S24-1.5'
385825-015	S8-2.5'	385825-039	S16-2.5'	385825-063	S24-2.5'
385825-016	S9-0.5'	385825-040	S17-0.5'	385825-064	S25-0.5'
385825-017	S9-1.5'	385825-041	S17-1.5'	385825-065	S25-1.5'
385825-018	S9-2.5'	385825-042	S17-2.5'	385825-066	S25-2.5'
385825-019	S10-0.5'	385825-043	S18-0.5'	385825-067	S26-0.5'
385825-020	S10-1.5'	385825-044	S18-1.5'	385825-068	S26-1.5'
385825-021	S10-2.5'	385825-045	S18-2.5'	385825-069	S26-2.5'
385825-022	S11-0.5'	385825-046	S19-0.5'	385825-070	S27-0.5'
385825-023	S11-1.5'	385825-047	S19-1.5'	385825-071	S27-1.5'
385825-024	S11-2.5'	385825-048	S19-2.5'	385825-072	S27-2.5'

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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Sampled: 12/23/2016 08:55 Site:

Sample #: 385825-001 Client Sample #: S4-0.5' Sample Type:

					31.			
Analyte	Result	DF MD	L RDL	Units	Prepared	Analyzed	l By	Notes
Method: EPA 8081A NELAC	Prep Method: EPA 3545					QCBatchl	D: Q	C1173682
4,4'-DDD	ND	1 0.00067	0.005	mg/Kg		12/25/16	LW	
4,4'-DDE	0.003 J	1 0.00057	0.005	mg/Kg		12/25/16	LW	J
4,4'-DDT	0.002 J	1 0.00095	0.005	mg/Kg		12/25/16	LW	J
a-BHC	ND	1 0.0002	0.005	mg/Kg		12/25/16	LW	
Aldrin	ND	1 0.00034	0.005	mg/Kg		12/25/16	LW	
b-BHC	ND	1 0.0012	0.005	mg/Kg		12/25/16	LW	
Chlordane (technical)	0.024 J	1 0.012	0.05	mg/Kg		12/25/16	LW	J
d-BHC	ND	1 0.00045	0.005	mg/Kg		12/25/16	LW	
Dieldrin	0.001 J	1 0.00063	0.005	mg/Kg		12/25/16	LW	J
Endosulfan I	ND	1 0.00028	0.005	mg/Kg		12/25/16	LW	
Endosulfan II	ND	1 0.0008	0.005	mg/Kg		12/25/16	LW	
Endosulfan sulfate	ND	1 0.0017	0.005	mg/Kg		12/25/16	LW	
Endrin	ND	1 0.00062	0.005	mg/Kg		12/25/16	LW	
Endrin aldehyde	ND	1 0.0009	0.005	mg/Kg		12/25/16	LW	
Endrin Ketone	ND	1 0.0012	0.005	mg/Kg		12/25/16	LW	
Heptachlor	ND	1 0.00044	0.005	mg/Kg		12/25/16	LW	
Heptachlor epoxide	ND	1 0.00027	0.005	mg/Kg		12/25/16	LW	
Lindane (Gamma-BHC)	ND	1 0.0003	0.005	mg/Kg		12/25/16	LW	
Methoxychlor	ND	1 0.0052	0.05	mg/Kg		12/25/16	LW	
Toxaphene	ND	1 0.012	0.1	mg/Kg		12/25/16	LW	
<u>Surrogate</u>	<u>% Re</u>	ecovery	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	6-	4	50-150					
Tetrachloro-m-xylene TCMX (St	UR) 9	5	50-150					
Matrix: Solid	Client: CES Grou	p, Inc.		Col	lector: Client			

Sampled: 12/23/2016 09:00 Site:

Sample #: 385825-002 Client Sample #: S4-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Note	S
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 09:05

Sample #: 385825-003 Client Sample #: S4-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Sampled: 12/23/2016 08:00 Site:

Sample #: 385825-004 Client Sample #: S5-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	d By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatch	D: Q	C1173758
Lead		16.7	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 6020 NELAC	Prep Method:	EPA 3050B						QCBatch	D: Q	C1173862
Arsenic		6.76	10	0.2	3	mg/Kg	01/02/16	01/04/17	МН	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatch	D: Q	C1173682
4,4'-DDD		ND	1 (	0.00067	0.005	mg/Kg		12/25/16	LW	
4,4'-DDE		0.001 J	1 (	0.00057	0.005	mg/Kg		12/25/16	LW	J
4,4'-DDT		0.001 J	1 (	0.00095	0.005	mg/Kg		12/25/16	LW	J
a-BHC		ND	1	0.0002	0.005	mg/Kg		12/25/16	LW	
Aldrin		ND	1 (	0.00034	0.005	mg/Kg		12/25/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg		12/25/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg		12/25/16	LW	
d-BHC		ND	1 (	0.00045	0.005	mg/Kg		12/25/16	LW	
Dieldrin		ND	1 (	0.00063	0.005	mg/Kg		12/25/16	LW	
Endosulfan I		ND	1 (	0.00028	0.005	mg/Kg		12/25/16	LW	
Endosulfan II		ND	1	8000.0	0.005	mg/Kg		12/25/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg		12/25/16	LW	
Endrin		ND	1 (	0.00062	0.005	mg/Kg		12/25/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg		12/25/16	LW	
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg		12/25/16	LW	
Heptachlor		ND	1 (	0.00044	0.005	mg/Kg		12/25/16	LW	
Heptachlor epoxide		ND	1 (	0.00027	0.005	mg/Kg		12/25/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg		12/25/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg		12/25/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg		12/25/16	LW	
<u>Surrogate</u>		<u>% F</u>	Recover	<u>.</u>	Limits	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)			53		50-150					
Tetrachloro-m-xylene TCMX (SU	IR)		76		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 08:05 Site:

Sample #: 385825-005 Client Sample #: S5-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 08:10 Site:

Sample #: 385825-006 Client Sample #: S5-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 07:45 Site:

Sample #: 385825-007 Client Sample #: S6-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	I By	Notes
Method: EPA 6010B NELAC P	rep Method:	EPA 3050B						QCBatchl	D: Q	C1173758
Lead		44.6	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC P	rep Method:	EPA 3545						QCBatchl	D: Q	C1173682
4,4'-DDD		0.001 J	1	0.00067	0.005	mg/Kg		12/25/16	LW	J
4,4'-DDE		0.001 J	1	0.00057	0.005	mg/Kg		12/25/16	LW	J
4,4'-DDT		0.003 J	1	0.00095	0.005	mg/Kg		12/25/16	LW	J
a-BHC		ND	1	0.0002	0.005	mg/Kg		12/25/16	LW	
Aldrin		ND	1	0.00034	0.005	mg/Kg		12/25/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg		12/25/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg		12/25/16	LW	
d-BHC		ND	1	0.00045	0.005	mg/Kg		12/25/16	LW	
Dieldrin		ND	1	0.00063	0.005	mg/Kg		12/25/16	LW	
Endosulfan I		ND	1	0.00028	0.005	mg/Kg		12/25/16	LW	
Endosulfan II		ND	1	0.0008	0.005	mg/Kg		12/25/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg		12/25/16	LW	
Endrin		ND	1	0.00062	0.005	mg/Kg		12/25/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg		12/25/16	LW	
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg		12/25/16	LW	
Heptachlor		0.001 J	1	0.00044	0.005	mg/Kg		12/25/16	LW	J
Heptachlor epoxide		ND	1	0.00027	0.005	mg/Kg		12/25/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg		12/25/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg		12/25/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg		12/25/16	LW	
<u>Surrogate</u>		<u>% Re</u>	ecovei	ry	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		7	70		50-150					
Tetrachloro-m-xylene TCMX (SUR	?)	7	77		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 07:50 Site:

Sample #: 385825-008 Client Sample #: S6-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 07:55 Site:

Sample #: 385825-009 Client Sample #: S6-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 07:40 Site:

Sample #: 385825-010 Client Sample #: S7-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC F	Prep Method:	EPA 3050B						QCBatchII		C1173758
Lead		42.0	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 6020 NELAC F	rep Method:	EPA 3050B						QCBatchII	D: Q(	C1173862
Arsenic		6.96	10	0.2	3	mg/Kg	01/02/16	01/04/17	МН	
Method: EPA 8081A NELAC F	Prep Method:	EPA 3545						QCBatchII	D: Q(	C1173682
4,4'-DDD		0.003 J	1 (	0.00067	0.005	mg/Kg		12/25/16	LW	J
4,4'-DDE		0.002 J	1 (	0.00057	0.005	mg/Kg		12/25/16	LW	J
4,4'-DDT		0.002 J	1 (	0.00095	0.005	mg/Kg		12/25/16	LW	J
a-BHC		ND	1	0.0002	0.005	mg/Kg		12/25/16	LW	
Aldrin		ND	1 (	0.00034	0.005	mg/Kg		12/25/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg		12/25/16	LW	
Chlordane (technical)		0.027 J	1	0.012	0.05	mg/Kg		12/25/16	LW	J
d-BHC		ND	1 (	0.00045	0.005	mg/Kg		12/25/16	LW	
Dieldrin		ND	1 (	0.00063	0.005	mg/Kg		12/25/16	LW	
Endosulfan I		ND	1 (	0.00028	0.005	mg/Kg		12/25/16	LW	
Endosulfan II		ND	1	8000.0	0.005	mg/Kg		12/25/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg		12/25/16	LW	
Endrin		ND	1 (	0.00062	0.005	mg/Kg		12/25/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg		12/25/16	LW	
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg		12/25/16	LW	
Heptachlor		ND	1 (	0.00044	0.005	mg/Kg		12/25/16	LW	
Heptachlor epoxide		ND	1 (	0.00027	0.005	mg/Kg		12/25/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg		12/25/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg		12/25/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg		12/25/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecover	<u> </u>	<u>Limits</u>	Notes				
Decachlorobiphenyl DCB (SUR)			68		50-150					
Tetrachloro-m-xylene TCMX (SUF	₹)		79		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

**Sampled:** 12/23/2016 07:55 Site:

Sample #: 385825-011 Sample Type: Client Sample #: S7-1.5'

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	otes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 08:00 Site:

Sample #: 385825-012 Client Sample #: S7-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes	
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 08:20 Site:

Sample #: 385825-013 Client Sample #: S8-0.5' Sample Type:

Analyt			Result	DF	MDL	RDL	Units	Prepared	Analyzed		Notes
Method: I	EPA 6010B NELAC	Prep Method:	EPA 1311/301	10A					QCBatch		C1174191
Lead			0.681	1	0.004	0.05	mg/L	01/10/17	01/10/17	KLN	
Method: I	EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatch	D: Q	C1173758
Lead			335	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: I	EPA 6010B NELAC	Prep Method:	STLC						QCBatch	ID: Q	C1174165
Lead			41.3	10	0.12	0.15	mg/L	01/09/17	01/10/17	KLN	
Method: I	EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatch	D: Q	C1173682
4,4'-DDI	D		ND	1 (	0.00067	0.005	mg/Kg		12/25/16	LW	
4,4'-DDI	E		0.003 J	1 (	0.00057	0.005	mg/Kg		12/25/16	LW	J
4,4'-DD	Т		0.002 J	1 (	0.00095	0.005	mg/Kg		12/25/16	LW	J
a-BHC			ND	1	0.0002	0.005	mg/Kg		12/25/16	LW	
Aldrin			ND	1 (	0.00034	0.005	mg/Kg		12/25/16	LW	
b-BHC			ND	1	0.0012	0.005	mg/Kg		12/25/16	LW	
Chlorda	ane (technical)		0.026 J	1	0.012	0.05	mg/Kg		12/25/16	LW	J
d-BHC			ND	1 (	0.00045	0.005	mg/Kg		12/25/16	LW	
Dieldrin			ND	1 (	0.00063	0.005	mg/Kg		12/25/16	LW	
Endosul	lfan I		ND	1 (	0.00028	0.005	mg/Kg		12/25/16	LW	
Endosul	lfan II		ND	1	0.0008	0.005	mg/Kg		12/25/16	LW	
Endosul	lfan sulfate		ND	1	0.0017	0.005	mg/Kg		12/25/16	LW	
Endrin			ND	1 (	0.00062	0.005	mg/Kg		12/25/16	LW	
Endrin a	aldehyde		ND	1	0.0009	0.005	mg/Kg		12/25/16	LW	
Endrin k	Ketone		ND	1	0.0012	0.005	mg/Kg		12/25/16	LW	
Heptach	nlor		ND	1 (	0.00044	0.005	mg/Kg		12/25/16	LW	
Heptach	nlor epoxide		ND	1 (	0.00027	0.005	mg/Kg		12/25/16	LW	
Lindane	(Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg		12/25/16	LW	
Methoxy	chlor		ND	1	0.0052	0.05	mg/Kg		12/25/16	LW	
Toxaphe	ene		ND	1	0.012	0.1	mg/Kg		12/25/16	LW	
Surro	<u>gate</u>		<u>% Re</u>	ecover	Y	<u>Limits</u>	<u>Notes</u>				
Deca	 chlorobiphenyl DCB (SU	IR)	· ·	50	=	50-150					
	chloro-m-xylene TCMX (	,	6	50		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Site: Sampled: 12/23/2016 08:25

Sample #: 385825-014 Client Sample #: S8-1.5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050B						QCBatchl	D: QC1174225
Lead	6.18	1	0.32	0.5	ma/Ka	01/11/17	01/13/17	JN

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 08:30 Site:

Sample #: 385825-015 Client Sample #: S8-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 09:00 Site:

Sample #: 385825-016 Client Sample #: S9-0.5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	d By	Notes
Method: EPA 6010B NELAC Prep Method:	EPA 1311/301	0A					QCBatch	ID: QC	1174191
Lead	0.032 J	1	0.004	0.05	mg/L	01/10/17	01/10/17	KLN	J
Method: EPA 6010B NELAC Prep Method:	EPA 3050B						QCBatch	ID: QC	1173758
Lead	106	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 6010B NELAC Prep Method:	STLC						QCBatch	ID: QC	1174165
Lead	6.06	10	0.12	0.15	mg/L	01/09/17	01/10/17	KLN	
Method: EPA 6020 NELAC Prep Method:	EPA 3050B						QCBatch	ID: QC	1173862
Arsenic	10.7	10	0.2	3	mg/Kg	01/02/16	01/04/17	МН	
Method: EPA 8081A NELAC Prep Method:	EPA 3545						QCBatch	ID: QC	21173682
4,4'-DDD	ND	1 0	.00067	0.005	mg/Kg		12/25/16	LW	
4,4'-DDE	0.092	10	0.0057	0.05	mg/Kg		12/26/16	LW	
4,4'-DDT	0.012 J	5 0	.00475	0.025	mg/Kg		12/26/16	LW	J
a-BHC	ND	1	0.0002	0.005	mg/Kg		12/25/16	LW	
Aldrin	ND	1 0	.00034	0.005	mg/Kg		12/25/16	LW	
b-BHC	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW	
Chlordane (technical)	0.450	5	0.06	0.25	mg/Kg		12/26/16	LW	
d-BHC	ND	1 0	.00045	0.005	mg/Kg		12/25/16	LW	
Dieldrin	0.011 J	5 0	.00315	0.025	mg/Kg		12/26/16	LW	J
Endosulfan I	ND	1 0	.00028	0.005	mg/Kg		12/25/16	LW	
Endosulfan II	ND	1	8000.0	0.005	mg/Kg		12/25/16	LW	
Endosulfan sulfate	ND	1	0.0017	0.005	mg/Kg		12/25/16	LW	
Endrin	ND	1 0	.00062	0.005	mg/Kg		12/25/16	LW	
Endrin aldehyde	ND	1	0.0009	0.005	mg/Kg		12/25/16	LW	
Endrin Ketone	ND	1	0.0012	0.005	mg/Kg		12/25/16	LW	
Heptachlor	0.001 J	1 0	.00044	0.005	mg/Kg		12/25/16	LW	J
Heptachlor epoxide	0.003 J	1 0	.00027	0.005	mg/Kg		12/25/16	LW	J
Lindane (Gamma-BHC)	ND	1	0.0003	0.005	mg/Kg		12/25/16	LW	
Methoxychlor	ND	1	0.0052	0.05	mg/Kg		12/25/16	LW	
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/25/16	LW	
<u>Surrogate</u>	<u>% Re</u>	covery	<u>'</u>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	6	8		50-150					
Tetrachloro-m-xylene TCMX (SUR)	8	9		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 09:05

Sample #: 385825-017 Client Sample #: S9-1.5' Sample Type:

Anal	yte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	EPA 6010B NELAC	Prep Method: EPA 3050B						QCBatchID: QC1174225
Lead		65.5	1	0.32	0.5	mg/Kg	01/11/17	01/13/17 JN
Method:	EPA 6010B NELAC	Prep Method: STLC						QCBatchID: QC1174723
Lead		2.88	10	0.12	0.15	mg/L	01/25/17	01/26/17 JN

Client: CES Group, Inc. Collector: Client Matrix: Solid Sampled: 12/23/2016 09:10 Site: Sample #: 385825-018 Client Sample #: S9-2.5' Sample Type: **Analyte** Result DF MDL **RDL Units Prepared** Analyzed By **Notes** Method: EPA 6010B NELAC Prep Method: EPA 1311/3010A QCBatchID: QC1175179 ND 0.004 0.05 02/08/17 02/09/17 Lead 1 mg/L JN Prep Method: EPA 3050B Method: EPA 6010B NELAC QCBatchID: QC1174444 Lead 62.0 0.32 01/18/17 01/19/17 JN 1 0.5 mg/Kg Method: EPA 6010B NELAC Prep Method: STLC QCBatchID: QC1174909 Lead 7.40 10 0.12 0.15 02/01/17 02/01/17 JN mg/L Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 12/23/2016 08:10 Site: Sample #: 385825-019 Client Sample #: S10-0.5' Sample Type: **Analyte** Result DF **MDL RDL Units Prepared** Analyzed By **Notes** Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1173758 0.32 12/28/16 12/29/16 Lead 49.8 0.5 mg/Kg JN. Prep Method: EPA 3545 Method: EPA 8081A NELAC QCBatchID: QC1173682 4,4'-DDD ND 1 0.00067 0.005 mg/Kg 12/25/16 LW 4,4'-DDE 0.029 J 10 0.0057 0.05 mg/Kg 12/26/16 LW J 4,4'-DDT 0.004 J 1 0.00095 0.005 12/25/16 mg/Kg I W J. ND 0.0002 0.005 a-BHC mg/Kg 12/25/16 LW Aldrin ND 1 0.00034 0.005 12/25/16 LW mg/Kg b-BHC ND 0.0012 0.005 12/25/16 mg/Kg LW Chlordane (technical) 0.036 J 0.012 0.05 mg/Kg 12/25/16 LW J d-BHC ND 1 0.00045 0.005 mg/Kg 12/25/16 LW 1 0.00063 mg/Kg Dieldrin 0.003 J 0.005 12/25/16 LW Endosulfan I ND 1 0.00028 0.005 12/25/16 LW mg/Kg Endosulfan II ND 0.0008 0.005 mg/Kg 12/25/16 I \// Endosulfan sulfate ND 0.0017 0.005 mg/Kg 12/25/16 LW Endrin ND 1 0.00062 0.005 12/25/16 LW mg/Kg Endrin aldehyde ND 0.0009 0.005 12/25/16 mg/Kg LW ND 0.0012 0.005 **Endrin Ketone** mg/Kg 12/25/16 LW 1 0.00044 Heptachlor ND 0.005 mg/Kg 12/25/16 LW Heptachlor epoxide ND 1 0.00027 0.005 mg/Kg 12/25/16 LW Lindane (Gamma-BHC) ND 0.0003 0.005 12/25/16 LW mg/Kg ND 0.0052 Methoxychlor 0.05 mg/Kg 12/25/16 LW 12/25/16 Toxaphene ND 0.012 0.1 mg/Kg LW Surrogate % Recovery Limits **Notes** 96 50-150 Decachlorobiphenyl DCB (SUR) Tetrachloro-m-xylene TCMX (SUR) 82 50-150 Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 12/23/2016 08:15 Site: Sample #: 385825-020 Client Sample #: S10-1.5' Sample Type: **RDL** DF **MDL Units** Analyzed By **Notes Analyte** Result **Prepared** 

Method: Prep Method: QCBatchID: N/A N/A 1

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 08:20 Site:

Sample #: 385825-021 Client Sample #: S10-2.5' Sample Type:

DF **MDL RDL Units** Analyzed By **Notes** Analyte Result **Prepared** Method: Prep Method: QCBatchID: N/A N/A 1

Sampled: 12/23/2016 13:40 Site:

Sample #: 385825-022 Client Sample #: S11-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchl	D: Q	C1173758
Lead		14.2	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 6020 NELAC	Prep Method:	EPA 3050B						QCBatchl	D: Q	C1173862
Arsenic		3.39	10	0.2	3	mg/Kg	01/02/16	01/04/17	МН	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchl	D: Q	C1173682
4,4'-DDD		0.007 J	2 (	0.00134	0.01	mg/Kg		12/25/16	LW	J
4,4'-DDE		0.064 J	20	0.0114	0.1	mg/Kg		12/26/16	LW	J
4,4'-DDT		ND	2	0.0019	0.01	mg/Kg		12/25/16	LW	
a-BHC		ND	2	0.0004	0.01	mg/Kg		12/25/16	LW	
Aldrin		ND	2 (	0.00068	0.01	mg/Kg		12/25/16	LW	
b-BHC		ND	2	0.0024	0.01	mg/Kg		12/25/16	LW	
Chlordane (technical)		ND	2	0.024	0.1	mg/Kg		12/25/16	LW	
d-BHC		ND	2	0.0009	0.01	mg/Kg		12/25/16	LW	
Dieldrin		ND	2 (	0.00126	0.01	mg/Kg		12/25/16	LW	
Endosulfan I		ND	2 (	0.00056	0.01	mg/Kg		12/25/16	LW	
Endosulfan II		ND	2	0.0016	0.01	mg/Kg		12/25/16	LW	
Endosulfan sulfate		ND	2	0.0034	0.01	mg/Kg		12/25/16	LW	
Endrin		ND	2 (	0.00124	0.01	mg/Kg		12/25/16	LW	
Endrin aldehyde		ND	2	0.0018	0.01	mg/Kg		12/25/16	LW	
Endrin Ketone		ND	2	0.0024	0.01	mg/Kg		12/25/16	LW	
Heptachlor		ND	2 (	0.00088	0.01	mg/Kg		12/25/16	LW	
Heptachlor epoxide		ND	2 (	0.00054	0.01	mg/Kg		12/25/16	LW	
Lindane (Gamma-BHC)		ND	2	0.0006	0.01	mg/Kg		12/25/16	LW	
Methoxychlor		ND	2	0.0104	0.1	mg/Kg		12/25/16	LW	
Toxaphene		ND	2	0.024	0.2	mg/Kg		12/25/16	LW	
<u>Surrogate</u>		<u>% R</u> (	ecover	Y	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)			5 <i>0</i>	-	50-150					
Tetrachloro-m-xylene TCMX (SUI	R)	8	39		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

**Sampled**: 12/23/2016 13:45 **Site**:

Sample #: 385825-023 Client Sample #: S11-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By No	tes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

**Sampled:** 12/23/2016 13:50 **Site:** 

Sample #: 385825-024 Client Sample #: S11-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					



Sampled: 12/23/2016 13:55 Site:

Sample #: 385825-025 Client Sample #: S12-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	By Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchII	D: QC1173758
Lead		1.72	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchII	D: QC1173682
4,4'-DDD		ND	1 0.	.00067	0.005	mg/Kg		12/25/16	LW
4,4'-DDE		ND	1 0.	.00057	0.005	mg/Kg		12/25/16	LW
4,4'-DDT		ND	1 0	.00095	0.005	mg/Kg		12/25/16	LW
a-BHC		ND	1 (	0.0002	0.005	mg/Kg		12/25/16	LW
Aldrin		ND	1 0	.00034	0.005	mg/Kg		12/25/16	LW
b-BHC		ND	1 (	0.0012	0.005	mg/Kg		12/25/16	LW
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg		12/25/16	LW
d-BHC		ND	1 0	.00045	0.005	mg/Kg		12/25/16	LW
Dieldrin		ND	1 0	.00063	0.005	mg/Kg		12/25/16	LW
Endosulfan I		ND	1 0	.00028	0.005	mg/Kg		12/25/16	LW
Endosulfan II		ND	1 (	8000.0	0.005	mg/Kg		12/25/16	LW
Endosulfan sulfate		ND	1 (	0.0017	0.005	mg/Kg		12/25/16	LW
Endrin		ND	1 0	.00062	0.005	mg/Kg		12/25/16	LW
Endrin aldehyde		ND	1 (	0.0009	0.005	mg/Kg		12/25/16	LW
Endrin Ketone		ND	1 (	0.0012	0.005	mg/Kg		12/25/16	LW
Heptachlor		ND	1 0	.00044	0.005	mg/Kg		12/25/16	LW
Heptachlor epoxide		ND	1 0	.00027	0.005	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)		ND	1 (	0.0003	0.005	mg/Kg		12/25/16	LW
Methoxychlor		ND	1 (	0.0052	0.05	mg/Kg		12/25/16	LW
Toxaphene		ND	1	0.012	0.1	mg/Kg		12/25/16	LW
<u>Surrogate</u>		<u>% Re</u>	ecovery		<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)		4	18		50-150	S			
Tetrachloro-m-xylene TCMX (SU	JR)	5	50		50-150				

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 14:00 Site:

Sample #: 385825-026 Client Sample #: S12-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 14:05 Site:

Sample #: 385825-027 Client Sample #: S12-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	lotes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 15:40 Site:

Sample #: 385825-028 Client Sample #: S13-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	l By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatch	D: Q	C1173758
Lead		3.69	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 6020 NELAC	Prep Method:	EPA 3050B						QCBatch	D: Q	C1173862
Arsenic		1.393 J	10	0.2	3	mg/Kg	01/02/16	01/04/17	МН	J
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatch	D: Q	C1173682
4,4'-DDD		ND	1 0	0.00067	0.005	mg/Kg		12/26/16	LW	
4,4'-DDE		0.001 J	1 0	0.00057	0.005	mg/Kg		12/26/16	LW	J
4,4'-DDT		ND	1 0	0.00095	0.005	mg/Kg		12/26/16	LW	
a-BHC		ND	1	0.0002	0.005	mg/Kg		12/26/16	LW	
Aldrin		ND	1 0	0.00034	0.005	mg/Kg		12/26/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg		12/26/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg		12/26/16	LW	
d-BHC		ND	1 0	0.00045	0.005	mg/Kg		12/26/16	LW	
Dieldrin		ND	1 0	0.00063	0.005	mg/Kg		12/26/16	LW	
Endosulfan I		ND	1 0	0.00028	0.005	mg/Kg		12/26/16	LW	
Endosulfan II		ND	1	8000.0	0.005	mg/Kg		12/26/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg		12/26/16	LW	
Endrin		ND	1 0	.00062	0.005	mg/Kg		12/26/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg		12/26/16	LW	
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg		12/26/16	LW	
Heptachlor		ND	1 0	0.00044	0.005	mg/Kg		12/26/16	LW	
Heptachlor epoxide		ND	1 0	0.00027	0.005	mg/Kg		12/26/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg		12/26/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg		12/26/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg		12/26/16	LW	
<u>Surrogate</u>		<u>% F</u>	Recovery	 	Limits	<u>Notes</u>	:			
Decachlorobiphenyl DCB (SUR)			36		50-150	S				
Tetrachloro-m-xylene TCMX (SU	IR)		71		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

**Sampled**: 12/23/2016 15:45 **Site**:

Sample #: 385825-029 Client Sample #: S13-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By No	tes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 15:50 Site:

Sample #: 385825-030 Client Sample #: S13-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes	
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 14:25 Site:

Sample #: 385825-031 Client Sample #: S14-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchl	D: Q	C1173758
Lead		6.38	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchl	D: Q	C1173682
4,4'-DDD		ND	1	0.00067	0.005	mg/Kg		12/25/16	LW	
4,4'-DDE		0.003 J	1	0.00057	0.005	mg/Kg		12/25/16	LW	J
4,4'-DDT		0.001 J	1	0.00095	0.005	mg/Kg		12/25/16	LW	J
a-BHC		ND	1	0.0002	0.005	mg/Kg		12/25/16	LW	
Aldrin		ND	1	0.00034	0.005	mg/Kg		12/25/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg		12/25/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg		12/25/16	LW	
d-BHC		ND	1	0.00045	0.005	mg/Kg		12/25/16	LW	
Dieldrin		0.002 J	1	0.00063	0.005	mg/Kg		12/25/16	LW	J
Endosulfan I		ND	1	0.00028	0.005	mg/Kg		12/25/16	LW	
Endosulfan II		ND	1	0.0008	0.005	mg/Kg		12/25/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg		12/25/16	LW	
Endrin		ND	1	0.00062	0.005	mg/Kg		12/25/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg		12/25/16	LW	
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg		12/25/16	LW	
Heptachlor		ND	1	0.00044	0.005	mg/Kg		12/25/16	LW	
Heptachlor epoxide		ND	1	0.00027	0.005	mg/Kg		12/25/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg		12/25/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg		12/25/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg		12/25/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecover	¥	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		4	49		50-150	S				
Tetrachloro-m-xylene TCMX (SL	JR)		55		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 14:30 Site:

Sample #: 385825-032 Client Sample #: S14-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Not	es
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 14:35 Site:

Sample #: 385825-033 Client Sample #: \$14-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	lotes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 08:45 Site:

Sample #: 385825-034 Client Sample #: S15-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchII	D: QC	1173758
Lead		1.38	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 6020 NELAC	Prep Method:	EPA 3050B						QCBatchII	D: QC	1173862
Arsenic		3.14	10	0.2	3	mg/Kg	01/02/16	01/04/17	МН	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchII	D: QC	1173682
4,4'-DDD		ND	1 0	.00067	0.005	mg/Kg		12/25/16	LW	
4,4'-DDE		ND	1 0	.00057	0.005	mg/Kg		12/25/16	LW	
4,4'-DDT		ND	1 0	.00095	0.005	mg/Kg		12/25/16	LW	
a-BHC		ND	1	0.0002	0.005	mg/Kg		12/25/16	LW	
Aldrin		ND	1 0	.00034	0.005	mg/Kg		12/25/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg		12/25/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg		12/25/16	LW	
d-BHC		ND	1 0	.00045	0.005	mg/Kg		12/25/16	LW	
Dieldrin		ND	1 0	.00063	0.005	mg/Kg		12/25/16	LW	
Endosulfan I		ND	1 0	.00028	0.005	mg/Kg		12/25/16	LW	
Endosulfan II		ND	1	8000.0	0.005	mg/Kg		12/25/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg		12/25/16	LW	
Endrin		ND	1 0	.00062	0.005	mg/Kg		12/25/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg		12/25/16	LW	
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg		12/25/16	LW	
Heptachlor		ND	1 0	.00044	0.005	mg/Kg		12/25/16	LW	
Heptachlor epoxide		ND	1 0	.00027	0.005	mg/Kg		12/25/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg		12/25/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg		12/25/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg		12/25/16	LW	
<u>Surrogate</u>		<u>% F</u>	Recovery	<u>.</u>	Limits	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)			44		50-150	S				
Tetrachloro-m-xylene TCMX (SU	IR)		57		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 08:50 Site:

Sample #: 385825-035 Client Sample #: S15-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By No	tes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

**Sampled:** 12/23/2016 08:55 **Site:** 

Sample #: 385825-036 Client Sample #: S15-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

**Sampled:** 12/23/2016 16:20 Site:

Sample #: 385825-037 Client Sample #: S16-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	By Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchII	D: QC1173758
Lead		13.1	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchII	D: QC1173682
4,4'-DDD		ND	5 (	0.00335	0.025	mg/Kg		12/25/16	LW
4,4'-DDE		ND	5 (	0.00285	0.025	mg/Kg		12/25/16	LW
4,4'-DDT		ND	5 (	0.00475	0.025	mg/Kg		12/25/16	LW
a-BHC		ND	5	0.001	0.025	mg/Kg		12/25/16	LW
Aldrin		ND	5	0.0017	0.025	mg/Kg		12/25/16	LW
b-BHC		ND	5	0.006	0.025	mg/Kg		12/25/16	LW
Chlordane (technical)		ND	5	0.06	0.25	mg/Kg		12/25/16	LW
d-BHC		ND	5 (	0.00225	0.025	mg/Kg		12/25/16	LW
Dieldrin		ND	5 (	0.00315	0.025	mg/Kg		12/25/16	LW
Endosulfan I		ND	5	0.0014	0.025	mg/Kg		12/25/16	LW
Endosulfan II		ND	5	0.004	0.025	mg/Kg		12/25/16	LW
Endosulfan sulfate		ND	5	0.0085	0.025	mg/Kg		12/25/16	LW
Endrin		ND	5	0.0031	0.025	mg/Kg		12/25/16	LW
Endrin aldehyde		ND	5	0.0045	0.025	mg/Kg		12/25/16	LW
Endrin Ketone		ND	5	0.006	0.025	mg/Kg		12/25/16	LW
Heptachlor		ND	5	0.0022	0.025	mg/Kg		12/25/16	LW
Heptachlor epoxide		ND	5 (	0.00135	0.025	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)		ND	5	0.0015	0.025	mg/Kg		12/25/16	LW
Methoxychlor		ND	5	0.026	0.25	mg/Kg		12/25/16	LW
Toxaphene		ND	5	0.06	0.5	mg/Kg		12/25/16	LW
<u>Surrogate</u>		<u>% Re</u>	ecover	¥	<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)		4	2		50-150	S			
Tetrachloro-m-xylene TCMX (St	JR)	7	6		50-150				

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 16:25 Site:

Sample #: 385825-038 Client Sample #: S16-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 16:30 Site:

Sample #: 385825-039 Client Sample #: S16-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	lotes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 09:30 Site:

Sample #: 385825-040 Client Sample #: S17-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	By Notes
Method: EPA 6010B NELAC Prep N	lethod:	EPA 3050B						QCBatchl	D: QC1173758
Lead		11.2	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 NELAC Prep N	lethod:	EPA 3050B						QCBatchl	D: QC1173862
Arsenic		5.06	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH
Method: EPA 8081A NELAC Prep M	lethod:	EPA 3545						QCBatchl	D: QC1173682
4,4'-DDD		ND	5 (	0.00335	0.025	mg/Kg		12/25/16	LW
4,4'-DDE		ND	5 (	0.00285	0.025	mg/Kg		12/25/16	LW
4,4'-DDT		ND	5 (	0.00475	0.025	mg/Kg		12/25/16	LW
a-BHC		ND	5	0.001	0.025	mg/Kg		12/25/16	LW
Aldrin		ND	5	0.0017	0.025	mg/Kg		12/25/16	LW
b-BHC		ND	5	0.006	0.025	mg/Kg		12/25/16	LW
Chlordane (technical)		ND	5	0.06	0.25	mg/Kg		12/25/16	LW
d-BHC		ND	5 (	0.00225	0.025	mg/Kg		12/25/16	LW
Dieldrin		ND	5 (	0.00315	0.025	mg/Kg		12/25/16	LW
Endosulfan I		ND	5	0.0014	0.025	mg/Kg		12/25/16	LW
Endosulfan II		ND	5	0.004	0.025	mg/Kg		12/25/16	LW
Endosulfan sulfate		ND	5	0.0085	0.025	mg/Kg		12/25/16	LW
Endrin		ND	5	0.0031	0.025	mg/Kg		12/25/16	LW
Endrin aldehyde		ND	5	0.0045	0.025	mg/Kg		12/25/16	LW
Endrin Ketone		ND	5	0.006	0.025	mg/Kg		12/25/16	LW
Heptachlor		ND	5	0.0022	0.025	mg/Kg		12/25/16	LW
Heptachlor epoxide		ND	5 (	0.00135	0.025	mg/Kg		12/25/16	LW
Lindane (Gamma-BHC)		ND	5	0.0015	0.025	mg/Kg		12/25/16	LW
Methoxychlor		ND	5	0.026	0.25	mg/Kg		12/25/16	LW
Toxaphene		ND	5	0.06	0.5	mg/Kg		12/25/16	LW
<u>Surrogate</u>		<u>% Re</u>	cover	У	<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)		5	3		50-150				
Tetrachloro-m-xylene TCMX (SUR)		7	9		50-150				

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 09:40 Site:

Sample #: 385825-041 Client Sample #: S17-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Not	es
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 09:45 Site:

Sample #: 385825-042 Client Sample #: S17-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes	
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 16:10 Site:

Sample #: 385825-043 Client Sample #: S18-0.5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	l By	Notes
Method: EPA 6010B NELAC Prep Meth	od: EPA 3050B						QCBatchl	D: Q	C1173758
Lead	32.1	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC Prep Meth	od: EPA 3545						QCBatchl	D: Q	C1173682
4,4'-DDD	ND	1 0.0	00067	0.005	mg/Kg		12/26/16	LW	
4,4'-DDE	0.001 J	1 0.0	00057	0.005	mg/Kg		12/26/16	LW	J
4,4'-DDT	0.001 J	1 0.0	00095	0.005	mg/Kg		12/26/16	LW	J
a-BHC	ND	1 0	0.0002	0.005	mg/Kg		12/26/16	LW	
Aldrin	ND	1 0.0	00034	0.005	mg/Kg		12/26/16	LW	
b-BHC	ND	1 0	0.0012	0.005	mg/Kg		12/26/16	LW	
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg		12/26/16	LW	
d-BHC	ND	1 0.0	00045	0.005	mg/Kg		12/26/16	LW	
Dieldrin	ND	1 0.0	00063	0.005	mg/Kg		12/26/16	LW	
Endosulfan I	ND	1 0.0	00028	0.005	mg/Kg		12/26/16	LW	
Endosulfan II	ND	1 0	8000.0	0.005	mg/Kg		12/26/16	LW	
Endosulfan sulfate	ND	1 0	0.0017	0.005	mg/Kg		12/26/16	LW	
Endrin	ND	1 0.0	00062	0.005	mg/Kg		12/26/16	LW	
Endrin aldehyde	ND	1 0	0.0009	0.005	mg/Kg		12/26/16	LW	
Endrin Ketone	ND	1 0	0.0012	0.005	mg/Kg		12/26/16	LW	
Heptachlor	ND	1 0.0	00044	0.005	mg/Kg		12/26/16	LW	
Heptachlor epoxide	ND	1 0.0	00027	0.005	mg/Kg		12/26/16	LW	
Lindane (Gamma-BHC)	ND	1 0	0.0003	0.005	mg/Kg		12/26/16	LW	
Methoxychlor	ND	1 0	0.0052	0.05	mg/Kg		12/26/16	LW	
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/26/16	LW	
<u>Surrogate</u>	<u>% Re</u>	covery		<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	4	2		50-150	S				
Tetrachloro-m-xylene TCMX (SUR)	8	0		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 16:15 Site:

Sample #: 385825-044 Client Sample #: S18-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 16:20 Site:

Sample #: 385825-045 Client Sample #: S18-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes	S
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 15:00 Site:

Sample #: 385825-046 Client Sample #: S19-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	d By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatch	ID: Q	C1173758
Lead		15.6	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 6020 NELAC	Prep Method:	EPA 3050B						QCBatch	ID: Q	C1173862
Arsenic		1.999 J	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH	J
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatch	ID: Q	C1173682
4,4'-DDD		ND	1 (	0.00067	0.005	mg/Kg		12/26/16	LW	
4,4'-DDE		0.002 J	1 (	0.00057	0.005	mg/Kg		12/26/16	LW	J
4,4'-DDT		0.001 J	1 (	0.00095	0.005	mg/Kg		12/26/16	LW	J
a-BHC		ND	1	0.0002	0.005	mg/Kg		12/26/16	LW	
Aldrin		ND	1 (	0.00034	0.005	mg/Kg		12/26/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg		12/26/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg		12/26/16	LW	
d-BHC		ND	1 (	0.00045	0.005	mg/Kg		12/26/16	LW	
Dieldrin		ND	1 (	0.00063	0.005	mg/Kg		12/26/16	LW	
Endosulfan I		ND	1 (	0.00028	0.005	mg/Kg		12/26/16	LW	
Endosulfan II		ND	1	0.0008	0.005	mg/Kg		12/26/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg		12/26/16	LW	
Endrin		ND	1 (	0.00062	0.005	mg/Kg		12/26/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg		12/26/16	LW	
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg		12/26/16	LW	
Heptachlor		ND	1 (	0.00044	0.005	mg/Kg		12/26/16	LW	
Heptachlor epoxide		ND	1 (	0.00027	0.005	mg/Kg		12/26/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg		12/26/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg		12/26/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg		12/26/16	LW	
<u>Surrogate</u>		<u>% F</u>	Recover	Υ Έ	<u>Limits</u>	Notes				
Decachlorobiphenyl DCB (SUR)			65		50-150					
Tetrachloro-m-xylene TCMX (SL	JR)		132		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 15:20 Site:

Sample #: 385825-047 Client Sample #: S19-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	otes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 15:25 Site:

Sample #: 385825-048 Client Sample #: S19-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes	
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 09:30 Site:

Sample #: 385825-049 Client Sample #: S20-0.5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC Prep Method:	EPA 3050B						QCBatchl	D: QC	21173758
Lead	12.7	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC Prep Method:	EPA 3545						QCBatchl	D: QC	21173682
4,4'-DDD	ND	1 0.	00067	0.005	mg/Kg		12/26/16	LW	
4,4'-DDE	ND	1 0.	00057	0.005	mg/Kg		12/26/16	LW	
4,4'-DDT	ND	1 0.	00095	0.005	mg/Kg		12/26/16	LW	
a-BHC	ND	1 (	0.0002	0.005	mg/Kg		12/26/16	LW	
Aldrin	ND	1 0.	00034	0.005	mg/Kg		12/26/16	LW	
b-BHC	ND	1 (	0.0012	0.005	mg/Kg		12/26/16	LW	
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg		12/26/16	LW	
d-BHC	ND	1 0.	00045	0.005	mg/Kg		12/26/16	LW	
Dieldrin	ND	1 0.	00063	0.005	mg/Kg		12/26/16	LW	
Endosulfan I	ND	1 0.	00028	0.005	mg/Kg		12/26/16	LW	
Endosulfan II	ND	1 (	8000.0	0.005	mg/Kg		12/26/16	LW	
Endosulfan sulfate	ND	1 (	0.0017	0.005	mg/Kg		12/26/16	LW	
Endrin	ND	1 0.	00062	0.005	mg/Kg		12/26/16	LW	
Endrin aldehyde	ND	1 (	0.0009	0.005	mg/Kg		12/26/16	LW	
Endrin Ketone	ND	1 (	0.0012	0.005	mg/Kg		12/26/16	LW	
Heptachlor	ND	1 0.	00044	0.005	mg/Kg		12/26/16	LW	
Heptachlor epoxide	ND	1 0.	00027	0.005	mg/Kg		12/26/16	LW	
Lindane (Gamma-BHC)	ND	1 (	0.0003	0.005	mg/Kg		12/26/16	LW	
Methoxychlor	ND	1 (	0.0052	0.05	mg/Kg		12/26/16	LW	
Toxaphene	ND	1	0.012	0.1	mg/Kg		12/26/16	LW	
<u>Surrogate</u>	<u>% Re</u>	covery		Limits	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	3	1		50-150	S				
Tetrachloro-m-xylene TCMX (SUR)	5	6		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 09:40 Site:

Sample #: 385825-050 Client Sample #: \$20-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Not	es
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 09:45 Site:

Sample #: 385825-051 Client Sample #: S20-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Sampled: 12/23/2016 15:55 Site:

Sample #: 385825-052 Client Sample #: S21-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyze	d By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatch	ID: QC	C1173758
Lead		27.5	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 6020 NELAC	Prep Method:	EPA 3050B						QCBatch	ID: Q0	C1173862
Arsenic		2.37 J	10	0.2	3	mg/Kg	01/02/16	01/04/17	МН	J
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatch	ID: QC	C1173682
4,4'-DDD		ND	2 0	.00134	0.01	mg/Kg		12/26/16	LW	
4,4'-DDE		0.007 J	2 0	.00114	0.01	mg/Kg		12/26/16	LW	J
4,4'-DDT		0.002 J	2	0.0019	0.01	mg/Kg		12/26/16	LW	J
a-BHC		ND	2	0.0004	0.01	mg/Kg		12/26/16	LW	
Aldrin		ND	2 0	.00068	0.01	mg/Kg		12/26/16	LW	
b-BHC		ND	2	0.0024	0.01	mg/Kg		12/26/16	LW	
Chlordane (technical)		ND	2	0.024	0.1	mg/Kg		12/26/16	LW	
d-BHC		ND	2	0.0009	0.01	mg/Kg		12/26/16	LW	
Dieldrin		ND	2 0	.00126	0.01	mg/Kg		12/26/16	LW	
Endosulfan I		ND	2 0	.00056	0.01	mg/Kg		12/26/16	LW	
Endosulfan II		ND	2	0.0016	0.01	mg/Kg		12/26/16	LW	
Endosulfan sulfate		ND	2	0.0034	0.01	mg/Kg		12/26/16	LW	
Endrin		ND	2 0	.00124	0.01	mg/Kg		12/26/16	LW	
Endrin aldehyde		ND	2	0.0018	0.01	mg/Kg		12/26/16	LW	
Endrin Ketone		ND	2	0.0024	0.01	mg/Kg		12/26/16	LW	
Heptachlor		ND	2 0	.00088	0.01	mg/Kg		12/26/16	LW	
Heptachlor epoxide		ND	2 0	.00054	0.01	mg/Kg		12/26/16	LW	
Lindane (Gamma-BHC)		ND	2	0.0006	0.01	mg/Kg		12/26/16	LW	
Methoxychlor		ND	2	0.0104	0.1	mg/Kg		12/26/16	LW	
Toxaphene		ND	2	0.024	0.2	mg/Kg		12/26/16	LW	
<u>Surrogate</u>		<u>% F</u>	Recovery	<u>.</u>	<u>Limits</u>	Notes	<u> </u>			
Decachlorobiphenyl DCB (SUR	")		18		50-150	S				
Tetrachloro-m-xylene TCMX (S	UR)		37		50-150	S	Matrix inte	rference.		

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 16:00 Site:

Sample #: 385825-053 Sample Type: Client Sample #: S21-1.5'

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 16:05 Site:

Sample #: 385825-054 Client Sample #: S21-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Sampled: 12/23/2016 09:40 Site:

Sample #: 385825-055 Client Sample #: S22-0.5' Sample Type:

Analyte		Result	DI	MDL	. RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchII	D: Q(	C1173758
Lead		16.9	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchII	D: Q(	C1173693
4,4'-DDD		ND	2.53	0.001675	0.0125	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDE		ND	2.53	0.001425	0.0125	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDT		ND	2.53	0.002375	0.0125	mg/Kg	12/27/16	12/28/16	LW	
a-BHC		ND	2.5	0.0005	0.0125	mg/Kg	12/27/16	12/28/16	LW	
Aldrin		ND	2.5	0.00085	0.0125	mg/Kg	12/27/16	12/28/16	LW	
b-BHC		ND	2.5	0.003	0.0125	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)		ND	2.5	0.03	0.125	mg/Kg	12/27/16	12/28/16	LW	
d-BHC		ND	2.53	0.001125	0.0125	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin		ND	2.5	0.001575	0.0125	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan I		ND	2.5	0.0007	0.0125	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II		ND	2.5	0.002	0.0125	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate		ND	2.5	0.00425	0.0125	mg/Kg	12/27/16	12/28/16	LW	
Endrin		ND	2.5	0.00155	0.0125	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde		ND	2.5	0.00225	0.0125	mg/Kg	12/27/16	12/28/16	LW	L
Endrin Ketone		ND	2.5	0.003	0.0125	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor		ND	2.5	0.0011	0.0125	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide		ND	2.5	0.000675	0.0125	mg/Kg	12/27/16	12/28/16	LW	
Lindane (Gamma-BHC)		ND	2.5	0.00075	0.0125	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor		ND	2.5	0.013	0.125	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene		ND	2.5	0.03	0.25	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>		<u>% F</u>	ecove	ry	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	)		66		50-150					
Tetrachloro-m-xylene TCMX (St	UR)		61		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 09:45 Site:

Sample #: 385825-056 Client Sample #: S22-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Not	es
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 09:50 Site:

Sample #: 385825-057 Client Sample #: S22-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	lotes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 09:50 Site:

Sample #: 385825-058 Client Sample #: S23-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchII	D: Q0	C1173758
Lead		6.71	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 6020 NELAC	Prep Method:	EPA 3050B						QCBatchII	D: Q0	C1173862
Arsenic		1.852 J	10	0.2	3	mg/Kg	01/02/16	01/04/17	МН	J
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchII	D: Q0	C1173693
4,4'-DDD		0.001 J	1 0	.00067	0.005	mg/Kg	12/27/16	12/28/16	LW	J
4,4'-DDE		0.002 J	1 0	.00057	0.005	mg/Kg	12/27/16	12/28/16	LW	J
4,4'-DDT		0.003 J	1 0	.00095	0.005	mg/Kg	12/27/16	12/28/16	LW	J
a-BHC		ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW	
Aldrin		ND	1 0	.00034	0.005	mg/Kg	12/27/16	12/28/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
d-BHC		ND	1 0	.00045	0.005	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin		ND	1 0	.00063	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan I		ND	1 0	.00028	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II		ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin		ND	1 0	.00062	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW	L
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor		ND	1 0	.00044	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide		ND	1 0	.00027	0.005	mg/Kg	12/27/16	12/28/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>		<u>% Re</u>	ecovery	<u>.</u>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR	2)	6	53		50-150					
Tetrachloro-m-xylene TCMX (S	UR)	7	77		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 09:55 Site:

Sample #: 385825-059 Client Sample #: S23-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Not	tes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:00 Site:

Sample #: 385825-060 Client Sample #: S23-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

**Sampled:** 12/23/2016 10:05 Site:

Sample #: 385825-061 Client Sample #: S24-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyze	d By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatch	ID: Q	C1173759
Lead		17.8	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatch	ID: Q	C1173693
4,4'-DDD		ND	50	0.0335	0.25	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDE		ND	50	0.0285	0.25	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDT		ND	50	0.0475	0.25	mg/Kg	12/27/16	12/28/16	LW	
a-BHC		ND	50	0.01	0.25	mg/Kg	12/27/16	12/28/16	LW	
Aldrin		ND	50	0.017	0.25	mg/Kg	12/27/16	12/28/16	LW	
b-BHC		ND	50	0.06	0.25	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)		ND	50	0.6	2.5	mg/Kg	12/27/16	12/28/16	LW	
d-BHC		ND	50	0.0225	0.25	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin		ND	50	0.0315	0.25	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan I		ND	50	0.014	0.25	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II		ND	50	0.04	0.25	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate		ND	50	0.085	0.25	mg/Kg	12/27/16	12/28/16	LW	
Endrin		ND	50	0.031	0.25	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde		ND	50	0.045	0.25	mg/Kg	12/27/16	12/28/16	LW	L
Endrin Ketone		ND	50	0.06	0.25	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor		ND	50	0.022	0.25	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide		ND	50	0.0135	0.25	mg/Kg	12/27/16	12/28/16	LW	
Lindane (Gamma-BHC)		ND	50	0.015	0.25	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor		ND	50	0.26	2.5	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene		ND	50	0.6	5	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecover	¥	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		2	24		50-150	S	Matrix inter	rference.		
Tetrachloro-m-xylene TCMX (SU	JR)	1	02		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:10 Site:

Sample #: 385825-062 Client Sample #: S24-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes	<u> </u>
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:18 Site:

Sample #: 385825-063 Client Sample #: S24-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	lotes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 10:45 Site:

Sample #: 385825-064 Client Sample #: S25-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchl	D: Q	C1173759
Lead		27.1	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 6020 NELAC	Prep Method:	EPA 3050B						QCBatchl	D: Q(	C1173862
Arsenic		1.868 J	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH	J
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchl	D: Q	C1173693
4,4'-DDD		ND	1	0.00067	0.005	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDE		0.001 J	1	0.00057	0.005	mg/Kg	12/27/16	12/28/16	LW	J
4,4'-DDT		0.001 J	1	0.00095	0.005	mg/Kg	12/27/16	12/28/16	LW	J
a-BHC		ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW	
Aldrin		ND	1	0.00034	0.005	mg/Kg	12/27/16	12/28/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
d-BHC		ND	1	0.00045	0.005	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin		0.002 J	1	0.00063	0.005	mg/Kg	12/27/16	12/28/16	LW	J
Endosulfan I		ND	1	0.00028	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II		ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin		ND	1	0.00062	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW	L
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor		ND	1	0.00044	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide		ND	1	0.00027	0.005	mg/Kg	12/27/16	12/28/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecove	r <u>y</u>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR	)		59		50-150					
Tetrachloro-m-xylene TCMX (S	UR)		69		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:50 Site:

Sample #: 385825-065 Client Sample #: S25-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By No	tes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:55 Site:

Sample #: 385825-066 Client Sample #: S25-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes	
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 10:40 Site:

Sample #: 385825-067 Client Sample #: S26-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	l By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchl	D: Q	C1173759
Lead		5.48	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchl	D: Q	C1173693
4,4'-DDD		ND	10	0.0067	0.05	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDE		ND	10	0.0057	0.05	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDT		ND	10	0.0095	0.05	mg/Kg	12/27/16	12/28/16	LW	
a-BHC		ND	10	0.002	0.05	mg/Kg	12/27/16	12/28/16	LW	
Aldrin		ND	10	0.0034	0.05	mg/Kg	12/27/16	12/28/16	LW	
b-BHC		ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)		ND	10	0.12	0.5	mg/Kg	12/27/16	12/28/16	LW	
d-BHC		ND	10	0.0045	0.05	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin		0.007 J	10	0.0063	0.05	mg/Kg	12/27/16	12/28/16	LW	J
Endosulfan I		ND	10	0.0028	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II		ND	10	0.008	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate		ND	10	0.017	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endrin		ND	10	0.0062	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde		ND	10	0.009	0.05	mg/Kg	12/27/16	12/28/16	LW	L
Endrin Ketone		ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor		ND	10	0.0044	0.05	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide		ND	10	0.0027	0.05	mg/Kg	12/27/16	12/28/16	LW	
Lindane (Gamma-BHC)		ND	10	0.003	0.05	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor		ND	10	0.052	0.5	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene		ND	10	0.12	1	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecover	Y	<u>Limits</u>	<u>Notes</u>			_	·
Decachlorobiphenyl DCB (SUR)		1	02		50-150					
Tetrachloro-m-xylene TCMX (St	JR)	•	82		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:45 Site:

Sample #: 385825-068 Client Sample #: S26-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:50 Site:

Sample #: 385825-069 Client Sample #: S26-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	lotes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 10:50 Site:

Sample #: 385825-070 Client Sample #: S27-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	By N	lotes
Method: EPA 6010B NELAC Prep	Method:	EPA 3050B						QCBatchII	D: QC1	173759
Lead		14.2	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 6020 NELAC Prep	Method:	EPA 3050B						QCBatchII	D: QC1	173862
Arsenic		3.14	10	0.2	3	mg/Kg	01/02/16	01/04/17	МН	
Method: EPA 8081A NELAC Prep	Method:	EPA 3545						QCBatchII	D: QC1	173693
4,4'-DDD		ND	1 (	0.00067	0.005	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDE		ND	1 (	0.00057	0.005	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDT		ND	1 (	0.00095	0.005	mg/Kg	12/27/16	12/28/16	LW	
a-BHC		ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW	
Aldrin		ND	1 (	0.00034	0.005	mg/Kg	12/27/16	12/28/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
d-BHC		ND	1 (	0.00045	0.005	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin		ND	1 (	0.00063	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan I		ND	1 (	0.00028	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II		ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin		ND	1 (	0.00062	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW	L
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor		ND	1 (	0.00044	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide		ND	1 (	0.00027	0.005	mg/Kg	12/27/16	12/28/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>		<u>% Re</u>	cover	<u>Y</u>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		6	7		50-150					
Tetrachloro-m-xylene TCMX (SUR)		6	6		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:55 Site:

Sample #: 385825-071 Sample Type: Client Sample #: S27-1.5'

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By No	tes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 11:00 Site:

Sample #: 385825-072 Client Sample #: S27-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes	5
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

**Sampled:** 12/23/2016 10:30 Site:

Sample #: 385825-073 Client Sample #: S28-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	d By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					-	QCBatch	D: Q	C1173759
Lead		10.6	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatch	D: Q	C1173693
4,4'-DDD		ND	10	0.0067	0.05	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDE		ND	10	0.0057	0.05	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDT		ND	10	0.0095	0.05	mg/Kg	12/27/16	12/28/16	LW	
a-BHC		ND	10	0.002	0.05	mg/Kg	12/27/16	12/28/16	LW	
Aldrin		ND	10	0.0034	0.05	mg/Kg	12/27/16	12/28/16	LW	
b-BHC		ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)		ND	10	0.12	0.5	mg/Kg	12/27/16	12/28/16	LW	
d-BHC		ND	10	0.0045	0.05	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin		ND	10	0.0063	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan I		ND	10	0.0028	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II		ND	10	0.008	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate		ND	10	0.017	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endrin		ND	10	0.0062	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde		ND	10	0.009	0.05	mg/Kg	12/27/16	12/28/16	LW	L
Endrin Ketone		ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor		ND	10	0.0044	0.05	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide		ND	10	0.0027	0.05	mg/Kg	12/27/16	12/28/16	LW	
Lindane (Gamma-BHC)		ND	10	0.003	0.05	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor		ND	10	0.052	0.5	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene		ND	10	0.12	1	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecover	<u>-</u> -	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)			76		50-150					
Tetrachloro-m-xylene TCMX (SU	JR)		66		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:35 Site:

Sample #: 385825-074 Client Sample #: S28-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Not	es
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:40 Site:

Sample #: 385825-075 Client Sample #: S28-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	lotes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sample #: 385825-076 Client Sample #: S29-0.5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC Prep Method:	EPA 3050B						QCBatchII	D: Q(	C1173759
Lead	6.82	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 6020 NELAC Prep Method:	EPA 3050B						QCBatchII	D: Q(	C1173862
Arsenic	2.99 J	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH	J
Method: EPA 8081A NELAC Prep Method:	EPA 3545						QCBatchII	D: Q0	C1173693
4,4'-DDD	ND	10	0.0067	0.05	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDE	ND	10	0.0057	0.05	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDT	ND	10	0.0095	0.05	mg/Kg	12/27/16	12/28/16	LW	
a-BHC	ND	10	0.002	0.05	mg/Kg	12/27/16	12/28/16	LW	
Aldrin	ND	10	0.0034	0.05	mg/Kg	12/27/16	12/28/16	LW	
b-BHC	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)	ND	10	0.12	0.5	mg/Kg	12/27/16	12/28/16	LW	
d-BHC	ND	10	0.0045	0.05	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin	ND	10	0.0063	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan I	ND	10	0.0028	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II	ND	10	0.008	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate	ND	10	0.017	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endrin	ND	10	0.0062	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde	ND	10	0.009	0.05	mg/Kg	12/27/16	12/28/16	LW	L
Endrin Ketone	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor	ND	10	0.0044	0.05	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide	ND	10	0.0027	0.05	mg/Kg	12/27/16	12/28/16	LW	
Lindane (Gamma-BHC)	ND	10	0.003	0.05	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor	ND	10	0.052	0.5	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene	ND	10	0.12	1	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>	<u>% Re</u>	ecovery	 <u>V</u>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	1	01		50-150					
Tetrachloro-m-xylene TCMX (SUR)	5	55		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:10 Site:

Sample #: 385825-077 Client Sample #: \$29-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	otes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sample #: 385825-078 Client Sample #: S29-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes	
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

**Sampled:** 12/23/2016 10:35 Site:

Sample #: 385825-079 Client Sample #: S30-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	d By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatch	ID: QC	C1173759
Lead		12.5	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatch	ID: QC	C1173693
4,4'-DDD		ND	10	0.0067	0.05	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDE		ND	10	0.0057	0.05	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDT		ND	10	0.0095	0.05	mg/Kg	12/27/16	12/28/16	LW	
a-BHC		ND	10	0.002	0.05	mg/Kg	12/27/16	12/28/16	LW	
Aldrin		ND	10	0.0034	0.05	mg/Kg	12/27/16	12/28/16	LW	
b-BHC		ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)		ND	10	0.12	0.5	mg/Kg	12/27/16	12/28/16	LW	
d-BHC		ND	10	0.0045	0.05	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin		ND	10	0.0063	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan I		ND	10	0.0028	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II		ND	10	0.008	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate		ND	10	0.017	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endrin		ND	10	0.0062	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde		ND	10	0.009	0.05	mg/Kg	12/27/16	12/28/16	LW	L
Endrin Ketone		ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor		ND	10	0.0044	0.05	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide		ND	10	0.0027	0.05	mg/Kg	12/27/16	12/28/16	LW	
Lindane (Gamma-BHC)		ND	10	0.003	0.05	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor		ND	10	0.052	0.5	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene		ND	10	0.12	1	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>		<u>% F</u>	Recover	Y	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	)		70		50-150					
Tetrachloro-m-xylene TCMX (St	UR)		47		50-150	S				

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:40 Site:

Sample #: 385825-080 Client Sample #: S30-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:45 Site:

Sample #: 385825-081 Client Sample #: S30-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Note	es
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 09:50 Site:

Sample #: 385825-082 Client Sample #: S31-0.5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	d By	Notes
Method: EPA 6010B NELAC Prep Method	d: EPA 3050B						QCBatch	ID: Q	C1173759
Lead	12.1	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 6020 NELAC Prep Method	d: EPA 3050B						QCBatch	ID: Q	C1173862
Arsenic	2.75 J	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH	J
Method: EPA 8081A NELAC Prep Method	d: EPA 3545						QCBatch	ID: Q	C1173693
4,4'-DDD	ND	10	0.0067	0.05	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDE	0.018 J	10	0.0057	0.05	mg/Kg	12/27/16	12/28/16	LW	J
4,4'-DDT	ND	10	0.0095	0.05	mg/Kg	12/27/16	12/28/16	LW	
a-BHC	ND	10	0.002	0.05	mg/Kg	12/27/16	12/28/16	LW	
Aldrin	ND	10	0.0034	0.05	mg/Kg	12/27/16	12/28/16	LW	
b-BHC	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)	ND	10	0.12	0.5	mg/Kg	12/27/16	12/28/16	LW	
d-BHC	ND	10	0.0045	0.05	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin	ND	10	0.0063	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan I	ND	10	0.0028	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II	ND	10	0.008	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate	ND	10	0.017	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endrin	ND	10	0.0062	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde	ND	10	0.009	0.05	mg/Kg	12/27/16	12/28/16	LW	L
Endrin Ketone	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor	ND	10	0.0044	0.05	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide	ND	10	0.0027	0.05	mg/Kg	12/27/16	12/28/16	LW	
Lindane (Gamma-BHC)	ND	10	0.003	0.05	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor	ND	10	0.052	0.5	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene	ND	10	0.12	1	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>	<u>% F</u>	Recover	<u> </u>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		109		50-150					
Tetrachloro-m-xylene TCMX (SUR)		47		50-150	S				

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sample #: 385825-083 Client Sample #: S31-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By No	tes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:00 Site:

Sample #: 385825-084 Client Sample #: S31-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes	
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 10:20 Site:

Sample #: 385825-085 Client Sample #: S32-0.5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC Prep Meth	od: EPA 3050B						QCBatchl	D: Q	C1173759
Lead	10.4	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC Prep Meth	od: EPA 3545						QCBatchl	D: Q	C1173693
4,4'-DDD	ND	10	0.0067	0.05	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDE	ND	10	0.0057	0.05	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDT	ND	10	0.0095	0.05	mg/Kg	12/27/16	12/28/16	LW	
a-BHC	ND	10	0.002	0.05	mg/Kg	12/27/16	12/28/16	LW	
Aldrin	ND	10	0.0034	0.05	mg/Kg	12/27/16	12/28/16	LW	
b-BHC	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)	ND	10	0.12	0.5	mg/Kg	12/27/16	12/28/16	LW	
d-BHC	ND	10	0.0045	0.05	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin	ND	10	0.0063	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan I	ND	10	0.0028	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II	ND	10	0.008	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate	ND	10	0.017	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endrin	ND	10	0.0062	0.05	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde	ND	10	0.009	0.05	mg/Kg	12/27/16	12/28/16	LW	L
Endrin Ketone	ND	10	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor	ND	10	0.0044	0.05	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide	ND	10	0.0027	0.05	mg/Kg	12/27/16	12/28/16	LW	
Lindane (Gamma-BHC)	ND	10	0.003	0.05	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor	ND	10	0.052	0.5	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene	ND	10	0.12	1	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>	<u>% R</u>	ecover	Y	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	1	58		50-150	S				
Tetrachloro-m-xylene TCMX (SUR)		70		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:25 Site:

Sample #: 385825-086 Client Sample #: S32-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By N	Notes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:30 Site:

Sample #: 385825-087 Client Sample #: S32-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By No	otes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 10:25 Site:

Sample #: 385825-088 Client Sample #: S33-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchII	D: Q(	C1173759
Lead		9.46	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 6020 NELAC	Prep Method:	EPA 3050B						QCBatchII	D: Q(	C1173862
Arsenic		3.00	10	0.2	3	mg/Kg	01/02/16	01/04/17	МН	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchII	D: Q(	C1173693
4,4'-DDD		ND	20	0.0134	0.1	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDE		ND	20	0.0114	0.1	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDT		ND	20	0.019	0.1	mg/Kg	12/27/16	12/28/16	LW	
a-BHC		ND	20	0.004	0.1	mg/Kg	12/27/16	12/28/16	LW	
Aldrin		ND	20	0.0068	0.1	mg/Kg	12/27/16	12/28/16	LW	
b-BHC		ND	20	0.024	0.1	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)		ND	20	0.24	1	mg/Kg	12/27/16	12/28/16	LW	
d-BHC		ND	20	0.009	0.1	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin		ND	20	0.0126	0.1	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan I		ND	20	0.0056	0.1	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II		ND	20	0.016	0.1	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate		ND	20	0.034	0.1	mg/Kg	12/27/16	12/28/16	LW	
Endrin		ND	20	0.0124	0.1	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde		ND	20	0.018	0.1	mg/Kg	12/27/16	12/28/16	LW	L
Endrin Ketone		ND	20	0.024	0.1	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor		ND	20	0.0088	0.1	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide		ND	20	0.0054	0.1	mg/Kg	12/27/16	12/28/16	LW	
Lindane (Gamma-BHC)		ND	20	0.006	0.1	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor		ND	20	0.104	1	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene		ND	20	0.24	2	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecover	 Υ	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUF	R)		322		50-150	S				
Tetrachloro-m-xylene TCMX (S	SUR)		69		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:30 Site:

Sample #: 385825-089 Client Sample #: S33-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By No	tes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 10:35 Site:

Sample #: 385825-090 Client Sample #: S33-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes	
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						_

**Sampled:** 12/23/2016 11:05 Site:

Sample #: 385825-091 Client Sample #: S52-0.5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC Prep Meth	od: EPA 3050B						QCBatchl	D: Q	C1173759
Lead	5.22	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC Prep Meth	od: EPA 3545						QCBatchl	D: Q	C1173693
4,4'-DDD	ND	1 0.	.00067	0.005	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDE	0.004 J	1 0	.00057	0.005	mg/Kg	12/27/16	12/28/16	LW	J
4,4'-DDT	ND	1 0.	.00095	0.005	mg/Kg	12/27/16	12/28/16	LW	
a-BHC	ND	1 (	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW	
Aldrin	ND	1 0	.00034	0.005	mg/Kg	12/27/16	12/28/16	LW	
b-BHC	ND	1 (	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
d-BHC	ND	1 0	.00045	0.005	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin	ND	1 0	.00063	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan I	ND	1 0	.00028	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II	ND	1 (	8000.0	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate	ND	1 (	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin	ND	1 0	.00062	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde	ND	1 (	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW	L
Endrin Ketone	ND	1 (	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor	ND	1 0.	.00044	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide	ND	1 0	.00027	0.005	mg/Kg	12/27/16	12/28/16	LW	
Lindane (Gamma-BHC)	ND	1 (	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor	ND	1 (	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>	<u>% Re</u>	ecovery		<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	7	73		50-150					
Tetrachloro-m-xylene TCMX (SUR)	8	39		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 11:08 Site:

Sample #: 385825-092 Client Sample #: S52-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Not	es
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 11:15 Site:

Sample #: 385825-093 Client Sample #: S52-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Note	es
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Sampled: 12/23/2016 11:10 Site:

Sample #: 385825-094 Client Sample #: S55-0.5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By Notes
Method: EPA 6010B NELAC Prep Method:	EPA 3050B						QCBatchI	D: QC1173759
Lead	2.31	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 6020 NELAC Prep Method:	EPA 3050B						QCBatchII	D: QC1173862
Arsenic	5.44	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH
Method: EPA 8081A NELAC Prep Method:	EPA 3545						QCBatchI	D: QC1173693
4,4'-DDD	ND	1 0.	.00067	0.005	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDE	ND	1 0	.00057	0.005	mg/Kg	12/27/16	12/28/16	LW
4,4'-DDT	ND	1 0	.00095	0.005	mg/Kg	12/27/16	12/28/16	LW
a-BHC	ND	1 (	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW
Aldrin	ND	1 0	.00034	0.005	mg/Kg	12/27/16	12/28/16	LW
b-BHC	ND	1 (	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW
d-BHC	ND	1 0.	.00045	0.005	mg/Kg	12/27/16	12/28/16	LW
Dieldrin	ND	1 0	.00063	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan I	ND	1 0.	.00028	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan II	ND	1 (	8000.0	0.005	mg/Kg	12/27/16	12/28/16	LW
Endosulfan sulfate	ND	1 (	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin	ND	1 0	.00062	0.005	mg/Kg	12/27/16	12/28/16	LW
Endrin aldehyde	ND	1 (	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW L
Endrin Ketone	ND	1 (	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor	ND	1 0	.00044	0.005	mg/Kg	12/27/16	12/28/16	LW
Heptachlor epoxide	ND	1 0	.00027	0.005	mg/Kg	12/27/16	12/28/16	LW
Lindane (Gamma-BHC)	ND	1 (	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW
Methoxychlor	ND	1 (	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW
<u>Surrogate</u>	<u>% Re</u>	covery	!	<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)	6	7		50-150				
Tetrachloro-m-xylene TCMX (SUR)	90	0		50-150				

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 11:15 Site:

Sample #: 385825-095 Client Sample #: \$55-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By No	tes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 11:20 Site:

Sample #: 385825-096 Client Sample #: S55-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes	
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						_

Sampled: 12/23/2016 08:40 Site:

Sample #: 385825-097 Client Sample #: S65-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchl	D: Q	C1173759
Lead		3.34	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 6020 NELAC	Prep Method:	EPA 3050B						QCBatchl	D: Q	C1173862
Arsenic		2.69 J	10	0.2	3	mg/Kg	01/02/16	01/04/17	МН	J
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchl	D: Q	C1173693
4,4'-DDD		ND	1 0	.00067	0.005	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDE		ND	1 0	.00057	0.005	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDT		ND	1 0	.00095	0.005	mg/Kg	12/27/16	12/28/16	LW	
a-BHC		ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW	
Aldrin		ND	1 0	.00034	0.005	mg/Kg	12/27/16	12/28/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
d-BHC		ND	1 0	.00045	0.005	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin		ND	1 0	.00063	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan I		ND	1 0	.00028	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II		ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin		ND	1 0	.00062	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW	L
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor		ND	1 0	.00044	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide		ND	1 0	.00027	0.005	mg/Kg	12/27/16	12/28/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>		<u>% R</u>	ecovery	<u>.</u>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (S	UR)		39		50-150	S				
Tetrachloro-m-xylene TCMX	(SUR)		49		50-150	S				

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 08:45 Site:

Sample #: 385825-098 Client Sample #: S65-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Not	tes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 08:49 Site:

Sample #: 385825-099 Client Sample #: S65-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes	
Method:	Prep Method:							QCBatchID:	_
N/A		N/A	1						_

Sampled: 12/23/2016 08:25 Site:

Sample #: 385825-100 Client Sample #: S66-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	l By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B					-	QCBatchl	D: Q	C1173759
Lead		27.4	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchl	D: Q	C1173693
4,4'-DDD		ND	1	0.00067	0.005	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDE		0.002 J	1	0.00057	0.005	mg/Kg	12/27/16	12/28/16	LW	J
4,4'-DDT		0.003 J	1	0.00095	0.005	mg/Kg	12/27/16	12/28/16	LW	J
a-BHC		ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW	
Aldrin		ND	1	0.00034	0.005	mg/Kg	12/27/16	12/28/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)		0.036 J	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	J
d-BHC		ND	1	0.00045	0.005	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin		0.002 J	1	0.00063	0.005	mg/Kg	12/27/16	12/28/16	LW	J
Endosulfan I		ND	1	0.00028	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II		ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin		ND	1	0.00062	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW	L
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor		ND	1	0.00044	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide		ND	1	0.00027	0.005	mg/Kg	12/27/16	12/28/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>		<u>% Re</u>	ecover	¥	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		7	73		50-150					
Tetrachloro-m-xylene TCMX (SU	R)	9	94		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sample #: 385825-101 Client Sample #: S66-1.5' Sample Type:

Analyte Result DF MDL RDL Units Prepared Analyzed By Notes

Method: Prep Method: QCBatchID:

N/A N/A 1

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/23/2016 08:34 Site:

Sample #: 385825-102 Client Sample #: S66-2.5' Sample Type:

Analyte Result DF MDL RDL Units Prepared Analyzed By Notes

Method: Prep Method: QCBatchID:

N/A N/A 1

**Sampled:** 12/23/2016 07:45 **Site:** 

Sample #: 385825-103 Client Sample #: S7D-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	d By	Notes
Method: EPA 6010B NELAC Pr	ep Method:	EPA 3050B						QCBatch	ID: Q	C1173759
Lead		38.9	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 6020 NELAC Pr	ep Method:	EPA 3050B						QCBatch	ID: Q	C1173862
Arsenic		5.79	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH	
Method: EPA 8081A NELAC Pr	ep Method:	EPA 3545						QCBatch	ID: Q	C1173693
4,4'-DDD		0.006	1 (	0.00067	0.005	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDE		0.005	1 (	0.00057	0.005	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDT		0.003 J	1 (	0.00095	0.005	mg/Kg	12/27/16	12/28/16	LW	J
a-BHC		ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW	
Aldrin		ND	1 (	0.00034	0.005	mg/Kg	12/27/16	12/28/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)		0.039 J	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	J
d-BHC		ND	1 (	0.00045	0.005	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin		0.002 J	1 (	0.00063	0.005	mg/Kg	12/27/16	12/28/16	LW	J
Endosulfan I		ND	1 (	0.00028	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II		ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin		ND	1 (	0.00062	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW	L
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor		ND	1 (	0.00044	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide		0.001 J	1 (	0.00027	0.005	mg/Kg	12/27/16	12/28/16	LW	J
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>		<u>% Re</u>	ecover	<b>y</b>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		6	69		50-150					
Tetrachloro-m-xylene TCMX (SUR)		g	99		50-150					

**Sampled:** 12/23/2016 09:35 **Site:** 

Sample #: 385825-104 Client Sample #: S17D-0.5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By Note	S
Method: EPA 6010B NELAC Prep Meth	od: EPA 3050B						QCBatchl	D: QC11737	59
Lead	10.9	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 6020 NELAC Prep Meth	od: EPA 3050B						QCBatchl	D: QC11738	62
Arsenic	7.04	10	0.2	3	mg/Kg	01/02/16	01/04/17	MH	
Method: EPA 8081A NELAC Prep Meth	od: EPA 3545						QCBatchl	D: QC11736	93
4,4'-DDD	ND	1 0.0	00067	0.005	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDE	ND	1 0.0	00057	0.005	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDT	ND	1 0.0	00095	0.005	mg/Kg	12/27/16	12/28/16	LW	
a-BHC	ND	1 0	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW	
Aldrin	ND	1 0.0	00034	0.005	mg/Kg	12/27/16	12/28/16	LW	
b-BHC	ND	1 0	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)	ND	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
d-BHC	ND	1 0.0	00045	0.005	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin	ND	1 0.0	00063	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan I	ND	1 0.0	00028	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II	ND	1 0	8000.0	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate	ND	1 0	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin	ND	1 0.0	00062	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde	ND	1 0	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW L	
Endrin Ketone	ND	1 0	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor	ND	1 0.0	00044	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide	ND	1 0.0	00027	0.005	mg/Kg	12/27/16	12/28/16	LW	
Lindane (Gamma-BHC)	ND	1 0	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor	ND	1 0	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene	ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>	<u>% R</u>	ecovery		Limits	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		40		50-150	S				
Tetrachloro-m-xylene TCMX (SUR)		71		50-150					

**Sampled:** 12/23/2016 09:35 **Site:** 

Sample #: 385825-105 Client Sample #: S20D-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	l By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchl	D: Q0	C1173759
Lead		9.46	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchl	D: Q0	C1173693
4,4'-DDD		ND	1 (	0.00067	0.005	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDE		0.007	1 (	0.00057	0.005	mg/Kg	12/27/16	12/28/16	LW	
4,4'-DDT		0.005	1 (	0.00095	0.005	mg/Kg	12/27/16	12/28/16	LW	
a-BHC		ND	1	0.0002	0.005	mg/Kg	12/27/16	12/28/16	LW	
Aldrin		ND	1 (	0.00034	0.005	mg/Kg	12/27/16	12/28/16	LW	
b-BHC		ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Chlordane (technical)		ND	1	0.012	0.05	mg/Kg	12/27/16	12/28/16	LW	
d-BHC		ND	1 (	0.00045	0.005	mg/Kg	12/27/16	12/28/16	LW	
Dieldrin		ND	1 (	0.00063	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan I		ND	1 (	0.00028	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan II		ND	1	0.0008	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endosulfan sulfate		ND	1	0.0017	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin		ND	1 (	0.00062	0.005	mg/Kg	12/27/16	12/28/16	LW	
Endrin aldehyde		ND	1	0.0009	0.005	mg/Kg	12/27/16	12/28/16	LW	L
Endrin Ketone		ND	1	0.0012	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor		ND	1 (	0.00044	0.005	mg/Kg	12/27/16	12/28/16	LW	
Heptachlor epoxide		ND	1 (	0.00027	0.005	mg/Kg	12/27/16	12/28/16	LW	
Lindane (Gamma-BHC)		ND	1	0.0003	0.005	mg/Kg	12/27/16	12/28/16	LW	
Methoxychlor		ND	1	0.0052	0.05	mg/Kg	12/27/16	12/28/16	LW	
Toxaphene		ND	1	0.012	0.1	mg/Kg	12/27/16	12/28/16	LW	
<u>Surrogate</u>		<u>% Re</u>	ecover	<u>Y</u>	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		4	17		50-150	S				
Tetrachloro-m-xylene TCMX (SU	R)	g	90		50-150					

Sample #: 385825-106 Client Sample #: Soil Drums Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyze		
Method: EPA 6010B NELAC	Prep Method:							QCBatch		1173759
Antimony		ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN	
Arsenic		6.02	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN	
Barium		116	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN	
Beryllium		ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN	
Cadmium		ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN	
Chromium		15.5	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Cobalt		9.60	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN	
Copper		17.7	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN	
Lead		9.47	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Molybdenum		ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Nickel		8.27	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN	
Selenium		ND	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN	
Silver		ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN	
Thallium		ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN	
Vanadium		38.0	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN	
Zinc		47.1	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 7471A NELAC	Prep Method:	EPA 7471A						QCBatch	ID: QC	1173955
Mercury		ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP	
Method: EPA 8015B NELAC	Prep Method:	EPA 3545						QCBatch	ID: QC	1173872
TPH Diesel		ND	1	0.4	1	mg/Kg	12/30/16	12/30/16	LT	
TPH Motor Oil		ND	1	2.1	5	mg/Kg	12/30/16	12/30/16	LT	
Surrogate		· · · · · · · · · · · · · · · · · · ·	<u>Recovery</u> 93	<u>′</u>	<u>Limits</u>	<u>Notes</u>				
Triacontane (SUR)			93		50-150					
Method: EPA 8015B NELAC	Prep Method:							QCBatch		1173807
TPH Gasoline		ND	1	0.159	3	mg/Kg		12/29/16	EW	
<u>Surrogate</u>		<u>% F</u>	Recovery	<u>′</u>	<u>Limits</u>	<u>Notes</u>				
4-Bromofluorobenzene (SUR)			91							
					60-140					
Method: EPA 8081A NELAC	Prep Method:	EPA 3545			60-140			QCBatch	ID: QC	1173693
Method: EPA 8081A NELAC 4,4'-DDD	Prep Method:	EPA 3545 ND	1 0	.00067	0.005	mg/Kg	12/27/16	QCBatch 12/28/16	ID: QC	1173693
	Prep Method:			.00067		mg/Kg mg/Kg	12/27/16 12/27/16			1173693 J
4,4'-DDD	Prep Method:	ND	1 0		0.005	mg/Kg		12/28/16	LW	
4,4'-DDD 4,4'-DDE 4,4'-DDT	Prep Method:	ND <b>0.001 J</b>	1 0 1 0	.00057	0.005 0.005	mg/Kg mg/Kg	12/27/16	12/28/16 12/28/16	LW LW	J
4,4'-DDD <b>4,4'-DDE</b>	Prep Method:	ND 0.001 J 0.002 J	1 0 1 0 1	.00057 .00095	0.005 0.005 0.005	mg/Kg mg/Kg mg/Kg	12/27/16 12/27/16	12/28/16 12/28/16 12/28/16	LW LW LW	J
4,4'-DDD <b>4,4'-DDE</b> <b>4,4'-DDT</b> a-BHC	Prep Method:	ND 0.001 J 0.002 J ND ND	1 0 1 0 1 1	.00057 .00095 0.0002 .00034	0.005 0.005 0.005 0.005 0.005	mg/Kg mg/Kg mg/Kg mg/Kg	12/27/16 12/27/16 12/27/16 12/27/16	12/28/16 12/28/16 12/28/16 12/28/16 12/28/16	LW LW LW LW	J
4,4'-DDD 4,4'-DDE 4,4'-DDT a-BHC Aldrin b-BHC	Prep Method:	ND 0.001 J 0.002 J ND ND ND	1 0 1 0 1 1	.00057 .00095 0.0002	0.005 0.005 0.005 0.005 0.005 0.005	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	12/27/16 12/27/16 12/27/16	12/28/16 12/28/16 12/28/16 12/28/16	LW LW LW	J
4,4'-DDD 4,4'-DDE 4,4'-DDT a-BHC Aldrin b-BHC Chlordane (technical)	Prep Method:	ND 0.001 J 0.002 J ND ND ND	1 0 1 0 1 0 1 0 1 1	.00057 .00095 0.0002 .00034 0.0012 0.012	0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16	12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16	LW LW LW LW LW	J
4,4'-DDD 4,4'-DDE 4,4'-DDT a-BHC Aldrin b-BHC Chlordane (technical) d-BHC	Prep Method:	ND 0.001 J 0.002 J ND ND ND ND	1 0 1 0 1 0 1 0 1 1 1 0	.00057 .00095 0.0002 .00034 0.0012 0.012	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16	12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16	LW LW LW LW LW LW LW	J
4,4'-DDD 4,4'-DDE 4,4'-DDT a-BHC Aldrin b-BHC Chlordane (technical) d-BHC Dieldrin	Prep Method:	ND 0.001 J 0.002 J ND ND ND ND ND ND ND	1 0 1 0 1 0 1 0 1 1 1 0	.00057 .00095 0.0002 .00034 0.0012 0.012 .00045	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16	12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16	LW LW LW LW LW LW LW	J
4,4'-DDD 4,4'-DDE 4,4'-DDT a-BHC Aldrin b-BHC Chlordane (technical) d-BHC Dieldrin Endosulfan I	Prep Method:	ND 0.001 J 0.002 J ND	1 0 1 0 1 0 1 0 1 1 1 0 1 0	.00057 .00095 0.0002 .00034 0.0012 0.012 .00045 .00063	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16	12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16	LW	J
4,4'-DDD 4,4'-DDE 4,4'-DDT a-BHC Aldrin b-BHC Chlordane (technical) d-BHC Dieldrin Endosulfan I Endosulfan II	Prep Method:	ND 0.001 J 0.002 J ND	1 0 1 0 1 1 1 0 1 1 1 0 1 0 1 0	.00057 .00095 0.0002 .00034 0.0012 0.012 .00045 .00063 .00028 0.0008	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16	12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16	LW	J
4,4'-DDD 4,4'-DDE 4,4'-DDT a-BHC Aldrin b-BHC Chlordane (technical) d-BHC Dieldrin Endosulfan I Endosulfan sulfate	Prep Method:	ND 0.001 J 0.002 J ND	1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0	.00057 .00095 0.0002 .00034 0.0012 0.012 .00045 .00063 .00028 0.0008	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16	12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16	LW	J
4,4'-DDD 4,4'-DDE 4,4'-DDT a-BHC Aldrin b-BHC Chlordane (technical) d-BHC Dieldrin Endosulfan I Endosulfan sulfate Endrin	Prep Method:	ND 0.001 J 0.002 J ND	1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0	.00057 .00095 0.0002 .00034 0.0012 0.012 .00045 .00063 .00028 0.0008 0.0017	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16	12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16	LW L	J J
4,4'-DDD 4,4'-DDE 4,4'-DDT a-BHC Aldrin b-BHC Chlordane (technical) d-BHC Dieldrin Endosulfan I Endosulfan sulfate Endrin Endrin aldehyde	Prep Method:	ND 0.001 J 0.002 J ND	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	.00057 .00095 0.0002 .00034 0.0012 0.012 .00045 .00063 .00028 0.0008 0.0017 .00062 0.0009	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16	12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16	LW L	J
4,4'-DDD 4,4'-DDE 4,4'-DDT a-BHC Aldrin b-BHC Chlordane (technical) d-BHC Dieldrin Endosulfan I Endosulfan sulfate Endrin Endrin aldehyde Endrin Ketone	Prep Method:	ND 0.001 J 0.002 J ND	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	.00057 .00095 0.0002 .00034 0.0012 0.012 .00045 .00063 .00028 0.0008 0.0017 .00062 0.0009 0.0012	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16	12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16	LW L	J J
4,4'-DDD 4,4'-DDE 4,4'-DDT a-BHC Aldrin b-BHC Chlordane (technical) d-BHC Dieldrin Endosulfan I Endosulfan sulfate Endrin Endrin aldehyde Endrin Ketone Heptachlor	Prep Method:	ND 0.001 J 0.002 J ND	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	.00057 .00095 0.0002 .00034 0.0012 0.012 .00045 .00063 .00028 0.0008 0.0017 .00062 0.0009 0.0012	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16	12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16	LW L	J J
4,4'-DDD 4,4'-DDE 4,4'-DDT a-BHC Aldrin b-BHC Chlordane (technical) d-BHC Dieldrin Endosulfan I Endosulfan II Endosulfan sulfate Endrin Endrin aldehyde Endrin Ketone Heptachlor Heptachlor epoxide	Prep Method:	ND 0.001 J 0.002 J ND	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	.00057 .00095 0.0002 .00034 0.0012 0.0012 .00045 .00063 .00028 0.0008 0.0017 .00062 0.0009 0.0012 .00044 .00027	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/Kg	12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16	12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16	LW L	J J
4,4'-DDD 4,4'-DDE 4,4'-DDT a-BHC Aldrin b-BHC Chlordane (technical) d-BHC Dieldrin Endosulfan I Endosulfan sulfate Endrin Endrin aldehyde Endrin Ketone Heptachlor	Prep Method:	ND 0.001 J 0.002 J ND	1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	.00057 .00095 0.0002 .00034 0.0012 0.012 .00045 .00063 .00028 0.0008 0.0017 .00062 0.0009 0.0012	0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16 12/27/16	12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16 12/28/16	LW L	J

**Sampled:** 12/23/2016 14:30 **Site:** 

Sample #: 385825-106 Client Sample #: Soil Drums Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
<u>Surrogate</u>	%	<u>Recovery</u>		<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		44		50-150	S				
Tetrachloro-m-xylene TCMX (SUR)		83		50-150					
Method: EPA 8082 NELAC Prep Method:	EPA 3545						QCBatchII	D: Q(	C1173791
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1242	ND	1 (	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1248	ND	1 (	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW	
<u>Surrogate</u>	%	Recovery		<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		73		50-150					
Method: EPA 8260B NELAC Prep Method:	EPA 5030						QCBatchII	D: Q(	C1173683
1,1,1,2-Tetrachloroethane	ND	1	0.24	5	ug/Kg		12/26/16	ZZ	
1,1,1-Trichloroethane	ND	1	0.15	5	ug/Kg		12/26/16	ZZ	
1,1,2,2-Tetrachloroethane	ND	1	0.29	5	ug/Kg		12/26/16	ZZ	
1,1,2-Trichloroethane	ND	1	0.22	5	ug/Kg		12/26/16	ZZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.74	5	ug/Kg		12/26/16	ZZ	
1,1-Dichloroethane	ND	1	0.23	5	ug/Kg		12/26/16	ZZ	
1,1-Dichloroethene	ND	1	0.18	5	ug/Kg		12/26/16	ZZ	
1,1-Dichloropropene	ND	1	0.21	5	ug/Kg		12/26/16	ZZ	
1,2,3-Trichlorobenzene	ND	1	0.18	5	ug/Kg		12/26/16	ZZ	
1,2,3-Trichloropropane	ND	1	0.2	5	ug/Kg		12/26/16	ZZ	
1,2,4-Trichlorobenzene	ND	1	0.33	5	ug/Kg		12/26/16	ZZ	
1,2,4-Trimethylbenzene	ND	1	0.28	5	ug/Kg		12/26/16	ZZ	
1,2-Dibromo-3-chloropropane	ND	1	0.2	5	ug/Kg		12/26/16	ZZ	
1,2-Dibromoethane	ND	1	0.12	5	ug/Kg		12/26/16	ZZ	
1,2-Dichlorobenzene	ND	1	0.18	5	ug/Kg		12/26/16	ZZ	
1,2-Dichloroethane	ND	1	0.14	5	ug/Kg		12/26/16	ZZ	
1,2-Dichloropropane	ND	1	0.34	5	ug/Kg		12/26/16	ZZ	
1,3,5-Trimethylbenzene	ND	1	0.23	5	ug/Kg		12/26/16	ZZ	
1,3-Dichlorobenzene	ND	1	0.21	5	ug/Kg		12/26/16	ZZ	
1,3-Dichloropropane	ND	1	0.19	5	ug/Kg		12/26/16	ZZ	
1,4-Dichlorobenzene	ND	1	0.24	5	ug/Kg		12/26/16	ZZ	
2,2-Dichloropropane	ND	1	0.19	5	ug/Kg		12/26/16	ZZ	
2-Butanone (MEK)	ND	1	0.72	100	ug/Kg		12/26/16	ZZ	
2-Chloroethyl Vinyl Ether	ND	1	0.3	5	ug/Kg		12/26/16	ZZ	
2-Chlorotoluene	ND	1	0.25	5	ug/Kg		12/26/16	ZZ	
4-Chlorotoluene	ND	1	0.22	5	ug/Kg		12/26/16	ZZ	
4-Isopropyltoluene	0.65 J	1	0.27	5	ug/Kg		12/26/16	ZZ	J
4-Methyl-2-pentanone (MIBK)	ND	1	0.17	5	ug/Kg		12/26/16	ZZ	
Acetone	ND	1	10	100	ug/Kg		12/26/16	ZZ	
Allyl Chloride	ND	1	0.14	5	ug/Kg		12/26/16	ZZ	
Benzene	ND	1	0.18	5	ug/Kg		12/26/16	ZZ	
Bromobenzene	ND	1 <del>-</del> ,	0.3	5	ug/Kg		12/26/16	ZZ	
Bromochloromethane	ND	1	0.18	5	ug/Kg		12/26/16	ZZ	
Bromodichloromethane	ND	1	0.2	5	ug/Kg		12/26/16	ZZ	
Bromoform	ND	1	0.19	5	ug/Kg		12/26/16	ZZ	
Bromomethane	ND	1	0.22	5	ug/Kg		12/26/16	ZZ	

Client: CES Group, Inc. Collector: Client Matrix: Solid

**Sampled:** 12/23/2016 14:30 Site:

Sample #: 385825-106 Client Sample #: Soil Drums Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Carbon Tetrachloride	ND	1	0.18	5	ug/Kg		12/26/16	ZŹ	
Chlorobenzene	ND	1	0.18	5	ug/Kg		12/26/16	ZZ	
Chlorodibromomethane	ND	1	0.19	5	ug/Kg		12/26/16	ZZ	
Chloroethane	ND	1	0.2	5	ug/Kg		12/26/16	ZZ	
Chloroform	ND	1	0.17	5	ug/Kg		12/26/16	ZZ	
Chloromethane	ND	1	0.21	5	ug/Kg		12/26/16	ZZ	
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg		12/26/16	ZZ	
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg		12/26/16	ZZ	
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg		12/26/16	ZZ	
Dibromomethane	ND	1	0.23	5	ug/Kg		12/26/16	ZZ	
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg		12/26/16	ZZ	
Di-isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg		12/26/16	ZZ	
Ethylbenzene	ND	1	0.25	5	ug/Kg		12/26/16	ZZ	
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg		12/26/16	ZZ	
Hexachlorobutadiene	ND	1	0.38	5	ug/Kg		12/26/16	ZZ	
Isopropylbenzene	0.37 J	1	0.17	5	ug/Kg		12/26/16	ZZ	J
m and p-Xylene	1.1 J	1	0.21	5	ug/Kg		12/26/16	ZZ	J
Methylene chloride	ND	1	0.22	5	ug/Kg		12/26/16	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	1	0.25	5	ug/Kg		12/26/16	ZZ	
Naphthalene	ND	1	0.28	5	ug/Kg		12/26/16	ZZ	
N-butylbenzene	ND	1	0.16	5	ug/Kg		12/26/16	ZZ	
N-propylbenzene	ND	1	0.19	5	ug/Kg		12/26/16	ZZ	
o-Xylene	0.62 J	1	0.13	5	ug/Kg		12/26/16	ZZ	J
Sec-butylbenzene	ND	1	0.34	5	ug/Kg		12/26/16	ZZ	
Styrene	ND	1	0.23	5	ug/Kg		12/26/16	ZZ	
t-Butyl alcohol (TBA)	ND	1	8.8	10	ug/Kg		12/26/16	ZZ	
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg		12/26/16	ZZ	
Tert-butylbenzene	ND	1	0.18	5	ug/Kg		12/26/16	ZZ	
Tetrachloroethene	ND	1	0.2	5	ug/Kg		12/26/16	ZZ	
Toluene	ND	1	0.23	5	ug/Kg		12/26/16	ZZ	
trans-1,2-dichloroethene	ND	1	0.23	5	ug/Kg		12/26/16	ZZ	
trans-1,3-dichloropropene	ND	1	0.14	5	ug/Kg		12/26/16	ZZ	
trans-1,4-dichloro-2-butene	ND	1	0.38	5	ug/Kg		12/26/16	ZZ	
Trichloroethene	ND	1	0.39	5	ug/Kg		12/26/16	ZZ	
Trichlorofluoromethane	ND	1	0.25	5	ug/Kg		12/26/16	ZZ	
Vinyl Chloride	ND	1	0.18	5	ug/Kg		12/26/16	ZZ	
Xylenes (Total)	1.7 J	1	0.45	5	ug/Kg		12/26/16	ZZ	J
<u>Surrogate</u>	<u>% F</u>	<u>Recovery</u>		<u>Limits</u>	<u>Notes</u>				
1,2-Dichloroethane-d4 (SUR)		138		70-145					
4-Bromofluorobenzene (SUR)		126		70-145					
Dibromodifluoromethane (SUR)		100		70-145					
Toluene-d8 (SUR)		105		70-145					

**Sampled:** 12/23/2016 14:20 **Site:** 

Sample #: 385825-107 Client Sample #: Drum Water Sample Type:

Analyte		Result	DF	MDI	L RDL	Units	Prepared	Analyze	
Method: EPA 8015B NELAC	Prep Method:				F^				ID: QC1173808
TPH Gasoline		ND	1	6.6	50	ug/L		12/29/16	EW
<u>Surrogate</u>		<u>% F</u>	<u>Recover</u>	¥	<u>Limits</u>	<u>Notes</u>			
4-Bromofluorobenzene (SUR)			99		60-140				
Method: EPA 8081A NELAC	Prep Method:	EPA 3510C						QCBatch	
4,4'-DDD		ND		0.01575	0.063	ug/L		12/30/16	LW
4,4'-DDE		ND		0.01365	0.0525	ug/L		12/30/16	LW
4,4'-DDT		ND		0.01785	0.063	ug/L		12/30/16	LW
a-BHC		ND		0.00525	0.042	ug/L		12/30/16	LW
Aldrin		ND		0.0084	0.1155	ug/L		12/30/16	LW
b-BHC		ND		0.00525	0.0315	ug/L		12/30/16	LW
Chlordane (technical)		ND	1.05	0.105	0.2625	ug/L		12/30/16	LW
d-BHC		ND		0.0063	0.0315	ug/L		12/30/16	LW
Dieldrin		ND		0.0126	0.063	ug/L		12/30/16	LW
Endosulfan I		ND		0.0063	0.0315	ug/L		12/30/16	LW
Endosulfan II		ND		0.01155	0.063	ug/L		12/30/16	LW
Endosulfan sulfate		ND ND		0.0126	0.063	ug/L		12/30/16	LW
Endrin		ND		0.01575	0.063	ug/L		12/30/16	LW
Endrin aldehyde		ND		0.0126	0.1365	ug/L		12/30/16	LW
Endrin Ketone		ND	1.05		0.06405	ug/L		12/30/16	LW
Heptachlor		ND		0.0084	0.084	ug/L		12/30/16	LW
Heptachlor epoxide		ND		0.0105	0.0525	ug/L		12/30/16	LW
Lindane (Gamma-BHC)		ND		0.00042	0.0315	ug/L		12/30/16	LW
Methoxychlor		ND		0.08715	0.5985	ug/L		12/30/16	LW
Toxaphene		ND	1.05	3.255	3.255	ug/L		12/30/16	LW
<u>Surrogate</u>		<u>% F</u>	Recover	¥	<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR			31		50-150	S			
Tetrachloro-m-xylene TCMX (S	UR)		74		50-150				
Method: EPA 8082 NELAC	Prep Method:	EPA 3510C						QCBatch	ID: QC1173984
PCB-1016		ND	1.05	0.1365	0.525	ug/L		12/30/16	LW
PCB-1221		ND	1.05	0.252	0.525	ug/L		12/30/16	LW
PCB-1232		ND	1.05	0.126	0.525	ug/L		12/30/16	LW
PCB-1242		ND		0.07455	0.525	ug/L		12/30/16	LW
PCB-1248		ND	1.05	0.126	0.525	ug/L		12/30/16	LW
PCB-1254		ND		0.0882	0.525	ug/L		12/30/16	LW
PCB-1260		ND		0.0861	0.525	ug/L		12/30/16	LW
PCB-1262		ND		0.08715	0.525	ug/L		12/30/16	LW
PCB-1268		ND	1.05	0.04095	0.525	ug/L		12/30/16	LW
<u>Surrogate</u>		<u>% F</u>	Recover	¥	<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR	)		33		50-150	S			
Method: EPA 8260B NELAC	Prep Method:	EPA 5030B						QCBatch	ID: QC1173835
1,1,1,2-Tetrachloroethane		ND	1	0.25	5	ug/L		12/31/16	LZ
1,1,1-Trichloroethane		ND	1	0.38	5	ug/L		12/31/16	LZ
1,1,2,2-Tetrachloroethane		ND	1	0.25	5	ug/L		12/31/16	LZ
1,1,2-Trichloroethane		ND	1	0.25	5	ug/L		12/31/16	LZ
1,1,2-Trichlorotrifluoroethane		ND	1	0.29	5	ug/L		12/31/16	LZ
1,1-Dichloroethane		ND	1	0.32	5	ug/L		12/31/16	LZ
1,1-Dichloroethene		ND	1	0.3	5	ug/L		12/31/16	LZ
1,1-Dichloropropene		ND	1	0.25	5	ug/L		12/31/16	LZ
1,2,3-Trichlorobenzene		ND	1	0.28	5	ug/L		12/31/16	LZ
1,2,3-Trichloropropane		ND	1	0.16	5	ug/L		12/31/16	LZ
1,2,4-Trichlorobenzene		ND	1	0.27	5	ug/L		12/31/16	LZ
			Λ	lutical D	esults Reno	urt			Enthalpy
			Ana	IVIICAL RE	-siliis Reno	11.1			

Sample #: 385825-107 Client Sample #: Drum Water Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed		Notes
1,2,4-Trimethylbenzene	ND	1	0.28	5	ug/L			LZ	
1,2-Dibromo-3-chloropropane	ND	1	0.12	5	ug/L			LZ	
1,2-Dibromoethane	ND	1	0.19	5	ug/L			LZ	
1,2-Dichlorobenzene	ND	1	0.26	5	ug/L			LZ	
1,2-Dichloroethane	ND	1	0.2	5	ug/L			LZ	
1,2-Dichloropropane	ND	1	0.36	5	ug/L			LZ	
1,3,5-Trimethylbenzene	ND	1	0.24	5	ug/L			LZ	
1,3-Dichlorobenzene	ND	1	0.34	5	ug/L			LZ	
1,3-Dichloropropane	ND	1	0.19	5	ug/L		12/31/16	LZ	
1,4-Dichlorobenzene	ND	1	0.43	5	ug/L		12/31/16	LZ	
2,2-Dichloropropane	ND	1	0.32	5	ug/L		12/31/16	LZ	
2-Butanone (MEK)	ND	1	0.78	100	ug/L		12/31/16	LZ	
2-Chlorotoluene	ND	1	0.33	5	ug/L		12/31/16	LZ	
4-Chlorotoluene	ND	1	0.31	5	ug/L		12/31/16	LZ	
4-Isopropyltoluene	ND	1	0.32	5	ug/L		12/31/16	LZ	
4-Methyl-2-pentanone (MIBK)	ND	1	0.12	5	ug/L		12/31/16	LZ	
Acetone	ND	1	10	100	ug/L			LZ	
Allyl Chloride	ND	1	0.19	5	ug/L			LZ	
Benzene	ND	1	0.18	1	ug/L			LZ	
Bromobenzene	ND	1	0.53	5	ug/L			LZ	
Bromochloromethane	ND	<u>.</u> 1	0.17	5	ug/L			LZ	
Bromodichloromethane	0.9 J	1	0.31	5	ug/L			LZ	J
Bromoform	5.0	1	0.13	5	ug/L			LZ	· ·
Bromomethane	ND	1	0.68	5	ug/L			LZ	
Carbon Tetrachloride	ND	<u>-</u> 1	0.27	<u></u> 5	ug/L			LZ	
Chlorobenzene	ND	1	0.19	5	ug/L			LZ	
Chlorodibromomethane	3.1 J	1	0.19	5	ug/L ug/L			LZ	J
Chloroethane	9.1 <b>3</b> ND	1	0.45	5	ug/L ug/L			LZ	J
Chloroform	0.34 J	<u>-</u> ' 1	0.43					LZ	J
	0.34 J ND		0.16		ug/L				J
Chloromethane		1		5	ug/L			LZ	
cis-1,2-Dichloroethene	ND	1	0.27	5	ug/L			LZ	
cis-1,3-dichloropropene	ND	1 ,	0.25	5	ug/L			LZ	
cis-1,4-dichloro-2-butene	ND	1	0.17	5	ug/L			LZ . –	
Dibromomethane	ND	1	0.23	5	ug/L			LZ	
Dichlorodifluoromethane	ND	1	0.33	5	ug/L			LZ	
Di-isopropyl ether (DIPE)	ND	1	0.17	1	ug/L		12/31/16	LZ	
Ethylbenzene	ND	1	0.21	5	ug/L			LZ	
Ethyl-tertbutylether (ETBE)	ND	1	0.23	1	ug/L			LZ	
Hexachlorobutadiene	ND	1	0.51	5	ug/L			LZ	
sopropylbenzene	ND	1	0.24	5	ug/L			LZ	
m and p-Xylene	ND	1	0.45	5	ug/L		12/31/16	LZ	
Methylene chloride	0.34 J	1	0.16	5	ug/L		12/31/16	LZ	J
Methyl-t-butyl Ether (MTBE)	ND	1	0.19	1	ug/L		12/31/16	LZ	
Naphthalene	ND	1	0.25	5	ug/L		12/31/16	LZ	
N-butylbenzene	ND	1	0.25	5	ug/L		12/31/16	LZ	
N-propylbenzene	ND	1	0.31	5	ug/L		12/31/16	LZ	
o-Xylene	ND	1	0.29	5	ug/L			LZ	
Sec-butylbenzene	ND	1	0.32	5	ug/L			LZ	
Styrene	ND	1	0.22	5	ug/L			ĹŽ	
-Butyl alcohol (TBA)	ND	1	5.2	10	ug/L			LZ	
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/L			LZ	
Tert-butylbenzene	ND	1	0.4	5	ug/L			LZ	
Tetrachloroethene	ND	<u>'</u>	0.8	5 5	ug/L			LZ	

Sampled: 12/23/2016 14:20 Site:

Sample #: 385825-107 Client Sample #: Drum Water Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Toluene	0.25 J	1	0.24	5	ug/L	•	12/31/16	LZ	J
trans-1,2-dichloroethene	ND	1	0.33	5	ug/L		12/31/16	LZ	
trans-1,3-dichloropropene	ND	1	0.23	5	ug/L		12/31/16	LZ	
trans-1,4-dichloro-2-butene	ND	1	0.17	5	ug/L		12/31/16	LZ	
Trichloroethene	ND	1	0.39	5	ug/L		12/31/16	LZ	
Trichlorofluoromethane	ND	1	0.25	5	ug/L		12/31/16	LZ	
Vinyl Chloride	ND	1	0.18	5	ug/L		12/31/16	LZ	
Xylenes (Total)	ND	1	0.45	5	ug/L		12/31/16	LZ	
<u>Surrogate</u>	<u>% Re</u>	covery		Limits	<u>Notes</u>				
1,2-Dichloroethane-d4 (SUR)	g	92		70-145					
4-Bromofluorobenzene (SUR)	1	14		70-145					
Dibromodifluoromethane (SUR)	1	01		70-145					
Toluene-d8 (SUR)	g	96		70-145					

Sample #: 385825-108 Client Sample #: S1/SG1-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 8015M	Prep Method:							QCBatchID		
TPH (C10 to C28)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
TPH (C28 to C40)		15	1		50	mg/Kg	12/28/16	12/29/16	LT	
TPH (C8 to C10)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
Method: EPA 8260B NELAC	Prep Method:	EPA 5035A						QCBatchID	: Q	C1173683
1,1,1,2-Tetrachloroethane		ND	0.96	0.2304	4.8	ug/Kg		12/26/16	ZZ	
1,1,1-Trichloroethane		ND	0.96	0.144	4.8	ug/Kg		12/26/16	ZZ	
1,1,2,2-Tetrachloroethane		ND	0.96	0.2784	4.8	ug/Kg		12/26/16	ZZ	
1,1,2-Trichloroethane		ND	0.96	0.2112	4.8	ug/Kg		12/26/16	ZZ	
1,1,2-Trichlorotrifluoroethane		ND	0.96	0.7104	4.8	ug/Kg		12/26/16	ZZ	
1,1-Dichloroethane		ND	0.96	0.2208	4.8	ug/Kg		12/26/16	ZZ	
1,1-Dichloroethene		ND	0.96	0.1728	4.8	ug/Kg		12/26/16	ZZ	
1,1-Dichloropropene		ND	0.96	0.2016	4.8	ug/Kg		12/26/16	ZZ	
1,2,3-Trichlorobenzene		ND	0.96	0.1728	4.8	ug/Kg		12/26/16	ZZ	
1,2,3-Trichloropropane		ND	0.96	0.192	4.8	ug/Kg		12/26/16	ZZ	
1,2,4-Trichlorobenzene		ND	0.96	0.3168	4.8	ug/Kg		12/26/16	ZZ	
1,2,4-Trimethylbenzene		ND	0.96	0.2688	4.8	ug/Kg		12/26/16	ZZ	
1,2-Dibromo-3-chloropropane		ND	0.96	0.192	4.8	ug/Kg		12/26/16	ZZ	
1,2-Dibromoethane		ND	0.96	0.1152	4.8	ug/Kg		12/26/16	ZZ	
1,2-Dichlorobenzene		ND	0.96	0.1728	4.8	ug/Kg		12/26/16	ZZ	
1,2-Dichloroethane		ND	0.96	0.1344	4.8	ug/Kg		12/26/16	ZZ	
1,2-Dichloropropane		ND	0.96	0.3264	4.8	ug/Kg		12/26/16	ZZ	
1,3,5-Trimethylbenzene		ND	0.96	0.2208	4.8	ug/Kg		12/26/16	ZZ	
1,3-Dichlorobenzene		ND		0.2016	4.8	ug/Kg		12/26/16	ZZ	
1,3-Dichloropropane		ND		0.1824	4.8	ug/Kg		12/26/16	ZZ	
1,4-Dichlorobenzene		ND		0.2304	4.8	ug/Kg		12/26/16	ZZ	
2,2-Dichloropropane		ND		0.1824	4.8	ug/Kg		12/26/16	ZZ	
2-Butanone (MEK)		1.1 J	0.96	0.6912	96	ug/Kg		12/26/16	ZZ	J
2-Chloroethyl Vinyl Ether		ND	0.96	0.288	4.8	ug/Kg		12/26/16	ZZ	
2-Chlorotoluene		ND	0.96	0.24	4.8	ug/Kg		12/26/16	ZZ	
4-Chlorotoluene		ND	0.96	0.2112	4.8	ug/Kg		12/26/16	ZZ	
4-Isopropyltoluene		ND	0.96	0.2592	4.8	ug/Kg		12/26/16	ZZ	
4-Methyl-2-pentanone (MIBK)		ND		0.1632	4.8	ug/Kg		12/26/16	ZZ	
Acetone		13 J	0.96	9.6	96	ug/Kg		12/26/16	ZZ	
Allyl Chloride		ND	0.96	0.1344	4.8	ug/Kg		12/26/16	ZZ	
Benzene		1.7 J	0.96	0.1728	4.8	ug/Kg		12/26/16	ZZ	J
Bromobenzene		ND	0.96	0.288	4.8	ug/Kg		12/26/16	ZZ	
Bromochloromethane		ND	0.96	0.1728	4.8	ug/Kg		12/26/16	ZZ	
Bromodichloromethane		ND	0.96	0.192	4.8	ug/Kg		12/26/16	ZZ	
Bromoform		ND	0.96	0.1824	4.8	ug/Kg		12/26/16	ZZ	
Bromomethane		ND	0.96	0.2112	4.8	ug/Kg		12/26/16	ZZ	
Carbon Tetrachloride		ND		0.1728	4.8	ug/Kg		12/26/16	ZZ	
Chlorobenzene		ND		0.1728	4.8	ug/Kg		12/26/16	ZZ	
Chlorodibromomethane		ND	0.96	0.1824	4.8	ug/Kg		12/26/16	ZZ	
Chloroethane		ND	0.96	0.192	4.8	ug/Kg		12/26/16	ZZ	
Chloroform		ND	0.96	0.1632	4.8	ug/Kg		12/26/16	ZZ	
Chloromethane		ND	0.96	0.2016	4.8	ug/Kg		12/26/16	ZZ	
cis-1,2-Dichloroethene		ND	0.96	0.192	4.8	ug/Kg		12/26/16	ZZ	
cis-1,3-dichloropropene		ND	0.96	0.192	4.8	ug/Kg		12/26/16	ZZ	
cis-1,4-dichloro-2-butene		ND	0.96	0.192	4.8	ug/Kg		12/26/16	ZZ	
Dibromomethane		ND		0.2016	4.8	ug/Kg		12/26/16	ZZ	
Dichlorodifluoromethane		2.7 J		0.2208	4.8	ug/Kg		12/26/16	ZZ	J
Di-isopropyl ether (DIPE)		ND		0.2016	4.8	ug/Kg		12/26/16	ZZ	
					:					

Sampled: 12/22/2016 12:25 Site:

Sample #: 385825-108 Client Sample #: S1/SG1-2.5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Ethylbenzene	ND	0.96	0.2208	4.8	ug/Kg	-	12/26/16	ZZ	
Ethyl-tertbutylether (ETBE)	ND	0.96	0.4032	4.8	ug/Kg		12/26/16	ZZ	
Hexachlorobutadiene	ND	0.96	0.4032	4.8	ug/Kg		12/26/16	ZZ	
Isopropylbenzene	ND	0.96	0.24	4.8	ug/Kg		12/26/16	ZZ	
m and p-Xylene	ND	0.96	0.3648	4.8	ug/Kg		12/26/16	ZZ	
Methylene chloride	ND	0.96	0.2016	4.8	ug/Kg		12/26/16	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	0.96	0.1632	4.8	ug/Kg		12/26/16	ZZ	
Naphthalene	ND	0.96	0.1536	4.8	ug/Kg		12/26/16	ZZ	
N-butylbenzene	ND	0.96	0.24	4.8	ug/Kg		12/26/16	ZZ	
N-propylbenzene	ND	0.96	0.2112	4.8	ug/Kg		12/26/16	ZZ	
o-Xylene	ND	0.96	0.1824	4.8	ug/Kg		12/26/16	ZZ	
Sec-butylbenzene	ND	0.96	0.2688	4.8	ug/Kg		12/26/16	ZZ	
Styrene	ND	0.96	0.1248	4.8	ug/Kg		12/26/16	ZZ	
t-Butyl alcohol (TBA)	ND	0.96	8.448	9.6	ug/Kg		12/26/16	ZZ	
Tert-amylmethylether (TAME)	ND	0.96	0.1824	4.8	ug/Kg		12/26/16	ZZ	
Tert-butylbenzene	ND	0.96	0.3264	4.8	ug/Kg		12/26/16	ZZ	
Tetrachloroethene	ND	0.96	0.2208	4.8	ug/Kg		12/26/16	ZZ	
Toluene	0.43 J	0.96	0.1632	4.8	ug/Kg		12/26/16	ZZ	J
trans-1,2-dichloroethene	ND	0.96	0.1824	4.8	ug/Kg		12/26/16	ZZ	
trans-1,3-dichloropropene	ND	0.96	0.1728	4.8	ug/Kg		12/26/16	ZZ	
trans-1,4-dichloro-2-butene	ND	0.96	0.192	4.8	ug/Kg		12/26/16	ZZ	
Trichloroethene	ND	0.96	0.2208	4.8	ug/Kg		12/26/16	ZZ	
Trichlorofluoromethane	ND	0.96	0.2208	4.8	ug/Kg		12/26/16	ZZ	
Vinyl Chloride	ND	0.96	0.1344	4.8	ug/Kg		12/26/16	ZZ	
Xylenes (Total)	ND	0.96	0.3648	4.8	ug/Kg		12/26/16	ZZ	
<u>Surrogate</u>	<u>% F</u>	Recove	<u>ry</u>	<u>Limits</u>	<u>Notes</u>	<u>.</u>			
1,2-Dichloroethane-d4 (SUR)		142		70-145					
4-Bromofluorobenzene (SUR)		110		70-145					
Dibromodifluoromethane (SUR)		108		70-145					
Toluene-d8 (SUR)		103		70-145					

Sample #: 385825-109 Client Sample #: S1/SG1-5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 8015M	Prep Method:							QCBatchID		
TPH (C10 to C28)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
TPH (C28 to C40)		14	1		50	mg/Kg	12/28/16	12/29/16	LT	
TPH (C8 to C10)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
Method: EPA 8260B NELAC	Prep Method:	EPA 5035A						QCBatchID	): Q(	C1173683
1,1,1,2-Tetrachloroethane		ND	0.89	0.2136	4.45	ug/Kg		12/27/16	ZZ	
1,1,1-Trichloroethane		ND	0.89	0.1335	4.45	ug/Kg		12/27/16	ZZ	
1,1,2,2-Tetrachloroethane		ND	0.89	0.2581	4.45	ug/Kg		12/27/16	ZZ	
1,1,2-Trichloroethane		ND	0.89	0.1958	4.45	ug/Kg		12/27/16	ZZ	
1,1,2-Trichlorotrifluoroethane		ND	0.89	0.6586	4.45	ug/Kg		12/27/16	ZZ	
1,1-Dichloroethane		ND	0.89	0.2047	4.45	ug/Kg		12/27/16	ZZ	
1,1-Dichloroethene		ND	0.89	0.1602	4.45	ug/Kg		12/27/16	ZZ	
1,1-Dichloropropene		ND	0.89	0.1869	4.45	ug/Kg		12/27/16	ZZ	
1,2,3-Trichlorobenzene		ND	0.89	0.1602	4.45	ug/Kg		12/27/16	ZZ	
1,2,3-Trichloropropane		ND	0.89	0.178	4.45	ug/Kg		12/27/16	ZZ	
1,2,4-Trichlorobenzene		ND	0.89	0.2937	4.45	ug/Kg		12/27/16	ZZ	
1,2,4-Trimethylbenzene		ND	0.89	0.2492	4.45	ug/Kg		12/27/16	ZZ	
1,2-Dibromo-3-chloropropane		ND	0.89	0.178	4.45	ug/Kg		12/27/16	ZZ	
1,2-Dibromoethane		ND	0.89	0.1068	4.45	ug/Kg		12/27/16	ZZ	
1,2-Dichlorobenzene		ND	0.89	0.1602	4.45	ug/Kg		12/27/16	ZZ	
1,2-Dichloroethane		ND	0.89	0.1246	4.45	ug/Kg		12/27/16	ZZ	
1,2-Dichloropropane		ND	0.89	0.3026	4.45	ug/Kg		12/27/16	ZZ	
1,3,5-Trimethylbenzene		ND	0.89	0.2047	4.45	ug/Kg		12/27/16	ZZ	
1,3-Dichlorobenzene		ND	0.89	0.1869	4.45	ug/Kg		12/27/16	ZZ	
1,3-Dichloropropane		ND	0.89	0.1691	4.45	ug/Kg		12/27/16	ZZ	
1,4-Dichlorobenzene		ND		0.2136	4.45	ug/Kg		12/27/16	ZZ	
2,2-Dichloropropane		ND	0.89	0.1691	4.45	ug/Kg		12/27/16	ZZ	
2-Butanone (MEK)		ND	0.89	0.6408	89	ug/Kg		12/27/16	ZZ	
2-Chloroethyl Vinyl Ether		ND	0.89	0.267	4.45	ug/Kg		12/27/16	ZZ	
2-Chlorotoluene		ND	0.89	0.2225	4.45	ug/Kg		12/27/16	ZZ	
4-Chlorotoluene		ND	0.89	0.1958	4.45	ug/Kg		12/27/16	ZZ	
4-Isopropyltoluene		ND	0.89	0.2403	4.45	ug/Kg		12/27/16	ZZ	
4-Methyl-2-pentanone (MIBK)		ND		0.1513	4.45	ug/Kg		12/27/16	ZZ	
Acetone		ND	0.89	8.9	89	ug/Kg		12/27/16	ZZ	
Allyl Chloride		ND		0.1246	4.45	ug/Kg		12/27/16	ZZ	
Benzene		0.76 J		0.1602	4.45	ug/Kg		12/27/16	ZZ	J
Bromobenzene		ND	0.89	0.267	4.45	ug/Kg		12/27/16	ZZ	
Bromochloromethane		ND		0.1602	4.45	ug/Kg		12/27/16	ZZ	
Bromodichloromethane		ND	0.89	0.178	4.45	ug/Kg		12/27/16	ZZ	
Bromoform		ND		0.1691	4.45	ug/Kg		12/27/16	ZZ	
Bromomethane		1.4 J		0.1958	4.45	ug/Kg		12/27/16	ZZ	J
Carbon Tetrachloride		ND		0.1602	4.45	ug/Kg		12/27/16	ZZ	
Chlorobenzene		ND		0.1602	4.45	ug/Kg		12/27/16	ZZ	
Chlorodibromomethane		ND		0.1691	4.45	ug/Kg		12/27/16	ZZ	
Chloroethane		ND	0.89	0.178	4.45	ug/Kg		12/27/16	ZZ	
Chloroform		ND		0.1513	4.45	ug/Kg		12/27/16	ZZ	
Chloromethane		ND		0.1869	4.45	ug/Kg		12/27/16	ZZ	
cis-1,2-Dichloroethene		ND	0.89	0.178	4.45	ug/Kg		12/27/16	ZZ	
cis-1,3-dichloropropene		ND	0.89	0.178	4.45	ug/Kg		12/27/16	ZZ	
cis-1,4-dichloro-2-butene		ND	0.89	0.178	4.45	ug/Kg		12/27/16	ZZ	
Dibromomethane		ND		0.1869	4.45	ug/Kg		12/27/16	ZZ	
Dichlorodifluoromethane		13		0.2047	4.45	ug/Kg		12/27/16	ZZ	
Di-isopropyl ether (DIPE)		ND		0.1869	4.45	ug/Kg		12/27/16	ZZ	
2. 100p. op j. dator (Dit L)						~9,.,9				

Sampled: 12/22/2016 12:30 Site:

Sample #: 385825-109 Client Sample #: S1/SG1-5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Ethylbenzene	ND	0.89	0.2047	4.45	ug/Kg		12/27/16	ZZ	
Ethyl-tertbutylether (ETBE)	ND	0.89	0.3738	4.45	ug/Kg		12/27/16	ZZ	
Hexachlorobutadiene	ND	0.89	0.3738	4.45	ug/Kg		12/27/16	ZZ	
Isopropylbenzene	ND	0.89	0.2225	4.45	ug/Kg		12/27/16	ZZ	
m and p-Xylene	ND	0.89	0.3382	4.45	ug/Kg		12/27/16	ZZ	
Methylene chloride	ND	0.89	0.1869	4.45	ug/Kg		12/27/16	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	0.89	0.1513	4.45	ug/Kg		12/27/16	ZZ	
Naphthalene	ND	0.89	0.1424	4.45	ug/Kg		12/27/16	ZZ	
N-butylbenzene	ND	0.89	0.2225	4.45	ug/Kg		12/27/16	ZZ	
N-propylbenzene	ND	0.89	0.1958	4.45	ug/Kg		12/27/16	ZZ	
o-Xylene	ND	0.89	0.1691	4.45	ug/Kg		12/27/16	ZZ	
Sec-butylbenzene	ND	0.89	0.2492	4.45	ug/Kg		12/27/16	ZZ	
Styrene	ND	0.89	0.1157	4.45	ug/Kg		12/27/16	ZZ	
t-Butyl alcohol (TBA)	ND	0.89	7.832	8.9	ug/Kg		12/27/16	ZZ	
Tert-amylmethylether (TAME)	ND	0.89	0.1691	4.45	ug/Kg		12/27/16	ZZ	
Tert-butylbenzene	ND	0.89	0.3026	4.45	ug/Kg		12/27/16	ZZ	
Tetrachloroethene	ND	0.89	0.2047	4.45	ug/Kg		12/27/16	ZZ	
Toluene	0.40 J	0.89	0.1513	4.45	ug/Kg		12/27/16	ZZ	J
trans-1,2-dichloroethene	ND	0.89	0.1691	4.45	ug/Kg		12/27/16	ZZ	
trans-1,3-dichloropropene	ND	0.89	0.1602	4.45	ug/Kg		12/27/16	ZZ	
trans-1,4-dichloro-2-butene	ND	0.89	0.178	4.45	ug/Kg		12/27/16	ZZ	
Trichloroethene	ND	0.89	0.2047	4.45	ug/Kg		12/27/16	ZZ	
Trichlorofluoromethane	ND	0.89	0.2047	4.45	ug/Kg		12/27/16	ZZ	
Vinyl Chloride	ND	0.89	0.1246	4.45	ug/Kg		12/27/16	ZZ	
Xylenes (Total)	ND	0.89	0.3382	4.45	ug/Kg		12/27/16	ZZ	
<u>Surrogate</u>	<u>% F</u>	Recove	<u>ry</u>	<u>Limits</u>	<u>Notes</u>				
1,2-Dichloroethane-d4 (SUR)		142		70-145					
4-Bromofluorobenzene (SUR)		116		70-145					
Dibromodifluoromethane (SUR)		113		70-145					
Toluene-d8 (SUR)		102		70-145					
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Sampled: 12/22/2016 12:35 Site:

Sample #: 385825-110 Client Sample #: S1/SG1-10' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 8015M	Prep Method:							QCBatchID		
TPH (C10 to C28)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
TPH (C28 to C40)		21	1		50	mg/Kg	12/28/16	12/29/16	LT	
TPH (C8 to C10)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
Method: EPA 8260B NELAC	Prep Method:	EPA 5035A						QCBatchID	: Q(	C1173695
1,1,1,2-Tetrachloroethane		ND	0.96	0.2304	4.8	ug/Kg		12/29/16	ZZ	
1,1,1-Trichloroethane		ND	0.96	0.144	4.8	ug/Kg		12/29/16	ZZ	
1,1,2,2-Tetrachloroethane		ND	0.96	0.2784	4.8	ug/Kg		12/29/16	ZZ	
1,1,2-Trichloroethane		ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ	
1,1,2-Trichlorotrifluoroethane		ND	0.96	0.7104	4.8	ug/Kg		12/29/16	ZZ	
1,1-Dichloroethane		ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ	
1,1-Dichloroethene		ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ	
1,1-Dichloropropene		ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ	
1,2,3-Trichlorobenzene		ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ	
1,2,3-Trichloropropane		ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
1,2,4-Trichlorobenzene		ND	0.96	0.3168	4.8	ug/Kg		12/29/16	ZZ	
1,2,4-Trimethylbenzene		ND	0.96	0.2688	4.8	ug/Kg		12/29/16	ZZ	
1,2-Dibromo-3-chloropropane		ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
1,2-Dibromoethane		ND	0.96	0.1152	4.8	ug/Kg		12/29/16	ZZ	
1,2-Dichlorobenzene		ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ	
1,2-Dichloroethane		ND	0.96	0.1344	4.8	ug/Kg		12/29/16	ZZ	
1,2-Dichloropropane		ND	0.96	0.3264	4.8	ug/Kg		12/29/16	ZZ	
1,3,5-Trimethylbenzene		ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ	
1,3-Dichlorobenzene		ND		0.2016	4.8	ug/Kg		12/29/16	ZZ	
1,3-Dichloropropane		ND		0.1824	4.8	ug/Kg		12/29/16	ZZ	
1,4-Dichlorobenzene		ND		0.2304	4.8	ug/Kg		12/29/16	ZZ	
2,2-Dichloropropane		ND		0.1824	4.8	ug/Kg		12/29/16	ZZ	
2-Butanone (MEK)		ND	0.96	0.6912	96	ug/Kg		12/29/16	ZZ	
2-Chloroethyl Vinyl Ether		ND	0.96	0.288	4.8	ug/Kg		12/29/16	ZZ	
2-Chlorotoluene		ND	0.96	0.24	4.8	ug/Kg		12/29/16	ZZ	
4-Chlorotoluene		ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ	
4-Isopropyltoluene		ND		0.2592	4.8	ug/Kg		12/29/16	ZZ	
4-Methyl-2-pentanone (MIBK)		ND		0.1632	4.8	ug/Kg		12/29/16	ZZ	
Acetone		ND	0.96	9.6	96	ug/Kg		12/29/16	ZZ	
Allyl Chloride		ND	0.96	0.1344	4.8	ug/Kg		12/29/16	ZZ	
Benzene		0.36 J		0.1728	4.8	ug/Kg		12/29/16	ZZ	J
Bromobenzene		ND	0.96	0.288	4.8	ug/Kg		12/29/16	ZZ	
Bromochloromethane		ND		0.1728	4.8	ug/Kg		12/29/16	ZZ	
Bromodichloromethane		ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
Bromoform		ND		0.1824	4.8	ug/Kg		12/29/16	ZZ	
Bromomethane		ND		0.2112	4.8	ug/Kg		12/29/16	ZZ	
Carbon Tetrachloride		ND		0.1728	4.8	ug/Kg		12/29/16	ZZ	
Chlorobenzene		ND		0.1728	4.8	ug/Kg		12/29/16	ZZ	
Chlorodibromomethane		ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ	
Chloroethane		ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
Chloroform		ND		0.1632	4.8	ug/Kg		12/29/16	ZZ	
Chloromethane		ND		0.2016	4.8	ug/Kg		12/29/16	ZZ	
cis-1,2-Dichloroethene		ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
cis-1,3-dichloropropene		ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
cis-1,4-dichloro-2-butene		ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
Dibromomethane		ND		0.2016	4.8	ug/Kg		12/29/16	ZZ	
Dichlorodifluoromethane		ND		0.2208	4.8	ug/Kg		12/29/16	ZZ	
Di-isopropyl ether (DIPE)		ND		0.2016	4.8	ug/Kg		12/29/16	ZZ	
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Sampled: 12/22/2016 12:35 Site:

Sample #: 385825-110 Client Sample #: S1/SG1-10' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Ethylbenzene	ND	0.96	0.2208	4.8	ug/Kg	_	12/29/16	ZZ	
Ethyl-tertbutylether (ETBE)	ND	0.96	0.4032	4.8	ug/Kg		12/29/16	ZZ	
Hexachlorobutadiene	ND	0.96	0.4032	4.8	ug/Kg		12/29/16	ZZ	
Isopropylbenzene	ND	0.96	0.24	4.8	ug/Kg		12/29/16	ZZ	
m and p-Xylene	ND	0.96	0.3648	4.8	ug/Kg		12/29/16	ZZ	
Methylene chloride	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ	
Naphthalene	ND	0.96	0.1536	4.8	ug/Kg		12/29/16	ZZ	
N-butylbenzene	ND	0.96	0.24	4.8	ug/Kg		12/29/16	ZZ	
N-propylbenzene	ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ	
o-Xylene	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ	
Sec-butylbenzene	ND	0.96	0.2688	4.8	ug/Kg		12/29/16	ZZ	
Styrene	ND	0.96	0.1248	4.8	ug/Kg		12/29/16	ZZ	
t-Butyl alcohol (TBA)	ND	0.96	8.448	9.6	ug/Kg		12/29/16	ZZ	
Tert-amylmethylether (TAME)	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ	
Tert-butylbenzene	ND	0.96	0.3264	4.8	ug/Kg		12/29/16	ZZ	
Tetrachloroethene	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ	
Toluene	0.26 J	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ	J
trans-1,2-dichloroethene	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ	
trans-1,3-dichloropropene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ	
trans-1,4-dichloro-2-butene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
Trichloroethene	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ	
Trichlorofluoromethane	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ	
Vinyl Chloride	ND	0.96	0.1344	4.8	ug/Kg		12/29/16	ZZ	
Xylenes (Total)	ND	0.96	0.3648	4.8	ug/Kg		12/29/16	ZZ	
<u>Surrogate</u>	<u>%                                    </u>	Recove	ry	<u>Limits</u>	<u>Notes</u>				
1,2-Dichloroethane-d4 (SUR)		135		70-145					
4-Bromofluorobenzene (SUR)		113		70-145					
Dibromodifluoromethane (SUR)		112		70-145					
Toluene-d8 (SUR)		101		70-145					

Sample #: 385825-111 Client Sample #: \$2/\$G2-5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 6010B NELAC	Prep Method:							QCBatchII		
Antimony		ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN	
Arsenic		1.10	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN	
Barium		97.0	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN	
Beryllium		ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN	
Cadmium		ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN	
Chromium		8.85	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Cobalt		6.71	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN	
Copper		8.53	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN	
Lead		ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Molybdenum		ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Nickel		4.82	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN	
Selenium		ND	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN	
Silver		ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN	
Thallium		ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN	
Vanadium		21.2	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN	
Zinc		24.3	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 7471A NELAC	Prep Method:		<u> </u>					QCBatchII		21173055
Mercury	i ich menion.	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	J. Q(	71110000
	December 1			0.02	0.14	mg/rtg	01/03/10			24470005
Method: EPA 8260B NELAC	Prep Method:		0.00	0.0004	4.0			QCBatchII		21173695
1,1,1,2-Tetrachloroethane		ND	0.96	0.2304	4.8	ug/Kg		12/29/16	ZZ	
1,1,1-Trichloroethane		ND	0.96	0.144	4.8	ug/Kg		12/29/16	ZZ	
1,1,2,2-Tetrachloroethane		ND	0.96	0.2784	4.8	ug/Kg		12/29/16	ZZ	
1,1,2-Trichloroethane		ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ	
1,1,2-Trichlorotrifluoroethane		ND	0.96	0.7104	4.8	ug/Kg		12/29/16	ZZ	
1,1-Dichloroethane		ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ	
1,1-Dichloroethene		ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ	
1,1-Dichloropropene		ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ	
1,2,3-Trichlorobenzene		ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ	
1,2,3-Trichloropropane		ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
1,2,4-Trichlorobenzene		ND	0.96	0.3168	4.8	ug/Kg		12/29/16	ZZ	
1,2,4-Trimethylbenzene		ND	0.96	0.2688	4.8	ug/Kg		12/29/16	ZZ	
1,2-Dibromo-3-chloropropane		ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
1,2-Dibromoethane		ND	0.96	0.1152	4.8	ug/Kg		12/29/16	ZZ	
1,2-Dichlorobenzene		ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ	
1,2-Dichloroethane		ND	0.96	0.1344	4.8	ug/Kg		12/29/16	ZZ	
1,2-Dichloropropane		ND		0.3264	4.8	ug/Kg		12/29/16	ZZ	
1,3,5-Trimethylbenzene		ND		0.2208	4.8	ug/Kg		12/29/16	ZZ	
1,3-Dichlorobenzene		ND	0.96		4.8	ug/Kg		12/29/16	ZZ	
1,3-Dichloropropane		ND		0.1824	4.8	ug/Kg		12/29/16	ZZ	
1,4-Dichlorobenzene		ND	0.96	0.2304	4.8	ug/Kg		12/29/16	ZZ	"
2,2-Dichloropropane		ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ	
2-Butanone (MEK)		ND	0.96	0.6912	96	ug/Kg		12/29/16	ZZ	
2-Chloroethyl Vinyl Ether		ND	0.96	0.288	4.8	ug/Kg		12/29/16	ZZ	
2-Chlorotoluene		ND	0.96	0.24	4.8	ug/Kg		12/29/16	ZZ	
4-Chlorotoluene		ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ	
4-Isopropyltoluene		ND	0.96	0.2592	4.8	ug/Kg		12/29/16	ZZ	
4-Methyl-2-pentanone (MIBK)		ND	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ	
Acetone		ND	0.96	9.6	96	ug/Kg		12/29/16	ZZ	
Allyl Chloride		ND	0.96	0.1344	4.8	ug/Kg		12/29/16	ZZ	
Benzene		0.46 J	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ	J
Bromobenzene		ND	0.96	0.288	4.8	ug/Kg		12/29/16	ZZ	
Bromochloromethane		ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ	

Sampled: 12/22/2016 13:35 Site:

Sample #: 385825-111 Client Sample #: S2/SG2-5' Sample Type:

Analyte	Result	DF		RDL	Units	Prepared	Analyzed		Notes
Bromodichloromethane	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
Bromoform	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ	
Bromomethane	ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ	
Carbon Tetrachloride	ND		0.1728	4.8	ug/Kg		12/29/16	ZZ	
Chlorobenzene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ	
Chlorodibromomethane	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ	
Chloroethane	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
Chloroform	ND	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ	
Chloromethane	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ	
cis-1,2-Dichloroethene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
cis-1,3-dichloropropene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
cis-1,4-dichloro-2-butene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
Dibromomethane	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ	
Dichlorodifluoromethane	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ	
Di-isopropyl ether (DIPE)	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ	
Ethylbenzene	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ	
Ethyl-tertbutylether (ETBE)	ND		0.4032	4.8	ug/Kg		12/29/16	ZZ	
Hexachlorobutadiene	ND	0.96	0.4032	4.8	ug/Kg		12/29/16	ZZ	
Isopropylbenzene	ND	0.96	0.24	4.8	ug/Kg		12/29/16	ZZ	
m and p-Xylene	ND	0.96	0.3648	4.8	ug/Kg		12/29/16	ZZ	
Methylene chloride	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ	
Naphthalene	ND	0.96	0.1536	4.8	ug/Kg		12/29/16	ZZ	
N-butylbenzene	ND	0.96	0.24	4.8	ug/Kg ug/Kg		12/29/16	ZZ	
N-propylbenzene	ND		0.2112	4.8	ug/Kg		12/29/16	ZZ	
o-Xylene	ND	0.96	0.1824	4.8	ug/Kg ug/Kg		12/29/16	ZZ	
Sec-butylbenzene	ND	0.96	0.2688	4.8	ug/Kg ug/Kg		12/29/16	ZZ	
Styrene	ND	0.96	0.1248	4.8	ug/Kg ug/Kg		12/29/16	ZZ	
t-Butyl alcohol (TBA)	ND	0.96	8.448	9.6	ug/Kg ug/Kg		12/29/16	ZZ	
	ND ND	0.96	0.1824	4.8			12/29/16	ZZ	
Tert-amylmethylether (TAME)	ND ND	0.96	0.1624	4.0 4.8	ug/Kg		12/29/16	ZZ	
Tert-butylbenzene					ug/Kg				
Teluane	ND	0.96	0.2208 0.1632	4.8	ug/Kg		12/29/16 12/29/16	ZZ ZZ	
Toluene	0.32 J			4.8	ug/Kg				J
trans-1,2-dichloroethene	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ	
trans-1,3-dichloropropene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ	
trans-1,4-dichloro-2-butene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
Trichloroethene	ND		0.2208	4.8	ug/Kg		12/29/16	ZZ	
Trichlorofluoromethane	ND		0.2208	4.8	ug/Kg		12/29/16	ZZ	
Vinyl Chloride	ND		0.1344	4.8	ug/Kg		12/29/16	ZZ	
Xylenes (Total)	ND	0.96	0.3648	4.8	ug/Kg		12/29/16	ZZ	
<u>Surrogate</u>	<u>%                                    </u>	Recover	¥	<u>Limits</u>	<u>Notes</u>				
1,2-Dichloroethane-d4 (SUR)		133		70-145					
4-Bromofluorobenzene (SUR)		112		70-145					
Dibromodifluoromethane (SUR)		114		70-145					
Toluene-d8 (SUR)		100		70-145					

Sampled: 12/22/2016 13:40 Site:

Sample #: 385825-112 Client Sample #: S2/SG2-10' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed		
Method: EPA 6010B NELAC	Prep Method:							QCBatchII		C1173759
Antimony		ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN	
Arsenic		0.90 J	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN	J
Barium		66.9	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN	
Beryllium		ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN	
Cadmium		ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN	
Chromium		7.60	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Cobalt		5.72	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN	
Copper		6.31	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN	
Lead		ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Molybdenum		ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Nickel		3.68	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN	
Selenium		ND	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN	
Silver		ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN	
Thallium		ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN	
Vanadium		20.7	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN	
Zinc		20.1	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 7471A NELAC	Prep Method:				<u> </u>		<u> </u>	QCBatchII		21173055
Mercury	гтер імеціюц.	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP	51173933
<u> </u>			'	0.02	0.14	mg/rtg	01/03/10			
Method: EPA 8260B NELAC	Prep Method:							QCBatchII		C1173695
1,1,1,2-Tetrachloroethane		ND	1	0.24	5	ug/Kg		12/29/16	ZZ	
1,1,1-Trichloroethane		ND	1	0.15	5	ug/Kg		12/29/16	ZZ	
1,1,2,2-Tetrachloroethane		ND	1	0.29	5	ug/Kg		12/29/16	ZZ	
1,1,2-Trichloroethane		ND	1	0.22	5	ug/Kg		12/29/16	ZZ	
1,1,2-Trichlorotrifluoroethane		ND	1	0.74	5	ug/Kg		12/29/16	ZZ	
1,1-Dichloroethane		ND	1	0.23	5	ug/Kg		12/29/16	ZZ	
1,1-Dichloroethene		ND	1	0.18	5	ug/Kg		12/29/16	ZZ	
1,1-Dichloropropene		ND	1	0.21	5	ug/Kg		12/29/16	ZZ	
1,2,3-Trichlorobenzene		ND	1	0.18	5	ug/Kg		12/29/16	ZZ	
1,2,3-Trichloropropane		ND	1	0.2	5	ug/Kg		12/29/16	ZZ	
1,2,4-Trichlorobenzene		ND	1	0.33	5	ug/Kg		12/29/16	ZZ	
1,2,4-Trimethylbenzene		ND	1	0.28	5	ug/Kg		12/29/16	ZZ	
1,2-Dibromo-3-chloropropane		ND	1	0.2	5	ug/Kg		12/29/16	ZZ	
1,2-Dibromoethane		ND	1	0.12	5	ug/Kg		12/29/16	ZZ	
1,2-Dichlorobenzene		ND	1	0.18	5	ug/Kg		12/29/16	ZZ	
1,2-Dichloroethane		ND	1	0.14	5	ug/Kg		12/29/16	ZZ	
1,2-Dichloropropane		ND	1	0.34	5	ug/Kg		12/29/16	ZZ	
1,3,5-Trimethylbenzene		ND	1	0.23	5	ug/Kg		12/29/16	ZZ	
1,3-Dichlorobenzene		ND	1	0.21	5	ug/Kg		12/29/16	ZZ	
1,3-Dichloropropane		ND	1	0.19	5	ug/Kg		12/29/16	ZZ	
1,4-Dichlorobenzene		ND	1	0.24	<u></u> 5	ug/Kg		12/29/16	ZZ	
2,2-Dichloropropane		ND	1	0.19	5	ug/Kg		12/29/16	ZZ	
2-Butanone (MEK)		ND	1	0.72	100	ug/Kg		12/29/16	ZZ	
2-Chloroethyl Vinyl Ether		ND	1	0.3	5	ug/Kg		12/29/16	ZZ	
2-Chlorotoluene		ND	<u>.</u> ' 1	0.25	<u></u> 5	ug/Kg		12/29/16	ZZ	
4-Chlorotoluene		ND	1	0.22	5	ug/Kg ug/Kg		12/29/16	ZZ	
4-Isopropyltoluene		ND	1	0.27	5	ug/Kg ug/Kg		12/29/16	ZZ	
4-Methyl-2-pentanone (MIBK)		ND	1	0.27	5	ug/Kg ug/Kg		12/29/16	ZZ	
Acetone		ND	<u>.</u> ' 1	10	100	ug/Kg ug/Kg		12/29/16	ZZ	
Allyl Chloride		ND	1	0.14				12/29/16	ZZ	
Benzene		0.59 J		0.14	5 5	ug/Kg		12/29/16	ZZ	1
			1		5 5	ug/Kg				J
Bromobenzene		ND ND	1 1 1	0.3	<u>.</u> 5 5	ug/Kg ug/Kg		12/29/16 12/29/16	ZZ ZZ	

**Sampled:** 12/22/2016 13:40 **Site:** 

Sample #: 385825-112 Client Sample #: S2/SG2-10' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Bromodichloromethane	ND	1	0.2	5	ug/Kg		12/29/16	ZZ	
Bromoform	ND	1	0.19	5	ug/Kg		12/29/16	ZZ	
Bromomethane	ND	1	0.22	5	ug/Kg		12/29/16	ZZ	
Carbon Tetrachloride	ND	1	0.18	5	ug/Kg		12/29/16	ZZ	
Chlorobenzene	ND	1	0.18	5	ug/Kg		12/29/16	ZZ	
Chlorodibromomethane	ND	1	0.19	5	ug/Kg		12/29/16	ZZ	
Chloroethane	ND	1	0.2	5	ug/Kg		12/29/16	ZZ	
Chloroform	ND	1	0.17	5	ug/Kg		12/29/16	ZZ	
Chloromethane	ND	1	0.21	5	ug/Kg		12/29/16	ZZ	
cis-1,2-Dichloroethene	ND	1	0.2	5	ug/Kg		12/29/16	ZZ	
cis-1,3-dichloropropene	ND	1	0.2	5	ug/Kg		12/29/16	ZZ	
cis-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg		12/29/16	ZZ	
Dibromomethane	ND	1	0.21	5	ug/Kg		12/29/16	ZZ	
Dichlorodifluoromethane	ND	1	0.23	5	ug/Kg		12/29/16	ZZ	
Di-isopropyl ether (DIPE)	ND	1	0.21	5	ug/Kg		12/29/16	ZZ	
Ethylbenzene	ND	1	0.23	5	ug/Kg		12/29/16	ZZ	
Ethyl-tertbutylether (ETBE)	ND	1	0.42	5	ug/Kg		12/29/16	ZZ	
Hexachlorobutadiene	ND	1	0.42	5	ug/Kg		12/29/16	ZZ	
Isopropylbenzene	ND	1	0.25	5	ug/Kg		12/29/16	ZZ	
m and p-Xylene	ND	1	0.38	5	ug/Kg		12/29/16	ZZ	
Methylene chloride	ND	1	0.21	5	ug/Kg		12/29/16	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	1	0.17	5	ug/Kg		12/29/16	ZZ	
Naphthalene	ND	1	0.16	5	ug/Kg		12/29/16	ZZ	
N-butylbenzene	ND	1	0.25	5	ug/Kg		12/29/16	ZZ	
N-propylbenzene	ND	1	0.22	5	ug/Kg		12/29/16	ZZ	
o-Xylene	ND	1	0.19	5	ug/Kg		12/29/16	ZZ	
Sec-butylbenzene	ND	1	0.28	5	ug/Kg		12/29/16	ZZ	
Styrene	ND	1	0.13	5	ug/Kg		12/29/16	ZZ	
t-Butyl alcohol (TBA)	ND	1	8.8	10	ug/Kg		12/29/16	ZZ	= = = =
Tert-amylmethylether (TAME)	ND	1	0.19	5	ug/Kg		12/29/16	ZZ	
Tert-butylbenzene	ND	1	0.34	5	ug/Kg		12/29/16	ZZ	
Tetrachloroethene	ND	1	0.23	5	ug/Kg		12/29/16	ZZ	
Toluene	0.26 J	<del>·</del>	0.17	5	ug/Kg		12/29/16	ZZ	J
trans-1,2-dichloroethene	ND	1	0.19	5	ug/Kg		12/29/16	ZZ	•
trans-1,3-dichloropropene	ND	1	0.18	5	ug/Kg ug/Kg		12/29/16	ZZ	
trans-1,4-dichloro-2-butene	ND	1	0.2	5	ug/Kg ug/Kg		12/29/16	ZZ	
Trichloroethene	ND	<u>'</u>	0.23	5	ug/Kg ug/Kg		12/29/16	ZZ	
Trichlorofluoromethane	ND	1	0.23	5	ug/Kg ug/Kg		12/29/16	ZZ	
Vinyl Chloride	ND	1	0.23	5	ug/Kg ug/Kg		12/29/16	ZZ	
Xylenes (Total)	ND	1	0.14	5	ug/Kg ug/Kg		12/29/16	ZZ	
Surrogate		ecovery		<u>Limits</u>	<u>Notes</u>				
1,2-Dichloroethane-d4 (SUR)		127		70-145	110100				
4-Bromofluorobenzene (SUR)		129		70-145 70-145					
Dibromodifluoromethane (SUR)		115		70-1 <del>4</del> 5 70-145					
Toluene-d8 (SUR)		104		70-1 <del>4</del> 5 70-145					

Sample #: 385825-113 Client Sample #: S3/SG3-5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed		
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchl	D: Q	C1173760
Antimony		ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN	
Arsenic		1.10	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN	
Barium		172	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN	
Beryllium		ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN	
Cadmium		0.50	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN	
Chromium		19.7	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Cobalt		14.1	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN	
Copper		19.8	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN	
Lead		0.90	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Molybdenum		ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Nickel		11.6	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN	
Selenium		ND	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN	
Silver		ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN	
Thallium		ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN	
Vanadium		41.2	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN	
Zinc		47.4	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 7471A NELAC	Prep Method:	EPA 7471A						QCBatchl	D: Q	C1173955
Mercury	· · ·	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP	
Method: EPA 8260B NELAC	Prep Method:	EPA 5035A						QCBatchl	D: Q	C1173695
1,1,1,2-Tetrachloroethane		ND	0.93	0.2232	4.65	ug/Kg		12/29/16	ZZ	
1,1,1-Trichloroethane		ND	0.93	0.1395	4.65	ug/Kg		12/29/16	ZZ	
1,1,2,2-Tetrachloroethane		ND	0.93	0.2697	4.65	ug/Kg		12/29/16	ZZ	
1,1,2-Trichloroethane		ND	0.93	0.2046	4.65	ug/Kg		12/29/16	ZZ	
1,1,2-Trichlorotrifluoroethane		ND		0.6882	4.65	ug/Kg		12/29/16	ZZ	
1,1-Dichloroethane		ND	0.93	0.2139	4.65	ug/Kg		12/29/16	ZZ	
1,1-Dichloroethene		ND	0.93	0.1674	4.65	ug/Kg		12/29/16	ZZ	
1,1-Dichloropropene		ND	0.93	0.1953	4.65	ug/Kg		12/29/16	ZZ	
1,2,3-Trichlorobenzene		ND		0.1674	4.65	ug/Kg		12/29/16	ZZ	
1,2,3-Trichloropropane		ND	0.93	0.186	4.65	ug/Kg		12/29/16	ZZ	
1,2,4-Trichlorobenzene		ND	0.93	0.3069	4.65	ug/Kg		12/29/16	ZZ	
1,2,4-Trimethylbenzene		ND	0.93	0.2604	4.65	ug/Kg		12/29/16	ZZ	
1,2-Dibromo-3-chloropropane		ND	0.93	0.186	4.65	ug/Kg		12/29/16	ZZ	
1,2-Dibromoethane		ND	0.93	0.1116	4.65	ug/Kg		12/29/16	ZZ	
1,2-Dichlorobenzene		ND		0.1674	4.65	ug/Kg		12/29/16	ZZ	
1,2-Dichloroethane		ND		0.1302	4.65	ug/Kg		12/29/16	ZZ	
1,2-Dichloropropane		ND	0.93	0.3162	4.65	ug/Kg		12/29/16	ZZ	
1,3,5-Trimethylbenzene		ND	0.93	0.2139	4.65	ug/Kg		12/29/16	ZZ	
1,3-Dichlorobenzene		ND	0.93	0.1953	4.65	ug/Kg		12/29/16	ZZ	
1,3-Dichloropropane		ND		0.1767	4.65	ug/Kg		12/29/16	ZZ	
1,4-Dichlorobenzene		ND		0.2232	4.65	ug/Kg		12/29/16	ZZ	
2,2-Dichloropropane		ND	0.93	0.1767	4.65	ug/Kg		12/29/16	ZZ	
2-Butanone (MEK)		1.1 J	0.93	0.6696	93	ug/Kg		12/29/16	ZZ	J
2-Chloroethyl Vinyl Ether		ND	0.93	0.279	4.65	ug/Kg		12/29/16	ZZ	*
2-Chlorotoluene		ND		0.2325	4.65	ug/Kg		12/29/16	ZZ	
4-Chlorotoluene		ND	0.93	0.2046	4.65	ug/Kg		12/29/16	ZZ	
4-Isopropyltoluene		ND		0.2511	4.65	ug/Kg		12/29/16	ZZ	
4-Methyl-2-pentanone (MIBK)		ND		0.1581	4.65	ug/Kg		12/29/16	ZZ	
Acetone		16 J	0.93	9.3	93	ug/Kg		12/29/16	ZZ	J
Allyl Chloride		ND	0.93	0.1302	4.65	ug/Kg		12/29/16	ZZ	
Benzene		1.6 J	0.93	0.1674	4.65	ug/Kg		12/29/16	ZZ	J
Bromobenzene		ND	0.93	0.279	4.65	ug/Kg		12/29/16	ZZ	
Bromochloromethane		ND		0.1674	4.65	ug/Kg		12/29/16	ZZ	
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Sampled: 12/22/2016 14:35 Site:

Sample #: 385825-113 Client Sample #: S3/SG3-5' Sample Type:

Analyte	Result	DF			Units	Prepared	Analyzed		Notes
Bromodichloromethane	ND	0.93	0.186	4.65	ug/Kg		12/29/16	ZZ	
Bromoform	ND	0.93	0.1767	4.65	ug/Kg		12/29/16	ZZ	
Bromomethane	ND	0.93	0.2046	4.65	ug/Kg		12/29/16	ZZ	
Carbon Tetrachloride	ND		0.1674	4.65	ug/Kg		12/29/16	ZZ	
Chlorobenzene	ND		0.1674	4.65	ug/Kg		12/29/16	ZZ	
Chlorodibromomethane	ND	0.93	0.1767	4.65	ug/Kg		12/29/16	ZZ	
Chloroethane	ND	0.93	0.186	4.65	ug/Kg		12/29/16	ZZ	
Chloroform	ND	0.93	0.1581	4.65	ug/Kg		12/29/16	ZZ	
Chloromethane	ND	0.93	0.1953	4.65	ug/Kg	· -	12/29/16	ZZ	_
cis-1,2-Dichloroethene	ND	0.93	0.186	4.65	ug/Kg		12/29/16	ZZ	
cis-1,3-dichloropropene	ND	0.93	0.186	4.65	ug/Kg		12/29/16	ZZ	
cis-1,4-dichloro-2-butene	ND	0.93	0.186	4.65	ug/Kg		12/29/16	ZZ	
Dibromomethane	ND	0.93	0.1953	4.65	ug/Kg		12/29/16	ZZ	
Dichlorodifluoromethane	ND	0.93	0.2139	4.65	ug/Kg		12/29/16	ZZ	
Di-isopropyl ether (DIPE)	ND	0.93	0.1953	4.65	ug/Kg		12/29/16	ZZ	
Ethylbenzene	ND	0.93	0.2139	4.65	ug/Kg		12/29/16	ZZ	
Ethyl-tertbutylether (ETBE)	ND	0.93	0.3906	4.65	ug/Kg		12/29/16	ZZ	
Hexachlorobutadiene	ND	0.93	0.3906	4.65	ug/Kg		12/29/16	ZZ	
Isopropylbenzene	ND	0.93	0.2325	4.65	ug/Kg		12/29/16	ZZ	
m and p-Xylene	ND	0.93	0.3534	4.65	ug/Kg		12/29/16	ZZ	
Methylene chloride	ND		0.1953	4.65	ug/Kg		12/29/16	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	0.93	0.1581	4.65	ug/Kg		12/29/16	ZZ	
Naphthalene	ND	0.93	0.1488	4.65	ug/Kg		12/29/16	ZZ	
N-butylbenzene	ND	0.93	0.2325	4.65	ug/Kg		12/29/16	ZZ	
N-propylbenzene	ND		0.2046	4.65	ug/Kg		12/29/16	ZZ	
o-Xylene	ND	0.93	0.1767	4.65	ug/Kg		12/29/16	ZZ	
Sec-butylbenzene	ND	0.93	0.2604	4.65	ug/Kg		12/29/16	ZZ	
Styrene	ND	0.93	0.1209	4.65	ug/Kg		12/29/16	ZZ	
t-Butyl alcohol (TBA)	ND	0.93	8.184	9.3	ug/Kg		12/29/16	ZZ	
Tert-amylmethylether (TAME)	ND	0.93	0.1767	4.65	ug/Kg		12/29/16	ZZ	
Tert-butylbenzene	ND	0.93	0.3162	4.65	ug/Kg		12/29/16	ZZ	
Tetrachloroethene	ND		0.2139	4.65	ug/Kg		12/29/16	ZZ	
Toluene	0.53 J		0.1581	4.65	ug/Kg		12/29/16	ZZ	<u>-</u> -
trans-1,2-dichloroethene	ND		0.1767	4.65	ug/Kg		12/29/16	ZZ	•
trans-1,3-dichloropropene	ND	0.93	0.1674	4.65	ug/Kg ug/Kg		12/29/16	ZZ	
trans-1,4-dichloro-2-butene	ND	0.93	0.186	4.65	ug/Kg ug/Kg		12/29/16	ZZ	
Trichloroethene	ND		0.2139	4.65	ug/Kg		12/29/16	ZZ	
Trichlorofluoromethane	ND		0.2139	4.65	ug/Kg ug/Kg		12/29/16	ZZ	
Vinyl Chloride	ND		0.1302	4.65	ug/Kg ug/Kg		12/29/16	ZZ	
Xylenes (Total)	ND		0.3534	4.65	ug/Kg ug/Kg		12/29/16	ZZ	
<u>Surrogate</u>	<u>% I</u>	<u>Recover</u>	¥	<u>Limits</u>	<u>Notes</u>				
1,2-Dichloroethane-d4 (SUR)		136		70-145					
4-Bromofluorobenzene (SUR)		119		70-145					
Dibromodifluoromethane (SUR)		119		70-145					
Toluene-d8 (SUR)		100		70-145					

Sample #: 385825-114 Client Sample #: S3/SG3-10' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyze	d Bv	Notes
Method: EPA 6010B NELAC	Prep Method:					0		QCBatch		
Antimony		ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN	
Arsenic		0.82 J	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN	J
Barium		66.1	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN	
Beryllium		ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN	
Cadmium		ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN	
Chromium		6.08	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Cobalt		5.73	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN	
Copper		5.97	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN	
Lead		ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Molybdenum		ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Nickel		3.26	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN	
Selenium		ND	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN	
Silver		ND	<u>.</u> . 1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN	
Thallium		ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN	
Vanadium		18.7	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN	
Zinc		18.3	1	0.37	5	mg/Kg	12/28/16	12/29/16	JN	
				0.20		mg/rvg	12120110			
Method: EPA 7471A NELAC	Prep Method:			0.00	0.11		04/00/110	QCBatch		1173955
Mercury		ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP	
Method: EPA 8260B NELAC	Prep Method:							QCBatch		C1173695
1,1,1,2-Tetrachloroethane		ND	0.96	0.2304	4.8	ug/Kg		12/29/16	ZZ	
1,1,1-Trichloroethane		ND	0.96	0.144	4.8	ug/Kg		12/29/16	ZZ	
1,1,2,2-Tetrachloroethane		ND	0.96	0.2784	4.8	ug/Kg		12/29/16	ZZ	
1,1,2-Trichloroethane		ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ	
1,1,2-Trichlorotrifluoroethane		ND	0.96	0.7104	4.8	ug/Kg		12/29/16	ZZ	
1,1-Dichloroethane		ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ	
1,1-Dichloroethene		ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ	
1,1-Dichloropropene		ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ	
1,2,3-Trichlorobenzene		ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ	
1,2,3-Trichloropropane		ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
1,2,4-Trichlorobenzene		ND	0.96	0.3168	4.8	ug/Kg		12/29/16	ZZ	
1,2,4-Trimethylbenzene		ND	0.96	0.2688	4.8	ug/Kg		12/29/16	ZZ	
1,2-Dibromo-3-chloropropane		ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
1,2-Dibromoethane		ND	0.96	0.1152	4.8	ug/Kg		12/29/16	ZZ	
1,2-Dichlorobenzene		ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ	
1,2-Dichloroethane		ND	0.96	0.1344	4.8	ug/Kg		12/29/16	ZZ	
1,2-Dichloropropane		ND		0.3264	4.8	ug/Kg		12/29/16	ZZ	
1,3,5-Trimethylbenzene		ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ	
1,3-Dichlorobenzene		ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ	
1,3-Dichloropropane		ND		0.1824	4.8	ug/Kg		12/29/16	ZZ	
1,4-Dichlorobenzene		ND	0.96	0.2304	4.8	ug/Kg		12/29/16	ZZ	
2,2-Dichloropropane		ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ	
2-Butanone (MEK)		ND	0.96	0.6912	96	ug/Kg		12/29/16	ZZ	
2-Chloroethyl Vinyl Ether		ND	0.96	0.288	4.8	ug/Kg		12/29/16	ZZ	
2-Chlorotoluene		ND	0.96	0.24	4.8	ug/Kg		12/29/16	ZZ	
4-Chlorotoluene		ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ	
4-Isopropyltoluene		ND	0.96	0.2592	4.8	ug/Kg		12/29/16	ZZ	
4-Methyl-2-pentanone (MIBK)		ND	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ	
Acetone		ND	0.96	9.6	96	ug/Kg ug/Kg		12/29/16	ZZ	
Allyl Chloride		ND	0.96	0.1344	4.8	ug/Kg ug/Kg		12/29/16	ZZ	
Benzene		0.44 J	0.96	0.1344	4.8	ug/Kg ug/Kg		12/29/16	ZZ	J
Bromobenzene		0.44 J ND	0.96	0.1728	4.8	ug/Kg ug/Kg		12/29/16	ZZ	J
Bromochloromethane		ND		0.288	4.8	ug/Kg ug/Kg		12/29/16	ZZ	

Sampled: 12/22/2016 14:40 Site:

Analyte	Result	DF		RDL	Units	Prepared	Analyzed		Notes
Bromodichloromethane	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
Bromoform	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ	
Bromomethane	ND	0.96	0.2112	4.8	ug/Kg		12/29/16	ZZ	
Carbon Tetrachloride	ND		0.1728	4.8	ug/Kg		12/29/16	ZZ	
Chlorobenzene	ND	0.96	0.1728	4.8	ug/Kg		12/29/16	ZZ	
Chlorodibromomethane	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ	
Chloroethane	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
Chloroform	ND	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ	
Chloromethane	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ	
cis-1,2-Dichloroethene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
cis-1,3-dichloropropene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
cis-1,4-dichloro-2-butene	ND	0.96	0.192	4.8	ug/Kg		12/29/16	ZZ	
Dibromomethane	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ	
Dichlorodifluoromethane	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ	
Di-isopropyl ether (DIPE)	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ	
Ethylbenzene	ND	0.96	0.2208	4.8	ug/Kg		12/29/16	ZZ	
Ethyl-tertbutylether (ETBE)	ND	0.96	0.4032	4.8	ug/Kg		12/29/16	ZZ	
Hexachlorobutadiene	ND	0.96	0.4032	4.8	ug/Kg		12/29/16	ZZ	
Isopropylbenzene	ND	0.96	0.24	4.8	ug/Kg		12/29/16	ZZ	
m and p-Xylene	ND	0.96	0.3648	4.8	ug/Kg		12/29/16	ZZ	
Methylene chloride	ND	0.96	0.2016	4.8	ug/Kg		12/29/16	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	0.96	0.1632	4.8	ug/Kg		12/29/16	ZZ	
Naphthalene	ND	0.96	0.1536	4.8	ug/Kg		12/29/16	ZZ	
N-butylbenzene	ND	0.96	0.24	4.8	ug/Kg		12/29/16	ZZ	
N-propylbenzene	ND		0.2112	4.8	ug/Kg		12/29/16	ZZ	
o-Xylene	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ	
Sec-butylbenzene	ND	0.96	0.2688	4.8	ug/Kg		12/29/16	ZZ	
Styrene	ND	0.96	0.1248	4.8	ug/Kg		12/29/16	ZZ	
t-Butyl alcohol (TBA)	ND	0.96	8.448	9.6	ug/Kg		12/29/16	ZZ	
Tert-amylmethylether (TAME)	ND	0.96	0.1824	4.8	ug/Kg		12/29/16	ZZ	
Tert-butylbenzene	ND	0.96	0.3264	4.8	ug/Kg ug/Kg		12/29/16	ZZ	
Tetrachloroethene	ND	0.96	0.2208	4.8	ug/Kg ug/Kg		12/29/16	ZZ	
Toluene	0.28 J		0.1632	4.8	ug/Kg ug/Kg		12/29/16	ZZ	<sub>-</sub>
trans-1,2-dichloroethene	ND	0.96	0.1824	4.8	ug/Kg ug/Kg		12/29/16	ZZ	J
trans-1,3-dichloropropene	ND ND	0.96	0.1024	4.8	ug/Kg ug/Kg		12/29/16	ZZ	
trans-1,4-dichloro-2-butene	ND ND	0.96	0.1728	4.8	ug/Kg ug/Kg		12/29/16	ZZ	
Trichloroethene	ND ND		0.192	4.8	ug/Kg ug/Kg		12/29/16	ZZ	
Trichlorofluoromethane			0.2208	4.8	ug/Kg ug/Kg		12/29/16	ZZ	
	ND ND						12/29/16		
Vinyl Chloride	ND ND		0.1344	4.8	ug/Kg			ZZ	
Xylenes (Total)	ND		0.3648	4.8	ug/Kg		12/29/16	ZZ	
<u>Surrogate</u>	<u>%                                    </u>	Recover	¥	<u>Limits</u>	<u>Notes</u>				
1,2-Dichloroethane-d4 (SUR)		138		70-145					
4-Bromofluorobenzene (SUR)		117		70-145					
Dibromodifluoromethane (SUR)		120		70-145					
Toluene-d8 (SUR)		101		70-145					

Sample #: 385825-115 Client Sample #: S50/SG4-5' Sample Type:

Analysis		Danult	D.	MDI	DDI	I I m ! 4 m	Duamanad	Analona	. D	Mataa
Analyte Method: EPA 6010B NELAC	Prep Method:	Result	DF	MDL	RDL	Units	Prepared	Analyze QCBatch		Notes
Antimony	Fieb Metriod.	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN	,1173700
Arsenic		1.60	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN	
Barium		174	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN	
Beryllium		ND	1	0.23	0.5	mg/Kg	12/28/16	12/29/16	JN	
Cadmium		0.39 J	<u>'</u> - 1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN	· J
Chromium		17.3	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	J
Cobalt		13.2	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN	
Copper		19.0	1	0.19	1	mg/Kg	12/28/16	12/29/16	JN	
Lead		0.40 J	<u>'</u> - 1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	<u>-</u> ·
Molybdenum		ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	J
Nickel		10.4	1	0.13	1.5	mg/Kg	12/28/16	12/29/16	JN	
Selenium		1.53	1	0.72	1.3	mg/Kg	12/28/16	12/29/16	JN	
Silver		ND	<u>-</u> '- 1	0.12	0.5	mg/Kg	12/28/16	12/29/16	JN	
Thallium		ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Vanadium		36.8	1	0.42	0.5	mg/Kg	12/28/16	12/29/16	JN	
Zinc		50.6 51.5	1	0.37	0.5 5	mg/Kg	12/28/16	12/29/16	JN	
			<u>'-</u>	0.20		my/Ng	12/20/10			44700
Method: EPA 7471A NELAC	Prep Method:						0.1/0.0/10	QCBatch		1173955
Mercury		ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP	
Method: EPA 8015M	Prep Method:							QCBatch		1173797
TPH (C10 to C28)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
TPH (C28 to C40)		19	1		50	mg/Kg	12/28/16	12/29/16	LT	
TPH (C8 to C10)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
Method: EPA 8082 NELAC	Prep Method:	EPA 3545						QCBatch	ID: QC	1173791
PCB-1016		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1221		ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1232		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1242		ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1248		ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1254		ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1260		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1262		ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1268		ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW	
Surrogate		%	Recove	rv	<u>Limits</u>	Note:	s			
Decachlorobiphenyl DCB (SUI	R)		69	<del></del>	50-150		_			
Method: EPA 8260B NELAC	Prep Method:	EDA 5035A						QCBatch	ID: OC	1173605
1,1,1,2-Tetrachloroethane	i icp welliou.	ND	1.06	0.2544	5.3	ug/Kg		12/28/16	ZZ	
1,1,1-Trichloroethane		ND	1.06	0.2544	5.3	ug/Kg ug/Kg		12/28/16	ZZ	
1,1,2,2-Tetrachloroethane		ND	1.06	0.3074	5.3	ug/Kg ug/Kg		12/28/16	ZZ	
1,1,2-Trichloroethane		ND	1.06	0.2332	5.3	ug/Kg ug/Kg		12/28/16	ZZ	
1,1,2-Trichlorottifluoroethane		ND ND		0.7844	5.3	ug/Kg ug/Kg		12/28/16	ZZ	
1,1-Dichloroethane		ND	1.06	0.7644	5.3	ug/Kg ug/Kg		12/28/16	ZZ	
1,1-Dichloroethane		ND	1.06	0.1908	5.3	ug/Kg ug/Kg		12/28/16	ZZ	
1,1-Dichloropropene		ND	1.06	0.1300	5.3	ug/Kg ug/Kg		12/28/16	ZZ	
1,2,3-Trichlorobenzene		ND ND		0.1908	5.3	ug/Kg ug/Kg		12/28/16	ZZ	
1,2,3-Trichloropropane		ND	1.06	0.212	5.3	ug/Kg		12/28/16	ZZ	
1,2,4-Trichlorobenzene		ND	1.06	0.3498	5.3	ug/Kg ug/Kg		12/28/16	ZZ	
1,2,4-Trimethylbenzene		ND		0.2968	5.3	ug/Kg ug/Kg		12/28/16	ZZ	
1,2-Dibromo-3-chloropropane		ND ND	1.06	0.2300	5.3	ug/Kg ug/Kg		12/28/16	ZZ	
1,2-Dibromoethane		ND	1.06	0.1272	5.3	ug/Kg ug/Kg		12/28/16	ZZ	
1,2-Dichlorobenzene		ND	1.06	0.1272	5.3	ug/Kg ug/Kg		12/28/16	ZZ	
1,2-Dichloroethane		ND		0.1908	5.3	ug/Kg ug/Kg		12/28/16	ZZ	
1,2-DIGNOI OCHIANE				0.1704		ug/itg		12/20/10		

Sample #: 385825-115 Client Sample #: S50/SG4-5' Sample Type:

Analyte	Result	DF		RDL	Units	Prepared	Analyzed		Notes
1,2-Dichloropropane	ND	1.06	0.3604	5.3	ug/Kg			ZZ	
1,3,5-Trimethylbenzene	ND	1.06	0.2438	5.3	ug/Kg		12/28/16	ZZ	
1,3-Dichlorobenzene	ND	1.06	0.2226	5.3	ug/Kg		12/28/16	ZZ	
1,3-Dichloropropane	ND	1.06	0.2014	5.3	ug/Kg		12/28/16	ZZ	
1,4-Dichlorobenzene	ND	1.06	0.2544	5.3	ug/Kg		12/28/16	ZZ	
2,2-Dichloropropane	ND	1.06	0.2014	5.3	ug/Kg		12/28/16	ZZ	
2-Butanone (MEK)	ND	1.06	0.7632	106	ug/Kg		12/28/16	ZZ	
2-Chloroethyl Vinyl Ether	ND	1.06	0.318	5.3	ug/Kg		12/28/16	ZZ	
2-Chlorotoluene	ND	1.06	0.265	5.3	ug/Kg		12/28/16	ZZ	
4-Chlorotoluene	ND	1.06	0.2332	5.3	ug/Kg		12/28/16	ZZ	
4-Isopropyltoluene	ND	1.06	0.2862	5.3	ug/Kg		12/28/16	ZZ	
4-Methyl-2-pentanone (MIBK)	ND	1.06	0.1802	5.3	ug/Kg		12/28/16	ZZ	
Acetone	ND	1.06	10.6	106	ug/Kg		12/28/16	ZZ	
Allyl Chloride	ND	1.06	0.1484	5.3	ug/Kg			ZZ	
Benzene	0.39 J	1.06	0.1908	5.3	ug/Kg			ZZ	J
Bromobenzene	ND	1.06	0.318	5.3	ug/Kg			ZZ	ŭ
Bromochloromethane	ND	1.06	0.1908	5.3	ug/Kg ug/Kg			ZZ	
Bromodichloromethane	ND	1.06	0.1900	5.3	ug/Kg ug/Kg			ZZ	
Bromoform	ND ND	1.06	0.212	5.3				ZZ	
					ug/Kg			ZZ	
Bromomethane	ND	1.06	0.2332	5.3	ug/Kg				
Carbon Tetrachloride	ND	1.06	0.1908	5.3	ug/Kg			ZZ	
Chlorobenzene	ND	1.06	0.1908	5.3	ug/Kg			ZZ	
Chlorodibromomethane	ND	1.06	0.2014	5.3	ug/Kg			ZZ	
Chloroethane	ND	1.06	0.212	5.3	ug/Kg			ZZ	
Chloroform	ND	1.06	0.1802	5.3	ug/Kg			ZZ	
Chloromethane	ND	1.06	0.2226	5.3	ug/Kg			ZZ	
cis-1,2-Dichloroethene	ND	1.06	0.212	5.3	ug/Kg			ZZ	
cis-1,3-dichloropropene	ND	1.06	0.212	5.3	ug/Kg			ZZ	
cis-1,4-dichloro-2-butene	ND	1.06	0.212	5.3	ug/Kg		12/28/16	ZZ	
Dibromomethane	ND	1.06	0.2226	5.3	ug/Kg		12/28/16	ZZ	
Dichlorodifluoromethane	ND	1.06	0.2438	5.3	ug/Kg		12/28/16	ZZ	
Di-isopropyl ether (DIPE)	ND	1.06	0.2226	5.3	ug/Kg		12/28/16	ZZ	
Ethylbenzene	ND	1.06	0.2438	5.3	ug/Kg		12/28/16	ZZ	
Ethyl-tertbutylether (ETBE)	ND	1.06	0.4452	5.3	ug/Kg		12/28/16	ZZ	
Hexachlorobutadiene	ND	1.06	0.4452	5.3	ug/Kg		12/28/16	ZZ	
Isopropylbenzene	ND	1.06	0.265	5.3	ug/Kg		12/28/16	ZZ	
m and p-Xylene	ND	1.06	0.4028	5.3	ug/Kg		12/28/16	ZZ	
Methylene chloride	ND	1.06	0.2226	5.3	ug/Kg		12/28/16	ZZ	
Methyl-t-butyl Ether (MTBE)	ND		0.1802	5.3	ug/Kg			ZZ	
Naphthalene	ND		0.1696	5.3	ug/Kg			ZZ	
N-butylbenzene	ND	1.06	0.265	5.3	ug/Kg			ZZ	
N-propylbenzene	ND	1.06		5.3	ug/Kg			ZZ	
o-Xylene	ND		0.2014	5.3	ug/Kg			ZZ	
Sec-butylbenzene	ND		0.2968	5.3	ug/Kg ug/Kg			ZZ	
Styrene	ND		0.1378	5.3	ug/Kg ug/Kg			ZZ ZZ	
t-Butyl alcohol (TBA)	ND ND	1.06	9.328	10.6	ug/Kg ug/Kg			ZZ	
Tert-amylmethylether (TAME)	ND ND	1.06		5.3	ug/Kg ug/Kg			ZZ	
	ND ND		0.2014					ZZ	
Tetrachlerethene				5.3	ug/Kg				
Tetrachloroethene	ND		0.2438	5.3	ug/Kg			ZZ	
Toluene	0.25 J	1.06		5.3	ug/Kg			ZZ	J
trans-1,2-dichloroethene	ND	1.06		5.3	ug/Kg			ZZ	
trans-1,3-dichloropropene	ND		0.1908	5.3	ug/Kg			ZZ	
trans-1,4-dichloro-2-butene	ND	1.06	0.212	5.3	ug/Kg		12/28/16	ZZ	

**Sampled:** 12/22/2016 11:05 **Site:** 

Sample #: 385825-115 Client Sample #: S50/SG4-5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Trichloroethene	ND	1.06	0.2438	5.3	ug/Kg		12/28/16	ZZ	_
Trichlorofluoromethane	ND	1.06	0.2438	5.3	ug/Kg		12/28/16	ZZ	
Vinyl Chloride	ND	1.06	0.1484	5.3	ug/Kg		12/28/16	ZZ	
Xylenes (Total)	ND	1.06	0.4028	5.3	ug/Kg		12/28/16	ZZ	
<u>Surrogate</u>	<u>% F</u>	Recover	¥	<u>Limits</u>	<u>Notes</u>				
1,2-Dichloroethane-d4 (SUR)		131		70-145					
4-Bromofluorobenzene (SUR)		117		70-145					
Dibromodifluoromethane (SUR)		110		70-145					
Toluene-d8 (SUR)		101		70-145					

Sampled: 12/22/2016 11:10 Site:

Sample #: 385825-116 Client Sample #: S50/SG4-10' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	d By Notes
Method: EPA 6010B NELAC	Prep Method:								ID: QC1173760
Antimony		ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
Arsenic		1.25	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN
Barium		87.4	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium		ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
Cadmium		ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN
Chromium		9.76	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
Cobalt		7.53	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
Copper		8.43	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
Lead		ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum		ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
Nickel		4.62	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
Selenium		ND	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN
Silver		ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium		ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
Vanadium		25.8	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
Zinc		24.9	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A NELAC	Prep Method:	EPA 7471A						QCBatch	ID: QC1173955
Mercury		ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8015M	Prep Method:							QCBatch	ID: QC1173797
TPH (C10 to C28)	- 1	ND	1		10	mg/Kg	12/28/16	12/29/16	LT
TPH (C28 to C40)		19	1		50	mg/Kg	12/28/16	12/29/16	LT
TPH (C8 to C10)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT
Method: EPA 8082 NELAC	Prep Method:	FPA 3545							ID: QC1173791
PCB-1016	1 Top Mourou.	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1221		ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1232		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1242		ND	1		0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1248		ND	<u>:</u> - 1		0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1254		ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1260		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1262		ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1268		ND	<u>:</u> - 1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW
<u>Surrogate</u>			Recover		Limits	<u>Note</u>			
Decachlorobiphenyl DCB (SUR)		<u>/0 1</u>	60	¥	50-150	INOLE	<u>s</u>		
		EDA 5025A			00-100			000-4-6	ID: 00117200F
Method: EPA 8260B NELAC  1,1,1,2-Tetrachloroethane	Prep Method:	ND	1.04	0.2496	5.2	ug/Kg		12/29/16	ID: QC1173695 ZZ
1,1,1,2-retrachioroethane		ND ND	1.04	0.2496	5.2 5.2	ug/Kg ug/Kg		12/29/16	ZZ
1,1,2,2-Tetrachloroethane		ND	1.04	0.130	5.2	ug/Kg ug/Kg		12/29/16	ZZ
1,1,2-Trichloroethane		ND		0.2288	5.2	ug/Kg ug/Kg		12/29/16	ZZ
1,1,2-Trichlorotrifluoroethane		ND	1.04	0.7696	5.2	ug/Kg ug/Kg		12/29/16	ZZ ZZ
1,1-Dichloroethane		ND	1.04	0.2392	5.2	ug/Kg ug/Kg		12/29/16	ZZ
1,1-Dichloroethene		ND	1.04	0.1872	5.2	ug/Kg		12/29/16	ZZ
1,1-Dichloropropene		ND		0.2184	5.2	ug/Kg		12/29/16	ZZ
1,2,3-Trichlorobenzene		ND	1.04	0.1872	5.2	ug/Kg		12/29/16	ZZ
1,2,3-Trichloropropane		ND	1.04	0.208	5.2	ug/Kg		12/29/16	ZZ
1,2,4-Trichlorobenzene		ND	1.04	0.3432	5.2	ug/Kg		12/29/16	ZZ
1,2,4-Trimethylbenzene		ND		0.2912	5.2	ug/Kg		12/29/16	ZZ
1,2-Dibromo-3-chloropropane		ND	1.04	0.208	5.2	ug/Kg		12/29/16	ZZ
1,2-Dibromoethane		ND	1.04	0.1248	5.2	ug/Kg		12/29/16	ZZ
1,2-Dichlorobenzene		ND	1.04	0.1872	5.2	ug/Kg		12/29/16	ZZ
1,2-Dichloroethane		ND		0.1456	5.2	ug/Kg		12/29/16	ZZ
.,					·	~5'.'8			<del></del>

**Sampled:** 12/22/2016 11:10 Site:

Sample #: 385825-116 Client Sample #: S50/SG4-10' Sample Type:

Analyte	Result	DF		RDL	Units	Prepared	Analyzed		Note
1,2-Dichloropropane	ND	1.04	0.3536	5.2	ug/Kg		12/29/16	ZZ	
1,3,5-Trimethylbenzene	ND	1.04	0.2392	5.2	ug/Kg		12/29/16	ZZ	
1,3-Dichlorobenzene	ND	1.04	0.2184	5.2	ug/Kg		12/29/16	ZZ	
1,3-Dichloropropane	ND	1.04	0.1976	5.2	ug/Kg		12/29/16	ZZ	
1,4-Dichlorobenzene	ND	1.04	0.2496	5.2	ug/Kg		12/29/16	ZZ	
2,2-Dichloropropane	ND	1.04	0.1976	5.2	ug/Kg		12/29/16	ZZ	
2-Butanone (MEK)	ND	1.04	0.7488	104	ug/Kg		12/29/16	ZZ	
2-Chloroethyl Vinyl Ether	ND	1.04	0.312	5.2	ug/Kg		12/29/16	ZZ	
2-Chlorotoluene	ND	1.04	0.26	5.2	ug/Kg		12/29/16	ZZ	
4-Chlorotoluene	ND	1.04	0.2288	5.2	ug/Kg		12/29/16	ZZ	
4-Isopropyltoluene	ND	1.04	0.2808	5.2	ug/Kg		12/29/16	ZZ	
4-Methyl-2-pentanone (MIBK)	ND	1.04	0.1768	5.2	ug/Kg		12/29/16	ZZ	
Acetone	ND	1.04	10.4	104	ug/Kg		12/29/16	ZZ	
Allyl Chloride	ND	1.04	0.1456	5.2	ug/Kg		12/29/16	ZZ	
Benzene	0.47 J	1.04	0.1872	5.2	ug/Kg		12/29/16	ZZ	J
Bromobenzene	ND	1.04	0.312	5.2	ug/Kg		12/29/16	ZZ	
Bromochloromethane	ND	1.04	0.1872	5.2	ug/Kg		12/29/16	ZZ	
Bromodichloromethane	ND	1.04	0.208	5.2	ug/Kg		12/29/16	ZZ	
Bromoform	ND	1.04	0.1976	5.2	ug/Kg		12/29/16	ZZ	
Bromomethane	ND	1.04	0.2288	5.2	ug/Kg		12/29/16	ZZ	
Carbon Tetrachloride	ND	1.04	0.1872	5.2	ug/Kg		12/29/16	ZZ	
Chlorobenzene	ND	1.04	0.1872	5.2	ug/Kg		12/29/16	ZZ	
Chlorodibromomethane	ND	1.04	0.1976	5.2	ug/Kg		12/29/16	ZZ	
Chloroethane	ND	1.04	0.208	5.2	ug/Kg ug/Kg		12/29/16	ZZ	
Chloroform	ND ND	1.04	0.208	5.2	ug/Kg ug/Kg		12/29/16	ZZ	
Chloromethane	ND ND	1.04	0.1766	5.2			12/29/16	ZZ	
		1.04	0.2164		ug/Kg			ZZ	
cis-1,2-Dichloroethene	ND			5.2	ug/Kg		12/29/16		
cis-1,3-dichloropropene	ND	1.04	0.208	5.2	ug/Kg		12/29/16	ZZ	
cis-1,4-dichloro-2-butene	ND	1.04	0.208	5.2	ug/Kg		12/29/16	ZZ	
Dibromomethane	ND	1.04	0.2184	5.2	ug/Kg		12/29/16	ZZ	
Dichlorodifluoromethane	2.6 J	1.04	0.2392	5.2	ug/Kg		12/29/16	ZZ	J
Di-isopropyl ether (DIPE)	ND	1.04	0.2184	5.2	ug/Kg		12/29/16	ZZ	
Ethylbenzene	ND	1.04	0.2392	5.2	ug/Kg		12/29/16	ZZ	
Ethyl-tertbutylether (ETBE)	ND	1.04	0.4368	5.2	ug/Kg		12/29/16	ZZ	
Hexachlorobutadiene	ND	1.04	0.4368	5.2	ug/Kg		12/29/16	ZZ	
Isopropylbenzene	ND	1.04	0.26	5.2	ug/Kg		12/29/16	ZZ	
m and p-Xylene	ND	1.04	0.3952	5.2	ug/Kg		12/29/16	ZZ	
Methylene chloride	ND	1.04	0.2184	5.2	ug/Kg		12/29/16	ZZ	
Methyl-t-butyl Ether (MTBE)	ND	1.04	0.1768	5.2	ug/Kg		12/29/16	ZZ	
Naphthalene	ND	1.04	0.1664	5.2	ug/Kg		12/29/16	ZZ	
N-butylbenzene	ND	1.04	0.26	5.2	ug/Kg		12/29/16	ZZ	
N-propylbenzene	ND	1.04	0.2288	5.2	ug/Kg		12/29/16	ZZ	
o-Xylene	ND	1.04	0.1976	5.2	ug/Kg		12/29/16	ZZ	
Sec-butylbenzene	ND	1.04	0.2912	5.2	ug/Kg		12/29/16	ZZ	
Styrene	ND	1.04	0.1352	5.2	ug/Kg		12/29/16	ZZ	
-Butyl alcohol (TBA)	ND	1.04	9.152	10.4	ug/Kg		12/29/16	ZZ	
Tert-amylmethylether (TAME)	ND	1.04	0.1976	5.2	ug/Kg		12/29/16	ZZ	
Tert-butylbenzene	ND	1.04		5.2	ug/Kg		12/29/16	ZZ	
Tetrachloroethene	ND		0.2392	5.2	ug/Kg		12/29/16	ZZ	
Toluene	0.34 J	1.04	0.1768	5.2	ug/Kg		12/29/16	ZZ	J
trans-1,2-dichloroethene	ND	1.04	0.1976	5.2	ug/Kg		12/29/16	ZZ	J
trans-1,3-dichloropropene	ND	1.04	0.1870	5.2	ug/Kg ug/Kg		12/29/16	ZZ	
trans-1,4-dichloro-2-butene	ND ND	1.04	0.1072	5.2	ug/Kg ug/Kg		12/29/16	ZZ	

Sampled: 12/22/2016 11:10 Site:

Sample #: 385825-116 Client Sample #: S50/SG4-10' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Trichloroethene	ND	1.04	0.2392	5.2	ug/Kg		12/29/16	ZZ	
Trichlorofluoromethane	ND	1.04	0.2392	5.2	ug/Kg		12/29/16	ZZ	
Vinyl Chloride	ND	1.04	0.1456	5.2	ug/Kg		12/29/16	ZZ	
Xylenes (Total)	ND	1.04	0.3952	5.2	ug/Kg		12/29/16	ZZ	
<u>Surrogate</u>	<u>% F</u>	Recovery	<u>V</u>	<u>Limits</u>	<u>Notes</u>				
1,2-Dichloroethane-d4 (SUR)		134		70-145					
4-Bromofluorobenzene (SUR)		112		70-145					
Dibromodifluoromethane (SUR)		115		70-145					
Toluene-d8 (SUR)		100		70-145					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 12/22/2016 09:10 Site:

Sample #: 385825-117 Client Sample #: S59-5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed		
Method: EPA 6010B NELAC Prep Method:						10/00/10	QCBatch		C1173760
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN	
Arsenic	1.12	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN	
Barium	162	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN	
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN	
Cadmium	0.49 J	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN	J
Chromium	16.6	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Cobalt	12.6	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN	
Copper	17.7	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN	
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Nickel	9.94	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN	
Selenium	1.68	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN	
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN	
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN	
Vanadium	33.7	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN	
Zinc	43.1	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 7471A NELAC Prep Method:	EPA 7471A						QCBatch	D: Q	C1173955
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP	
Method: EPA 8015M Prep Method:							QCBatch	D: Q	C1173797
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
TPH (C28 to C40)	20	1		50	mg/Kg	12/28/16	12/29/16	LT	
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
Method: EPA 8082 NELAC Prep Method:	EPA 3545						QCBatch	D: Q	C1173791
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW	·
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW	
<u>Surrogate</u>	<u>% Re</u>	ecover	Y	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	5	51		50-150					

Sampled: 12/22/2016 09:15 Site:

Sample #: 385825-118 Client Sample #: S59-10' Sample Type:

Analyte Method: EPA 6010B NELAC	Prep Method:	Result	DF	MDL	. RDL	Units	Prepared	<b>Analyze</b>		<b>Notes</b>
Antimony	i iep welliou.	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN	011/3/00
Arsenic		0.68 J	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN	J
Barium		77.7	1	0.30	1	mg/Kg	12/28/16	12/29/16	JN	J
Beryllium		ND	1	0.23	0.5	mg/Kg	12/28/16	12/29/16	JN	
Cadmium		ND	<u>'</u> - 1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN	
Chromium		6.67	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Cobalt		6.04	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN	
Copper		6.59	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN	
Lead		ND	 1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Molybdenum		ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Nickel		3.80	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN	
Selenium		ND	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN	
Silver		ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN	
Thallium		ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN	
Vanadium		19.1	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN	
Zinc		20.3	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 7471A NELAC	Prep Method:	EPA 7471A						QCBatch	D: Q	C1173955
Mercury	·	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP	
Method: EPA 8015M	Prep Method:							QCBatch	D: Q	C1173797
TPH (C10 to C28)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
TPH (C28 to C40)		15	1		50	mg/Kg	12/28/16	12/29/16	LT	
TPH (C8 to C10)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
Method: EPA 8082 NELAC	Prep Method:	EPA 3545						QCBatch	D: Q	C1173791
PCB-1016		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1221		ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1232		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1242		ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1248		ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1254		ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1260		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1262		ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1268		ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW	
<u>Surrogate</u>		<u>% Re</u>	ecover	¥	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		7	72		50-150					

Sampled: 12/22/2016 09:30 Site:

Sample #: 385825-119 Client Sample #: S60-5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed		
-	thod: EPA 3050B								C1173760
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN	
Arsenic	0.83 J	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN	J
Barium	180	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN	
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN	
Cadmium	0.78	1	0.21	0.5	mg/Kg	12/28/16	01/04/17	JN	
Chromium	19.5	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Cobalt	14.6	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN	
Copper	20.6	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN	
Lead	0.46 J	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	J
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Nickel	11.7	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN	
Selenium	1.36	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN	
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN	
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN	
Vanadium	37.9	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN	
Zinc	49.2	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 7471A NELAC Prep Met	hod: EPA 7471A						QCBatch	ID: Q	C1173955
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP	
Method: EPA 8015M Prep Met	:hod:						QCBatch	ID: Q	C1173797
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
TPH (C28 to C40)	14	1		50	mg/Kg	12/28/16	12/29/16	LT	
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
Method: EPA 8082 NELAC Prep Met	hod: EPA 3545						QCBatch	ID: Q	C1173791
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW	
<u>Surrogate</u>	<u>% Re</u>	cover	¥	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	5	55		50-150					

Sampled: 12/22/2016 09:35 Site:

Sample #: 385825-120 Client Sample #: S60-10' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed		
Method: EPA 6010B NELAC	Prep Method:									C1173760
Antimony		ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN	
Arsenic		0.58 J	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN	J
Barium		62.5	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN	
Beryllium		ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN	
Cadmium		ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN	
Chromium		5.99	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Cobalt		7.34	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN	
Copper		6.76	1	0.31	. 1	mg/Kg	12/28/16	12/29/16	JN	
Lead		ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Molybdenum		ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Nickel		3.92	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN	
Selenium		ND	1	0.72		mg/Kg	12/28/16	12/29/16	JN	
Silver		ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN	
Thallium		ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN	
Vanadium		19.4	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN	
Zinc		18.3	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 7471A NELAC	Prep Method:	EPA 7471A						QCBatch	ID: Q	C1173955
Mercury		ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP	
Method: EPA 8015M	Prep Method:							QCBatch	ID: Q	C1173797
TPH (C10 to C28)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
TPH (C28 to C40)		19	1		50	mg/Kg	12/28/16	12/29/16	LT	
TPH (C8 to C10)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
Method: EPA 8082 NELAC	Prep Method:	EPA 3545						QCBatch	ID: Q	C1173791
PCB-1016		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1221		ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1232		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1242		ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1248		ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1254		ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1260		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1262		ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1268		ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW	
<u>Surrogate</u>		<u>% Re</u>	ecover	¥	<u>Limits</u>	Notes	<u> </u>			
Decachlorobiphenyl DCB (SUR)		5	55	-	50-150					

Sampled: 12/22/2016 08:50 Site:

Sample #: 385825-121 Client Sample #: S61-5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyze		
<u> </u>	od: EPA 3050B						QCBatch		C1173760
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN	
Arsenic	1.14	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN	
Barium	190	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN	
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN	
Cadmium	0.49 J	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN	J
Chromium	19.1	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Cobalt	14.4	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN	
Copper	20.3	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN	
Lead	0.47 J	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	J
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Nickel	11.4	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN	
Selenium	1.12	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN	
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN	
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN	
Vanadium	38.8	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN	
Zinc	48.6	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 7471A NELAC Prep Method	od: EPA 7471A						QCBatch	ID: Q	C1173955
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP	
Method: EPA 8015M Prep Method	od:						QCBatch	ID: Q	C1173797
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
TPH (C28 to C40)	19	1		50	mg/Kg	12/28/16	12/29/16	LT	
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
Method: EPA 8082 NELAC Prep Method	od: EPA 3545						QCBatch	ID: Q	C1173791
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW	
<u>Surrogate</u>	<u>% Re</u>	ecover	¥	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	6	66		50-150					

**Sampled:** 12/22/2016 09:00 Site:

Sample #: 385825-122 Client Sample #: S61-10' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed		
Method: EPA 6010B NELAC	Prep Method:							QCBatchl		C1173760
Antimony		ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN	
Arsenic		0.79 J	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN	J
Barium		90.2	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN	
Beryllium		ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN	
Cadmium		ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN	
Chromium		6.51	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Cobalt		5.16	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN	
Copper		5.27	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN	
Lead		0.75	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Molybdenum		ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Nickel		3.30	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN	
Selenium		ND	1	0.72	1	mg/Kg	12/28/16	12/29/16	JN	
Silver		ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN	
Thallium		ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN	
Vanadium		18.1	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN	
Zinc		18.6	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 7471A NELAC	Prep Method:	EPA 7471A						QCBatchl	D: Q	C1173955
Mercury		ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP	
Method: EPA 8015M	Prep Method:							QCBatchl	D: Q	C1173797
TPH (C10 to C28)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
TPH (C28 to C40)		15	1		50	mg/Kg	12/28/16	12/29/16	LT	
TPH (C8 to C10)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
Method: EPA 8082 NELAC	Prep Method:	EPA 3545						QCBatchl	D: Q	C1173791
PCB-1016		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1221		ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1232		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1242		ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1248		ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1254		ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1260		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1262		ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1268		ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW	
<u>Surrogate</u>		<u>% Re</u>	ecover	¥	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUF	₹)		53		50-150					

Sampled: 12/22/2016 08:20 Site:

Sample #: 385825-123 Client Sample #: S62-5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed		
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchl	D: Q	C1173760
Antimony		ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN	
Arsenic		0.61 J	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN	J
Barium		167	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN	
Beryllium		ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN	
Cadmium		0.57	1	0.21	0.5	mg/Kg	12/28/16	12/30/16	JN	
Chromium		18.7	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Cobalt		13.8	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN	
Copper		18.3	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN	
Lead		ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Molybdenum		ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Nickel		10.7	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN	
Selenium		ND	1	0.72	1	mg/Kg	12/28/16	12/30/16	JN	
Silver		ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN	
Thallium		ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN	
Vanadium		36.4	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN	
Zinc		45.8	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 7471A NELAC	Prep Method:	EPA 7471A						QCBatchl	D: Q	C1173955
Mercury		ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP	
Method: EPA 8015M	Prep Method:							QCBatchl	D: Q	C1173797
TPH (C10 to C28)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
TPH (C28 to C40)		17	1		50	mg/Kg	12/28/16	12/29/16	LT	
TPH (C8 to C10)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
Method: EPA 8082 NELAC	Prep Method:	EPA 3545						QCBatchl	D: Q	C1173791
PCB-1016		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1221		ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1232		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1242		ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1248		ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1254		ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1260		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1262		ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1268		ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW	
<u>Surrogate</u> Decachlorobiphenyl DCB (SUF	₹)		ecover 72	У	<u>Limits</u> 50-150	<u>Notes</u>				

Sampled: 12/22/2016 08:30 Site:

Sample #: 385825-124 Client Sample #: S62-10' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed		
Method: EPA 6010B NELAC	Prep Method:							QCBatchII		C1173760
Antimony		ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN	
Arsenic		0.56 J	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN	J
Barium		49.7	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN	
Beryllium		ND	1_	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN	
Cadmium		ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN	
Chromium		5.25	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Cobalt		4.18	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN	
Copper		7.28	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN	
Lead		ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Molybdenum		ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Nickel		2.55	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN	
Selenium		ND	1	0.72	1	mg/Kg	12/28/16	12/30/16	JN	
Silver		ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN	
Thallium		ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN	
Vanadium		14.3	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN	
Zinc		13.8	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 7471A NELAC	Prep Method:	EPA 7471A						QCBatchII	D: Q	C1173955
Mercury		ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP	
Method: EPA 8015M	Prep Method:							QCBatchII	D: Q	C1173797
TPH (C10 to C28)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
TPH (C28 to C40)		17	1		50	mg/Kg	12/28/16	12/29/16	LT	
TPH (C8 to C10)		ND	1		10	mg/Kg	12/28/16	12/29/16	LT	
Method: EPA 8082 NELAC	Prep Method:	EPA 3545						QCBatchII	D: Q	C1173791
PCB-1016		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1221		ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1232		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1242		ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1248		ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1254		ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1260		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1262		ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1268		ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW	
<u>Surrogate</u>		<u>% Re</u>	ecover	¥	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR	?)		96		50-150					

**Sampled:** 12/22/2016 10:35 **Site:** 

Sample #: 385825-125 Client Sample #: S63-5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared		d By Notes
·	thod: EPA 3050B						QCBatch	
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN
Arsenic	1.08	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN
Barium	84.0	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN
Cadmium	ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN
Chromium	9.32	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
Cobalt	7.63	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN
Copper	9.24	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN
Nickel	4.40	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN
Selenium	ND	1	0.72	1	mg/Kg	12/28/16	12/30/16	JN
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN
Vanadium	23.2	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN
Zinc	25.0	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN
Method: EPA 7471A NELAC Prep Me	thod: EPA 7471A						QCBatch	ID: QC1173955
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP
Method: EPA 8015M Prep Me	thod:						QCBatch	ID: QC1173797
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/30/16	LT
TPH (C28 to C40)	16	1		50	mg/Kg	12/28/16	12/30/16	LT
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/30/16	LT
Method: EPA 8082 NELAC Prep Me	thod: EPA 3545						QCBatch	ID: QC1173791
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW
<u>Surrogate</u>	<u>% Re</u>	ecover	¥	<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (SUR)	6	8		50-150				

**Sampled:** 12/22/2016 10:40 **Site:** 

Sample #: 385825-126 Client Sample #: S63-10' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed		
·	ethod: EPA 3050B								C1173760
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN	
Arsenic	0.98 J	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN	J
Barium	67.3	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN	
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN	
Cadmium	ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN	
Chromium	6.72	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Cobalt	5.95	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN	
Copper	8.71	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN	
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Nickel	3.85	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN	
Selenium	ND	1	0.72	1	mg/Kg	12/28/16	12/30/16	JN	
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN	
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN	
Vanadium	20.2	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN	
Zinc	19.2	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 7471A NELAC Prep Me	thod: EPA 7471A						QCBatch	ID: Q	C1173955
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP	
Method: EPA 8015M Prep Me	ethod:						QCBatch	ID: Q	C1173797
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/30/16	LT	
TPH (C28 to C40)	13	1		50	mg/Kg	12/28/16	12/30/16	LT	
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/30/16	LT	
Method: EPA 8082 NELAC Prep Me	thod: EPA 3545						QCBatch	ID: Q	C1173791
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW	
<u>Surrogate</u>	<u>% Re</u>	cover	¥	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	5	54		50-150					

**Sampled:** 12/22/2016 10:15 Site:

Sample #: 385825-127 Client Sample #: S64-5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed		
·	d: EPA 3050B						QCBatch		C1173760
Antimony	ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN	
Arsenic	0.97 J	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN	J
Barium	155	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN	
Beryllium	ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN	
Cadmium	0.48 J	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN	J
Chromium	15.5	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Cobalt	12.0	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN	
Copper	16.8	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN	
Lead	ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Molybdenum	ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Nickel	8.90	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN	
Selenium	0.83 J	1	0.72	1	mg/Kg	12/28/16	12/30/16	JN	J
Silver	ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN	
Thallium	ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN	
Vanadium	33.9	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN	
Zinc	38.3	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 7471A NELAC Prep Method	d: EPA 7471A						QCBatch	ID: Q	C1173955
Mercury	ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP	
Method: EPA 8015M Prep Method	d:						QCBatch	ID: Q	C1173797
TPH (C10 to C28)	ND	1		10	mg/Kg	12/28/16	12/30/16	LT	
TPH (C28 to C40)	12	1		50	mg/Kg	12/28/16	12/30/16	LT	
TPH (C8 to C10)	ND	1		10	mg/Kg	12/28/16	12/30/16	LT	
Method: EPA 8082 NELAC Prep Method	d: EPA 3545						QCBatch	ID: Q	C1173791
PCB-1016	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1221	ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1232	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1242	ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1248	ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1254	ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1260	ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1262	ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1268	ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW	
<u>Surrogate</u>	<u>% Re</u>	ecover	¥	<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)	5	8		50-150					

Sampled: 12/22/2016 10:25 Site:

Sample #: 385825-128 Client Sample #: S64-10' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed		
Method: EPA 6010B NELAC	Prep Method:									C1173760
Antimony		ND	1	0.37	3	mg/Kg	12/28/16	12/29/16	JN	
Arsenic		0.55 J	1	0.36	1	mg/Kg	12/28/16	12/29/16	JN	J
Barium		60.8	1	0.23	1	mg/Kg	12/28/16	12/29/16	JN	
Beryllium		ND	1	0.17	0.5	mg/Kg	12/28/16	12/29/16	JN	
Cadmium		ND	1	0.21	0.5	mg/Kg	12/28/16	12/29/16	JN	
Chromium		4.03	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Cobalt		4.64	1	0.19	0.5	mg/Kg	12/28/16	12/29/16	JN	
Copper		6.40	1	0.31	1	mg/Kg	12/28/16	12/29/16	JN	
Lead		ND	1	0.32	0.5	mg/Kg	12/28/16	12/29/16	JN	
Molybdenum		ND	1	0.13	1	mg/Kg	12/28/16	12/29/16	JN	
Nickel		2.37	1	0.2	1.5	mg/Kg	12/28/16	12/29/16	JN	
Selenium		ND	1	0.72	1	mg/Kg	12/28/16	12/30/16	JN	
Silver		ND	1	0.13	0.5	mg/Kg	12/28/16	12/29/16	JN	
Thallium		ND	1	0.42	1	mg/Kg	12/28/16	12/29/16	JN	
Vanadium		14.7	1	0.37	0.5	mg/Kg	12/28/16	12/29/16	JN	
Zinc		16.0	1	0.28	5	mg/Kg	12/28/16	12/29/16	JN	
Method: EPA 7471A NELAC	Prep Method:	EPA 7471A						QCBatchl	D: Q	C1173955
Mercury		ND	1	0.02	0.14	mg/Kg	01/03/18	01/03/17	JP	
Method: EPA 8015M	Prep Method:							QCBatchl	D: Q	C1173797
TPH (C10 to C28)		ND	1		10	mg/Kg	12/28/16	12/30/16	LT	
TPH (C28 to C40)		12	1		50	mg/Kg	12/28/16	12/30/16	LT	
TPH (C8 to C10)		ND	1		10	mg/Kg	12/28/16	12/30/16	LT	
Method: EPA 8082 NELAC	Prep Method:	EPA 3545						QCBatchl	D: Q	C1173791
PCB-1016		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1221		ND	1	0.014	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1232		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1242		ND	1	0.0073	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1248		ND	1	0.0066	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1254		ND	1	0.01	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1260		ND	1	0.018	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1262		ND	1	0.02	0.05	mg/Kg	12/28/16	12/29/16	LW	
PCB-1268		ND	1	0.011	0.05	mg/Kg	12/28/16	12/29/16	LW	
Surrogate		% R	ecover	v	Limits	Notes	<b>:</b>			
Decachlorobiphenyl DCB (SUR)			60 60	<b>-</b>	50-150	<u>, , , , , , , , , , , , , , , , , , , </u>	-			

Matrix: Water Client: CES Group, Inc. Collector: Client

Sampled: 12/29/2016 14:20

Site: Sample #: 385825-129 Client Sample #: Drum Water Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	d By Notes
Method: EPA 8015B NELAC	Prep Method:	EPA 3510C						QCBatchl	D: QC1174000
TPH (C10 to C28)		0.87	1	0.04	0.2	mg/L	01/01/17	01/04/17	LT
TPH (C28 to C40)		ND	1	0.07	0.3	mg/L	01/01/17	01/04/17	LT
TPH (C8 to C10)		ND	1	0.06	0.2	mg/L	01/01/17	01/04/17	LT
<u>Surrogate</u>		<u>% Re</u>	<u>covery</u>		<u>Limits</u>	<u>Notes</u>			
Triacontane (SUR)		6	5		50-150				



QCBatchID:QC1173682Analyst:nhernandezMethod:EPA 8081AMatrix:SolidAnalyzed:12/25/2016Instrument:SVOA-GC (group)

	Blar	nk Summar	У			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1173682MB1	•		•			
4,4'-DDD	ND	mg/Kg	0.67	5		
4,4'-DDE	ND	mg/Kg	0.57	5		
4,4'-DDT	ND	mg/Kg	0.95	5		
a-BHC	ND	mg/Kg	0.2	5		
Aldrin	ND	mg/Kg	0.34	5		
b-BHC	ND	mg/Kg	1.2	5		
Chlordane (technical)	ND	mg/Kg	12	50		
cis-chlordane	ND	mg/Kg				
d-BHC	ND	mg/Kg	0.45	5		
Dieldrin	ND	mg/Kg	0.63	5		
Endosulfan I	ND	mg/Kg	0.28	5		
Endosulfan II	ND	mg/Kg	8.0	5		
Endosulfan sulfate	ND	mg/Kg	1.7	5		
Endrin	ND	mg/Kg	0.62	5		
Endrin aldehyde	ND	mg/Kg	0.9	5		
Endrin Ketone	ND	mg/Kg	1.2	5		
Heptachlor	ND	mg/Kg	0.44	5		
Heptachlor epoxide	ND	mg/Kg	0.27	5		
Hexachlorobenzene	ND	mg/Kg				
Lindane (Gamma-BHC)	ND	mg/Kg	0.3	5		
Methoxychlor	ND	mg/Kg	5.2	10		
Toxaphene	ND	mg/Kg	12	100		
trans-chlordane	ND	mg/Kg				

Lab Con	trol Spi	ke/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike .	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1173682LCS1	•			,		'		,			
4,4'-DDE	0.005		0.004		mg/Kg	80			70-130		
4,4'-DDT	0.005		0.004		mg/Kg	80			70-130		
a-BHC	0.005		0.004		mg/Kg	80			70-130		
Aldrin	0.005		0.004		mg/Kg	80			70-130		
b-BHC	0.005		0.004		mg/Kg	80			70-130		
d-BHC	0.005		0.004		mg/Kg	80			70-130		
Dieldrin	0.005		0.004		mg/Kg	80			70-130		
Endosulfan I	0.005		0.004		mg/Kg	80			70-130		
Endosulfan II	0.005		0.004		mg/Kg	80			70-130		
Endosulfan sulfate	0.005		0.004		mg/Kg	80			70-130		
Endrin	0.005		0.004		mg/Kg	80			70-130		
Endrin aldehyde	0.005		0.004		mg/Kg	80			70-130		
Heptachlor	0.005		0.004		mg/Kg	80			70-130		
Heptachlor epoxide	0.005		0.004		mg/Kg	80			70-130		
Lindane (Gamma-BHC)	0.005		0.004		mg/Kg	80			70-130		
Methoxychlor	0.005		0.004		mg/Kg	80			70-130		

Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Spike A	Amount	Spike	Result		Reco	veries		Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173682MS1, QC1173682MSD1	<u>'</u>						•			So	urce:	385747-061
4,4'-DDE	0.011	0.005	0.005	0.013	0.018	mg/Kg	40	140	32.3	70-130	20	М
4,4'-DDT	0.006	0.005	0.005	0.009	0.010	mg/Kg	60	80	158.3	70-130	20	M

 QCBatchID:
 QC1173682
 Analyst:
 nhernandez
 Method:
 EPA 8081A

 Matrix:
 Solid
 Analyzed:
 12/25/2016
 Instrument:
 SVOA-GC (group)

	Sample	Spike A	Amount	Spike	Result		Reco	veries		Limit	s	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173682MS1, QC1173682MSD1						•				Sc	ource:	385747-061
a-BHC	ND	0.005	0.005	0.004	0.006	mg/Kg	80	120	40.0	70-130	20	М
Aldrin	ND	0.005	0.005	0.004	0.005	mg/Kg	80	100	22.2	70-130	20	M
b-BHC	ND	0.005	0.005	0.003	0.005	mg/Kg	60	100	50.0	70-130	20	M
d-BHC	ND	0.005	0.005	0.001	0.005	mg/Kg	20	100	133.3	70-130	20	M
Dieldrin	0.001	0.005	0.005	0.003	0.009	mg/Kg	40	160	97.1	70-130	20	M
Endosulfan I	ND	0.005	0.005	0.002	0.004	mg/Kg	40	80	66.7	70-130	20	M
Endosulfan II	ND	0.005	0.005	0.001	0.004	mg/Kg	20	80	85.7	70-130	20	M
Endosulfan sulfate	ND	0.005	0.005	0.000	0.002	mg/Kg	0	40	66.7	70-130	20	M
Endrin	ND	0.005	0.005	0.001	0.005	mg/Kg	20	100	88.9	70-130	20	M
Endrin aldehyde	ND	0.005	0.005	0.001	0.003	mg/Kg	20	60	107.7	70-130	20	M
Heptachlor	ND	0.005	0.005	0.004	0.005	mg/Kg	80	100	22.2	70-130	20	M
Heptachlor epoxide	ND	0.005	0.005	0.002	0.005	mg/Kg	40	100	85.7	70-130	20	M
Lindane (Gamma-BHC)	ND	0.005	0.005	0.004	0.006	mg/Kg	80	120	40.0	70-130	20	M
Methoxychlor	ND	0.005	0.005	0.001	0.006	mg/Kg	20	120	28.6	70-130	20	M

 QCBatchID:
 QC1173683
 Analyst:
 nicollez
 Method:
 EPA 8260B

 Matrix:
 Solid
 Analyzed:
 12/26/2016
 Instrument:
 VOA-MS (group)

	Blar	nk Summar	У			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1173683MB1					•	
1,1,1,2-Tetrachloroethane	ND	ug/Kg	0.24	5		
1,1,1-Trichloroethane	ND	ug/Kg	0.15	5		
1,1,2,2-Tetrachloroethane	ND	ug/Kg	0.29	5		
1,1,2-Trichloroethane	ND	ug/Kg	0.22	5		
1,1,2-Trichlorotrifluoroethane	ND	ug/Kg	0.74	5		
1,1-Dichloroethane	ND	ug/Kg	0.23	5		
1,1-Dichloroethene	ND	ug/Kg	0.18	5		
1,1-Dichloropropene	ND	ug/Kg	0.21	5		
1,2,3-Trichlorobenzene	ND	ug/Kg	0.18	5		
1,2,3-Trichloropropane	ND	ug/Kg	0.2	5		
1,2,4-Trichlorobenzene	ND	ug/Kg	0.33	5		
1,2,4-Trimethylbenzene	ND	ug/Kg	0.28	5		
1,2-Dibromo-3-chloropropane	ND	ug/Kg	0.2	5		
1,2-Dibromoethane	ND	ug/Kg	0.12	5		
1,2-Dichlorobenzene	ND	ug/Kg	0.18	5		
1,2-Dichloroethane	ND	ug/Kg	0.14	5		
1,2-Dichloropropane	ND	ug/Kg	0.34	5		
1,3,5-Trimethylbenzene	ND	ug/Kg	0.23	5		
1,3-Dichlorobenzene	ND	ug/Kg	0.21	5		
1,3-Dichloropropane	ND	ug/Kg	0.19	5		
1,4-Dichlorobenzene	ND	ug/Kg	0.24	5		
2,2-Dichloropropane	ND	ug/Kg	0.19	5		
2-Butanone (MEK)	ND	ug/Kg	0.72	100		
2-Chloroethyl Vinyl Ether	ND	ug/Kg	0.3	5		
2-Chlorotoluene	ND	ug/Kg	0.25	5		
4-Chlorotoluene	ND	ug/Kg	0.22	5		
4-Isopropyltoluene	ND	ug/Kg	0.27	5		
4-Methyl-2-pentanone (MIBK)	ND	ug/Kg	0.17	5		
Acetone	ND	ug/Kg	10	100		
Allyl Chloride	ND	ug/Kg	0.14	5		
Benzene	ND	ug/Kg	0.18	5		
Bromobenzene	ND	ug/Kg	0.3	5		
Bromochloromethane	ND	ug/Kg	0.18	5		
Bromodichloromethane	ND	ug/Kg	0.2	5		
Bromoform	ND	ug/Kg	0.19	5		
Bromomethane	ND	ug/Kg	0.22	5		
Carbon Tetrachloride	ND	ug/Kg	0.18	5		
Chlorobenzene	ND	ug/Kg	0.18	5		
Chlorodibromomethane	ND	ug/Kg	0.19	5		
Chloroethane	ND	ug/Kg	0.2	5		
Chloroform	ND	ug/Kg	0.17	<del>.</del> 5		
Chloromethane	ND	ug/Kg	0.21	5		
cis-1,2-Dichloroethene	ND	ug/Kg	0.2	5		
cis-1,3-dichloropropene	ND	ug/Kg	0.2	5		
cis-1,4-dichloro-2-butene	ND	ug/Kg	0.2	<del>.</del> 5		
Dibromomethane	ND	ug/Kg	0.23	5		
Dichlorodifluoromethane	ND	ug/Kg	0.23	5		
Di-isopropyl ether (DIPE)	ND	ug/Kg	0.21	5		
Ethylbenzene	ND	ug/Kg	0.25	<del>.</del> 5		
Ethyl-tertbutylether (ETBE)	ND	ug/Kg	0.42	5		
Hexachlorobutadiene	ND	ug/Kg	0.38	5		
. i.s. as in or obata and in	110	~9/1\9	0.00	<u> </u>		

QCBatchID:QC1173683Analyst:nicollezMethod:EPA 8260BMatrix:SolidAnalyzed:12/26/2016Instrument:VOA-MS (group)

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Analyte	Result	Units	MDL	RDL	Notes	
QC1173683MB1	-		•			
Isopropylbenzene	ND	ug/Kg	0.17	5		
m and p-Xylene	ND	ug/Kg	0.21	5		
Methylene chloride	ND	ug/Kg	0.22	5		
Methyl-t-butyl Ether (MTBE)	ND	ug/Kg	0.25	5		
Naphthalene	ND	ug/Kg	0.28	5		
N-butylbenzene	ND	ug/Kg	0.16	5		
N-propylbenzene	ND	ug/Kg	0.19	5		
o-Xylene	ND	ug/Kg	0.13	5		
Sec-butylbenzene	ND	ug/Kg	0.34	5		
Styrene	ND	ug/Kg	0.23	5		
t-Butyl alcohol (TBA)	ND	ug/Kg	8.8	10		
Tert-amylmethylether (TAME)	ND	ug/Kg	0.19	5		
Tert-butylbenzene	ND	ug/Kg	0.18	5		
Tetrachloroethene	ND	ug/Kg	0.2	5		
Toluene	ND	ug/Kg	0.23	5		
trans-1,2-dichloroethene	ND	ug/Kg	0.23	5		
trans-1,3-dichloropropene	ND	ug/Kg	0.14	5		
trans-1,4-dichloro-2-butene	ND	ug/Kg	0.38	5		
Trichloroethene	ND	ug/Kg	0.39	5		
Trichlorofluoromethane	ND	ug/Kg	0.25	5		
Vinyl Chloride	ND	ug/Kg	0.18	5		
Xylenes (Total)	ND	ug/Kg	0.45	5		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
	Spike Amount	Spike Result		Recoveries		Limits					
Analyte	LCS LCSD	LCS LCSD	Units	LCS LCSD	RPD	%Rec	RPD	Notes			
QC1173683LCS1			•		•						
1,1-Dichloroethene	50	47	ug/Kg	94		59-172					
Benzene	50	45	ug/Kg	90		62-137					
Chlorobenzene	50	49	ug/Kg	98		60-133					
Methyl-t-butyl Ether (MTBE)	50	49	ug/Kg	98		62-137					
Toluene	50	51	ug/Kg	102		59-139					
Trichloroethene	50	47	ug/Kg	94		66-142					

	Matrix Spike/Matrix Spike Duplicate Summary											
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173683MS1, QC1173683MSD1										Sc	ource:	385825-106
1,1-Dichloroethene	ND	50	50	47	46	ug/Kg	94	92	2.2	59-172	22	
Benzene	ND	50	50	46	45	ug/Kg	92	90	2.2	62-137	24	
Chlorobenzene	ND	50	50	50	49	ug/Kg	100	98	2.0	60-133	24	
Methyl-t-butyl Ether (MTBE)	ND	50	50	52	52	ug/Kg	104	104	0.0	62-137	21	
Toluene	ND	50	50	50	50	ug/Kg	100	100	0.0	59-139	21	
Trichloroethene	ND	50	50	57	80	ug/Kg	114	160	33.6	66-142	21	M

QCBatchID:QC1173693Analyst:nhernandezMethod:EPA 8081AMatrix:SolidAnalyzed:12/27/2016Instrument:SVOA-GC (group)

	Blai	nk Summar	у			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1173693MB1	-	•	•	•	•	
4,4'-DDD	ND	mg/Kg	0.67	5		
4,4'-DDE	ND	mg/Kg	0.57	5		
4,4'-DDT	ND	mg/Kg	0.95	5		
a-BHC	ND	mg/Kg	0.2	5		
Aldrin	ND	mg/Kg	0.34	5		
b-BHC	ND	mg/Kg	1.2	5		
Chlordane (technical)	ND	mg/Kg	12	50		
d-BHC	ND	mg/Kg	0.45	5		
Dieldrin	ND	mg/Kg	0.63	5		
Endosulfan I	ND	mg/Kg	0.28	5		
Endosulfan II	ND	mg/Kg	0.8	5		
Endosulfan sulfate	ND	mg/Kg	1.7	5		
Endrin	ND	mg/Kg	0.62	5		
Endrin aldehyde	ND	mg/Kg	0.9	5		
Endrin Ketone	ND	mg/Kg	1.2	5		
Heptachlor	ND	mg/Kg	0.44	5		
Heptachlor epoxide	ND	mg/Kg	0.27	5		
Lindane (Gamma-BHC)	ND	mg/Kg	0.3	5		
Methoxychlor	ND	mg/Kg	5.2	10		
Toxaphene	ND	mg/Kg	12	100		

Lab Control Spike/ Lab Control Spike Duplicate Summary											
	Spike Amount	Spike Result		Recoveries		Limits					
Analyte	LCS LCSD	LCS LCSD	Units	LCS LCSD	RPD	%Rec	RPD	Notes			
QC1173693LCS1	<u>,                                      </u>										
4,4'-DDE	0.005	0.00390	mg/Kg	78	7	70-130					
4,4'-DDT	0.005	0.00420	mg/Kg	84	7	70-130					
a-BHC	0.005	0.00370	mg/Kg	74	7	70-130					
Aldrin	0.005	0.00380	mg/Kg	76	7	70-130					
b-BHC	0.005	0.00390	mg/Kg	78		70-130	:				
d-BHC	0.005	0.00440	mg/Kg	88	7	70-130					
Dieldrin	0.005	0.00380	mg/Kg	76	7	70-130					
Endosulfan I	0.005	0.00360	mg/Kg	72	7	70-130					
Endosulfan II	0.005	0.00350	mg/Kg	70		70-130	:				
Endosulfan sulfate	0.005	0.00430	mg/Kg	86	7	70-130					
Endrin	0.005	0.00420	mg/Kg	84	7	70-130					
Endrin aldehyde	0.005	0.00340	mg/Kg	68	7	70-130		L			
Heptachlor	0.005	0.00390	mg/Kg	78		70-130					
Heptachlor epoxide	0.005	0.00380	mg/Kg	76	7	70-130					
Lindane (Gamma-BHC)	0.005	0.00390	mg/Kg	78	7	70-130					
Methoxychlor	0.005	0.0048	mg/Kg	96	7	70-130					

	Matrix Spike/Matrix Spike Duplicate Summary											
	Sample	Spike /	Amount	Spike Res	sult		Reco	veries		Limit	s	
Analyte	Amount	MS	MSD	MS M	/ISD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173693MS1, QC1173693MSD1										Sc	urce:	385825-055
4,4'-DDE	ND	0.005	0.005	0.00240 0.0	0200	mg/Kg	48	40	18.2	70-130	20	М
4,4'-DDT	ND	0.005	0.005	0.00240 0.0	0210	mg/Kg	48	42	13.3	70-130	20	M
a-BHC	ND	0.005	0.005	0.00150 0.0	0170	mg/Kg	30	34	12.5	70-130	20	M
Aldrin	ND	0.005	0.005	0.00160 0.0	0170	mg/Kg	32	34	6.1	70-130	20	M
b-BHC	ND	0.005	0.005	0.00090 0.0	0140	mg/Kg	18	28	43.5	70-130	20	М

**Enthalpy** 

QCBatchID: QC1173693	Analyst: nhernandez	Method: EPA 8081A	
Matrix: Solid	<b>Analyzed:</b> 12/27/2016	Instrument: SVOA-GC (group)	

	Sample	Spike A	Amount	Spike	Result		Reco	veries		Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173693MS1, QC1173693MSD1					•					Sc	ource:	385825-055
d-BHC	ND	0.005	0.005	0.00051	0.00084	mg/Kg	10	17	48.9	70-130	20	M
Dieldrin	ND	0.005	0.005	0.00054	0.00096	mg/Kg	11	19	56.0	70-130	20	M
Endosulfan I	ND	0.005	0.005	0.00062	0.00110	mg/Kg	12	22	55.8	70-130	20	M
Endosulfan II	ND	0.005	0.005	0.00018	0.00033	mg/Kg	4	7	58.8	70-130	20	M
Endosulfan sulfate	ND	0.005	0.005	0.00016	0.00028	mg/Kg	3	6	54.5	70-130	20	M
Endrin	ND	0.005	0.005	0.00080	0.00110	mg/Kg	16	22	31.6	70-130	20	M
Endrin aldehyde	ND	0.005	0.005	0.00025	0.00030	mg/Kg	5	6	18.2	70-130	20	M
Heptachlor	ND	0.005	0.005	0.00170	0.00190	mg/Kg	34	38	11.1	70-130	20	M
Heptachlor epoxide	ND	0.005	0.005	0.00083	0.00130	mg/Kg	17	26	44.1	70-130	20	M
Lindane (Gamma-BHC)	ND	0.005	0.005	0.00130	0.00170	mg/Kg	26	34	26.7	70-130	20	M
Methoxychlor	ND	0.005	0.005	0.0004	0.0008	mg/Kg	8	16	66.7	70-130	20	M

 QCBatchID:
 QC1173695
 Analyst:
 nicollez
 Method:
 EPA 8260B

 Matrix:
 Solid
 Analyzed:
 12/27/2016
 Instrument:
 VOA-MS (group)

Blank Summary											
	Blank										
Analyte	Result	Units	MDL	RDL	Notes						
QC1173695MB1					•						
1,1,1,2-Tetrachloroethane	ND	ug/Kg	0.24	5							
1,1,1-Trichloroethane	ND	ug/Kg	0.15	5							
1,1,2,2-Tetrachloroethane	ND	ug/Kg	0.29	5							
1,1,2-Trichloroethane	ND	ug/Kg	0.22	5							
1,1,2-Trichlorotrifluoroethane	ND	ug/Kg	0.74	5							
1,1-Dichloroethane	ND	ug/Kg	0.23	5							
1,1-Dichloroethene	ND	ug/Kg	0.18	5							
1,1-Dichloropropene	ND	ug/Kg	0.21	5							
1,2,3-Trichlorobenzene	ND	ug/Kg	0.18	5							
1,2,3-Trichloropropane	ND	ug/Kg	0.2	5							
1,2,4-Trichlorobenzene	ND	ug/Kg	0.33	5							
1,2,4-Trimethylbenzene	ND	ug/Kg	0.28	5							
1,2-Dibromo-3-chloropropane	ND	ug/Kg	0.2	5							
1,2-Dibromoethane	ND	ug/Kg	0.12	5							
1,2-Dichlorobenzene	ND	ug/Kg	0.18	5							
1,2-Dichloroethane	ND	ug/Kg	0.14	5							
1,2-Dichloropropane	ND	ug/Kg	0.34	5							
1,3,5-Trimethylbenzene	ND	ug/Kg	0.23	5							
1,3-Dichlorobenzene	ND	ug/Kg	0.21	5							
1,3-Dichloropropane	ND	ug/Kg	0.19	5							
1,4-Dichlorobenzene	ND	ug/Kg	0.24	5							
2,2-Dichloropropane	ND	ug/Kg	0.19	5							
2-Butanone (MEK)	ND	ug/Kg	0.72	100							
2-Chloroethyl Vinyl Ether	ND	ug/Kg	0.3	5							
2-Chlorotoluene	ND	ug/Kg	0.25	5							
4-Chlorotoluene	ND	ug/Kg	0.22	5							
4-Isopropyltoluene	ND	ug/Kg	0.27	5							
4-Methyl-2-pentanone (MIBK)	ND	ug/Kg	0.17	5							
Acetone	ND	ug/Kg	10	100							
Allyl Chloride	ND	ug/Kg	0.14	5							
Benzene	ND	ug/Kg	0.18	5							
Bromobenzene	ND	ug/Kg	0.3	5							
Bromochloromethane	ND	ug/Kg	0.18	5							
Bromodichloromethane	ND	ug/Kg	0.2	5							
Bromoform	ND	ug/Kg	0.19	5							
Bromomethane	ND	ug/Kg	0.22	5							
Carbon Tetrachloride	ND	ug/Kg	0.18	5							
Chlorobenzene	ND	ug/Kg	0.18	5							
Chlorodibromomethane	ND	ug/Kg	0.19	5							
Chloroethane	ND	ug/Kg	0.2	5							
Chloroform	ND	ug/Kg	0.17	<del>.</del> 5							
Chloromethane	ND	ug/Kg	0.21	5							
cis-1,2-Dichloroethene	ND	ug/Kg	0.2	5							
cis-1,3-dichloropropene	ND	ug/Kg	0.2	5							
cis-1,4-dichloro-2-butene	ND	ug/Kg	0.2	<del>.</del> 5							
Dibromomethane	ND	ug/Kg	0.21	5							
Dichlorodifluoromethane	ND	ug/Kg	0.23	5							
Di-isopropyl ether (DIPE)	ND	ug/Kg	0.21	5							
Ethylbenzene	ND	ug/Kg	0.23	<del>.</del> 5							
Ethyl-tertbutylether (ETBE)	ND	ug/Kg	0.42	5							
Hexachlorobutadiene	ND	ug/Kg	0.42	5							
. i.s. as in i obata and i o	110	~9/1 <b>.</b> 9	<b>5.</b> ¬∠	<u> </u>							

QCBatchID:QC1173695Analyst:nicollezMethod:EPA 8260BMatrix:SolidAnalyzed:12/27/2016Instrument:VOA-MS (group)

	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1173695MB1			•		•	
Isopropylbenzene	ND	ug/Kg	0.25	5		
m and p-Xylene	ND	ug/Kg	0.38	5		
Methylene chloride	ND	ug/Kg	0.21	5		
Methyl-t-butyl Ether (MTBE)	ND	ug/Kg	0.17	5		
Naphthalene	ND	ug/Kg	0.16	5		
N-butylbenzene	ND	ug/Kg	0.25	5		
N-propylbenzene	ND	ug/Kg	0.22	5		
o-Xylene	ND	ug/Kg	0.19	5		
Sec-butylbenzene	ND	ug/Kg	0.28	5		
Styrene	ND	ug/Kg	0.13	5		
t-Butyl alcohol (TBA)	ND	ug/Kg	8.8	10		
Tert-amylmethylether (TAME)	ND	ug/Kg	0.19	5		
Tert-butylbenzene	ND	ug/Kg	0.34	5		
Tetrachloroethene	ND	ug/Kg	0.23	5		
Toluene	ND	ug/Kg	0.17	5		
trans-1,2-dichloroethene	ND	ug/Kg	0.19	5		
trans-1,3-dichloropropene	ND	ug/Kg	0.18	5		
trans-1,4-dichloro-2-butene	ND	ug/Kg	0.2	5		
Trichloroethene	ND	ug/Kg	0.23	5		
Trichlorofluoromethane	ND	ug/Kg	0.23	5		
Vinyl Chloride	ND	ug/Kg	0.14	5		
Xylenes (Total)	ND	ug/Kg	0.38	5		

Lab Control Spike/ Lab Control Spike Duplicate Summary													
	Spike Amount	Spike Result		Recoveries		Limits							
Analyte	LCS LCSD	LCS LCSD	Units	LCS LCSD	RPD	%Rec	RPD	Notes					
QC1173695LCS1						•							
1,1-Dichloroethene	50	51	ug/Kg	102		59-172							
Benzene	50	44	ug/Kg	88		62-137							
Chlorobenzene	50	54	ug/Kg	108		60-133							
Methyl-t-butyl Ether (MTBE)	50	51	ug/Kg	102		62-137							
Toluene	50	53	ug/Kg	106		59-139							
Trichloroethene	50	52	ug/Kg	104		66-142							

	Mat	trix Sp	ike/Matr	rix Spil	ke Dupli	cate Sun	nmary					
	Sample	Spike	Spike Amount		Spike Result		Reco	Recoveries		Limits		
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173695MS1, QC1173695MSD1									•	Sc	ource:	385825-115
1,1-Dichloroethene	ND	50	50	50	45	ug/Kg	100	90	10.5	59-172	22	
Benzene	0.39	50	50	48	44	ug/Kg	95	87	8.7	62-137	24	
Chlorobenzene	ND	50	50	56	49	ug/Kg	112	98	13.3	60-133	24	
Methyl-t-butyl Ether (MTBE)	ND	50	50	70	61	ug/Kg	140	122	13.7	62-137	21	M
Toluene	0.25	50	50	53	46	ug/Kg	106	92	14.1	59-139	21	
Trichloroethene	ND	50	50	50	45	ug/Kg	100	90	10.5	66-142	21	

QCBatchID: QC1173758	Analyst: dswafford	Method: EPA 6010B	
Matrix: Solid	Analyzed: 12/28/2016	Instrument: AAICP (group)	

Blank Summary													
Blank													
Analyte	Result	Units	MDL	RDL	Notes								
QC1173758MB1				•									
Lead	ND	mg/Kg	0.32	0.5									

	Lab Control Spike/ Lab Control Spike Duplicate Summary													
		Spike	Amount	Spike	Result		Reco	veries		Limit	ts			
Ar	nalyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes		
QC1173758LCS1					•		-	,						
Lead		100		105		mg/Kg	105			80-120				

Matrix Spike/Matrix Spike Duplicate Summary													
Sample Spike Amount Spike Result Recoveries Limits													
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes	
QC1173758MS1, QC1173758MSD1										Sc	ource:	385747-064	
Lead	27.9	100	100	102	115	mg/Kg				75-125	20		

QCBatchID:QC1173759Analyst:dswaffordMethod:EPA 6010BMatrix:SolidAnalyzed:12/28/2016Instrument:AAICP (group)

Blank Summary													
	Blank												
Analyte	Result	Units	MDL	RDL	Notes								
QC1173759MB1													
Antimony	ND	mg/Kg	0.37	3									
Arsenic	ND	mg/Kg	0.36	1									
Barium	ND	mg/Kg	0.23	1									
Beryllium	ND	mg/Kg	0.17	0.5									
Cadmium	ND	mg/Kg	0.21	0.5									
Chromium	ND	mg/Kg	0.13	1									
Cobalt	ND	mg/Kg	0.19	0.5									
Copper	ND	mg/Kg	0.31	1									
Lead	ND	mg/Kg	0.32	0.5									
Molybdenum	ND	mg/Kg	0.13	1									
Nickel	ND	mg/Kg	0.2	1.5									
Selenium	ND	mg/Kg	0.72	1									
Silver	ND	mg/Kg	0.13	0.5									
Thallium	ND	mg/Kg	0.42	1									
Vanadium	ND	mg/Kg	0.37	0.5									
Zinc	ND	mg/Kg	0.28	5									

Lab Control Spike/ Lab Control Spike Duplicate Summary												
	Spike /	Amount	Spike	Result		Reco	veries		Limi	ts		
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes	
QC1173759LCS1						•		•		•		
Antimony	100		108		mg/Kg	108			80-120			
Arsenic	100		87.2		mg/Kg	87			80-120			
Barium	100		99.4		mg/Kg	99			80-120			
Beryllium	100		98.6		mg/Kg	99			80-120			
Cadmium	100		97.8		mg/Kg	98			80-120			
Chromium	100		99.1		mg/Kg	99			80-120			
Cobalt	100		100		mg/Kg	100			80-120			
Copper	100		95.8		mg/Kg	96			80-120			
Lead	100		96.9		mg/Kg	97			80-120			
Molybdenum	100		89.3		mg/Kg	89			80-120			
Nickel	100		95.4		mg/Kg	95			80-120			
Selenium	100		89.2		mg/Kg	89			80-120			
Silver	100		95.2		mg/Kg	95			80-120			
Thallium	100		100		mg/Kg	100			80-120			
Vanadium	100		97.5		mg/Kg	98			80-120			
Zinc	100		89.1		mg/Kg	89			80-120			

	Mat	Matrix Spike/Matrix Spike Duplicate Summary													
	Sample	Spike /	Amount	Spike	Result		Recoveries			Limits					
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes			
QC1173759MS1, QC1173759MSD1	<u> </u>						•		•	Sc	urce:	385825-061			
Antimony	ND	100	100	23.0	25.1	mg/Kg	23	25	8.7	75-125	20	М			
Arsenic	3.49	100	100	88.6	85.7	mg/Kg	85	82	3.3	75-125	20				
Barium	88.4	100	100	204	196	mg/Kg	116	108	4.0	75-125	20				
Beryllium	ND	100	100	90.7	87.5	mg/Kg	91	88	3.6	75-125	20				
Cadmium	ND	100	100	87.4	83.0	mg/Kg	87	83	5.2	75-125	20				
Chromium	10.0	100	100	102	94.7	mg/Kg	92	85	7.4	75-125	20				
Cobalt	16.3	100	100	105	97.7	mg/Kg	89	81	7.2	75-125	20				
Copper	11.0	100	100	106	101	mg/Kg	95	90	4.8	75-125	20				
Lead	17.8	100	100	110	119	mg/Kg	92	101	7.9	75-125	20				

Enthalpy

QCBatchID: QC1173759	Analyst:	dswaff	ord	М	ethod: F	PA 6010B						
<u> </u>	•			•••	ouiou. L	1 7 00 100						
Matrix: Solid	Analyzed:	12/28/	2016	Instru	ıment: A	AICP (group	)					
	Sample	Spike	Amount	Spike	Result		Reco	overies		Limit	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173759MS1, QC1173759MSD1							•			Sc	ource:	385825-061
Molybdenum	ND	100	100	80.1	78.4	mg/Kg	80	78	2.1	75-125	20	
Nickel	9.80	100	100	99.8	96.1	mg/Kg	90	86	3.8	75-125	20	
Selenium	ND	100	100	79.7	81.0	mg/Kg	80	81	1.6	75-125	20	
Silver	ND	100	100	80.5	76.6	mg/Kg	81	77	5.0	75-125	20	
Thallium	ND	100	100	76.4	75.0	mg/Kg	76	75	1.8	75-125	20	
Vanadium	27.9	100	100	123	117	mg/Kg	95	89	5.0	75-125	20	
Zinc	45.1	100	100	133	126	ma/Ka	88	81	5.4	75-125	20	

QCBatchID:QC1173760Analyst:dswaffordMethod:EPA 6010BMatrix:SolidAnalyzed:12/28/2016Instrument:AAICP (group)

	Blar	k Summary				
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1173760MB1				•		
Antimony	ND	mg/Kg	0.37	3		
Arsenic	ND	mg/Kg	0.36	1		
Barium	ND	mg/Kg	0.23	1		
Beryllium	ND	mg/Kg	0.17	0.5		
Cadmium	ND	mg/Kg	0.21	0.5		
Chromium	ND	mg/Kg	0.13	1		
Cobalt	ND	mg/Kg	0.19	0.5		
Copper	ND	mg/Kg	0.31	1		
Lead	ND	mg/Kg	0.32	0.5		
Molybdenum	ND	mg/Kg	0.13	1		
Nickel	ND	mg/Kg	0.2	1.5		
Selenium	ND	mg/Kg	0.72	1		
Silver	ND	mg/Kg	0.13	0.5		
Thallium	ND	mg/Kg	0.42	1		
Vanadium	ND	mg/Kg	0.37	0.5		
Zinc	ND	mg/Kg	0.28	5		

Lab Cont	trol Spi	ke/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike /	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1173760LCS1						•		•		•	
Antimony	100		107		mg/Kg	107			80-120		
Arsenic	100		88.3		mg/Kg	88			80-120		
Barium	100		95.7		mg/Kg	96			80-120		
Beryllium	100		86.7		mg/Kg	87			80-120		
Cadmium	100		102		mg/Kg	102			80-120		
Chromium	100		97.5		mg/Kg	98			80-120		
Cobalt	100		101		mg/Kg	101			80-120		
Copper	100		91.6		mg/Kg	92			80-120		
Lead	100		102		mg/Kg	102			80-120		
Molybdenum	100		97.5		mg/Kg	98			80-120		
Nickel	100		96.1		mg/Kg	96			80-120		
Selenium	100		84.5		mg/Kg	85			80-120		
Silver	100		92.6		mg/Kg	93			80-120		
Thallium	100		87.7		mg/Kg	88			80-120		
Vanadium	100		95.3		mg/Kg	95			80-120		
Zinc	100		88.9		mg/Kg	89			80-120		

	Mat	rix Sp	ike/Matı	rix Spik	re Dupli	icate Sun	nmary					
	Sample	Spike	Amount	Spike	Result		Reco	overies		Limit	s	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173760MS1, QC1173760MSD1	'					•				Sc	urce:	385825-113
Antimony	ND	100	100	20.5	23.4	mg/Kg	21	23	13.2	75-125	20	М
Arsenic	1.10	100	100	72.6	76.7	mg/Kg	72	76	5.5	75-125	20	M
Barium	172	100	100	249	246	mg/Kg	77	74	1.2	75-125	20	M
Beryllium	ND	100	100	75.5	76.8	mg/Kg	76	77	1.7	75-125	20	
Cadmium	0.50	100	100	85.7	85.9	mg/Kg	85	85	0.2	75-125	20	
Chromium	19.7	100	100	101	102	mg/Kg	81	82	1.0	75-125	20	
Cobalt	14.1	100	100	95.5	96.0	mg/Kg	81	82	0.5	75-125	20	
Copper	19.8	100	100	100	102	mg/Kg	80	82	2.0	75-125	20	
Lead	0.90	100	100	79.8	82.8	mg/Kg	79	82	3.7	75-125	20	

**Enthalpy** 

QCBatchID: QC1173760	Analyst:	dswaff	ord	М	ethod: E	PA 6010B						
Matrix: Solid	Analyzed:	12/28/	2016	Instru	ıment: A	AICP (group)	)					
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173760MS1, QC1173760MSD1	*									Sc	ource:	385825-113
Molybdenum	ND	100	100	76.7	80.2	mg/Kg	77	80	4.5	75-125	20	
Nickel	11.6	100	100	93.9	97.0	mg/Kg	82	85	3.2	75-125	20	
Selenium	ND	100	100	69.0	72.5	mg/Kg	69	73	4.9	75-125	20	М
Silver	ND	100	100	76.8	77.5	mg/Kg	77	78	0.9	75-125	20	
Thallium	ND	100	100	56.1	63.0	mg/Kg	56	63	11.6	75-125	20	М
Vanadium	41.2	100	100	121	123	mg/Kg	80	82	1.6	75-125	20	
Zinc.	47 4	100	100	122	121	ma/Ka	75	74	0.8	75-125	20	М

QCBatchID: QC1173791 Analyst: nhernandez Method: EPA 8082 Matrix: Solid **Analyzed:** 12/28/2016 Instrument: SVOA-GC (group)

	Blar	nk Summar	<b>y</b>			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1173791MB1			•	,	,	•
PCB-1016	ND	mg/Kg	3	50		
PCB-1221	ND	mg/Kg	14	50		
PCB-1232	ND	mg/Kg	9.5	50		
PCB-1242	ND	mg/Kg	14	50		
PCB-1248	ND	mg/Kg	19	50		
PCB-1254	ND	mg/Kg	20	50		
PCB-1260	ND	mg/Kg	6.9	50		
PCB-1262	ND	mg/Kg	17	50		
PCB-1268	ND	mg/Kg	8.6	50		

Lab Con	trol Sp	ike/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1173791LCS1											
PCB-1016	0.05		0.046		mg/Kg	92			70-130		
PCB-1260	0.05		0.047		mg/Kg	94			70-130		

	Matrix Spike/Matrix Spike Duplicate Summary											
Sample Spike Amount Spike Result Recoveries Limits												
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173791MS1, QC1173791MSD1	•			•		,	•	,		Sc	urce:	385825-106
PCB-1016	ND	0.05	0.05	0.042	0.039	mg/Kg	84	78	7.4	70-130	20	
PCB-1260	ND	0.05	0.05	0.042	0.042	mg/Kg	84	84	0.0	70-130	20	

QCBatchID: QC1173797	Analyst: lytagas	Method: EPA 8015M	
Matrix: Solid	Analyzed: 12/29/2016	Instrument: SVOA-GC (group)	

	Blar	nk Summary	,										
	Blank												
Analyte	Result	Units	MDL	RDL	Notes								
QC1173797MB1													
TPH (C10 to C28)	ND	mg/Kg		10									
TPH (C28 to C40)	ND	mg/Kg		20									
TPH (C8 to C10)	ND	mg/Kg		10									

Lab C	Control Sp	ike/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike	Amount	Spike	Result		Reco	veries		Limit	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1173797LCS1				•						•	
TPH (C10 to C28)	250		290		mg/Kg	116			70-130		

Matrix Spike/Matrix Spike Duplicate Summary												
Sample Spike Amount Spike Result Recoveries Limits												
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173797MS1, QC1173797MSD1							•			Sc	urce:	385825-115
TPH (C10 to C28)	ND	250	250	240	300	mg/Kg	96	120	22.2	70-130	20	M

QCBatchID: QC1173807	Analyst: sandyw	Method: EPA 8015B	
Matrix: Solid	Analyzed: 12/29/2016	Instrument: VOA-GC (group)	

	Blar	nk Summary	/			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1173807MB1						
TPH Gasoline	ND	mg/Kg	0.159	3		

Lá	Lab Control Spike/ Lab Control Spike Duplicate Summary										
	Spike /	Amount	Spike	Result		Reco	veries		Limit	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1173807LCS1	•		•	•			,			•	
TPH Gasoline	5		4.01		mg/Kg	80			70-130		

Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173807MS1, QC1173807MSD1										Sc	urce:	385825-106
TPH Gasoline	ND	5	5	4.03	4.00	mg/Kg	81	80	0.7	70-130	20	

QCBatchID: QC1173808	Analyst: sandyw	Method: EPA 8015B	
Matrix: Water	<b>Analyzed:</b> 12/29/2016	Instrument: VOA-GC (group)	

	Blank Summary										
	Blank										
Analyte	Result	Units	MDL	RDL	Notes						
QC1173808MB1											
TPH Gasoline	ND	ug/L	6.6	50							

Lab Control Spike/ Lab Control Spike Duplicate Summary											
	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1173808LCS1, QC1173808LCSD1	•		•			•	,			•	
TPH Gasoline	500	500	390	395	ug/L	78	79	1	70-130	30	

QCBatchID:QC1173822Analyst:nhernandezMethod:EPA 8081AMatrix:WaterAnalyzed:12/29/2016Instrument:SVOA-GC (group)

	Blar	k Summar	у			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1173822MB1				•		
4,4'-DDD	ND	ug/L	0.011	0.1		
4,4'-DDE	ND	ug/L	0.006	0.1		
4,4'-DDT	ND	ug/L	0.011	0.1		
a-BHC	ND	ug/L	0.002	0.1		
Aldrin	ND	ug/L	0.007	0.1		
b-BHC	ND	ug/L	0.003	0.1		
Chlordane (technical)	ND	ug/L	0.27	1		
d-BHC	ND	ug/L	0.006	0.1		
Dieldrin	ND	ug/L	0.006	0.1		
Endosulfan I	ND	ug/L	0.004	0.1		
Endosulfan II	ND	ug/L	0.011	0.1		
Endosulfan sulfate	ND	ug/L	0.012	0.1		
Endrin	ND	ug/L	0.008	0.1		
Endrin aldehyde	ND	ug/L	0.009	0.1		
Endrin Ketone	ND	ug/L	0.011	0.1		
Heptachlor	ND	ug/L	0.003	0.1		
Heptachlor epoxide	ND	ug/L	0.002	0.1		
Lindane (Gamma-BHC)	ND	ug/L	0.002	0.1		
Methoxychlor	ND	ug/L	0.055	0.1		
Toxaphene	ND	ug/L	0.48	2		

Lab C	Control Sp	ike/ Lab	Contro	ol Spike	Duplicat	te Sun	nmary				
	Spike	Amount	Spike	Result		Reco	veries		Limit	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1173822LCS1, QC1173822LCSD1				'							
4,4'-DDE	0.05	0.05	0.039	0.041	ug/L	78	82	5	70-130	20	
4,4'-DDT	0.05	0.05	0.040	0.043	ug/L	80	86	7	70-130	20	
a-BHC	0.05	0.05	0.040	0.045	ug/L	80	90	12	70-130	20	
Aldrin	0.05	0.05	0.037	0.041	ug/L	74	82	10	70-130	20	
b-BHC	0.05	0.05	0.042	0.047	ug/L	84	94	11	70-130	20	
d-BHC	0.05	0.05	0.043	0.049	ug/L	86	98	13	70-130	20	
Dieldrin	0.05	0.05	0.040	0.042	ug/L	80	84	5	70-130	20	
Endosulfan I	0.05	0.05	0.038	0.042	ug/L	76	84	10	70-130	20	
Endosulfan II	0.05	0.05	0.037	0.041	ug/L	74	82	10	70-130	20	
Endosulfan sulfate	0.05	0.05	0.044	0.048	ug/L	88	96	9	70-130	20	
Endrin	0.05	0.05	0.042	0.045	ug/L	84	90	7	70-130	20	
Endrin aldehyde	0.05	0.05	0.038	0.042	ug/L	76	84	10	70-130	20	
Heptachlor	0.05	0.05	0.040	0.044	ug/L	80	88	10	70-130	20	
Heptachlor epoxide	0.05	0.05	0.039	0.043	ug/L	78	86	10	70-130	20	
Lindane (Gamma-BHC)	0.05	0.05	0.042	0.048	ug/L	84	96	13	70-130	20	
Methoxychlor	0.05	0.05	0.050	0.053	ug/L	100	106	6	70-130	20	

 QCBatchID:
 QC1173835
 Analyst:
 lucy
 Method:
 EPA 8260B

 Matrix:
 Water
 Analyzed:
 12/29/2016
 Instrument:
 VOA-MS (group)

	Blan	k Summar	у			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1173835MB1						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.25	5		
1,1,1-Trichloroethane	ND	ug/L	0.38	5		
1,1,2,2-Tetrachloroethane	ND	ug/L	0.25	5		
1,1,2-Trichloroethane	ND	ug/L	0.25	5		
1,1,2-Trichlorotrifluoroethane	ND	ug/L	0.29	5		
1,1-Dichloroethane	ND	ug/L	0.32	5		
1,1-Dichloroethene	ND	ug/L	0.3	5		
1,1-Dichloropropene	ND	ug/L	0.25	5		
1,2,3-Trichlorobenzene	ND	ug/L	0.28	5		
1,2,3-Trichloropropane	ND	ug/L	0.16	5		
1,2,4-Trichlorobenzene	ND	ug/L	0.27	5		
1,2,4-Trimethylbenzene	ND	ug/L	0.28	5		
1,2-Dibromo-3-chloropropane	ND	ug/L	0.12	5		
1,2-Dibromoethane	ND	ug/L	0.19	5		
1,2-Dichlorobenzene	ND	ug/L	0.26	5		
1,2-Dichloroethane	ND	ug/L	0.2	5		
1,2-Dichloropropane	ND	ug/L	0.36	5		
1,3,5-Trimethylbenzene	ND	ug/L	0.24	5		
1,3-Dichlorobenzene	ND	ug/L	0.34	5		
1,3-Dichloropropane	ND	ug/L	0.19	5		
1,4-Dichlorobenzene	ND	ug/L	0.43	5		
2,2-Dichloropropane	ND	ug/L	0.32	5		
2-Butanone (MEK)	ND	ug/L	0.78	100		
2-Chloroethyl Vinyl Ether	ND	ug/L	0.23	10		
2-Chlorotoluene	ND	ug/L	0.33			
4-Chlorotoluene	ND	ug/L	0.31	5		
4-Isopropyltoluene	ND	ug/L	0.32	5		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	0.12	5		
Acetone	ND	ug/L	10	100		
Allyl Chloride	ND	ug/L	0.19	5		
Benzene	ND	ug/L	0.18	1		
Bromobenzene	ND	ug/L	0.53	5		
Bromochloromethane	ND	ug/L	0.17	<del>-</del> 5		
Bromodichloromethane	ND	ug/L	0.31	5		
Bromoform	ND	ug/L	0.13	5		
Bromomethane	ND	ug/L	0.68	5		
Carbon Tetrachloride	ND	ug/L	0.27	<del>.</del> 5		
Chlorobenzene	ND	ug/L	0.19	5		
Chlorodibromomethane	ND ND	ug/L	0.19	5		
Chloroethane	ND ND	ug/L	0.45	5		
Chloroform	ND		0.43			
Chloromethane	ND ND	ug/L ug/L	0.16	5 5		
cis-1,2-Dichloroethene	ND ND	ug/L ug/L	0.27	5		
cis-1,3-dichloropropene	ND ND	ug/L ug/L	0.27	5 5		
cis-1,4-dichloro-2-butene	ND ND		0.25 0.17			
Dibromomethane	ND ND	ug/L ug/L	0.17	5		
Dichlorodifluoromethane	ND ND		0.23	5 5		
	ND ND	ug/L	0.33 0.17	ე 1		
Di-isopropyl ether (DIPE)		ug/L				
Ethylbenzene	ND ND	ug/L	0.21	5 1		
Ethyl-tertbutylether (ETBE)	ND ND	ug/L	0.23	1		
Hexachlorobutadiene	ND	ug/L	0.51	5		

 QCBatchID:
 QC1173835
 Analyst:
 lucy
 Method:
 EPA 8260B

 Matrix:
 Water
 Analyzed:
 12/29/2016
 Instrument:
 VOA-MS (group)

	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1173835MB1						
Isopropylbenzene	ND	ug/L	0.24	5		
m and p-Xylene	ND	ug/L	0.45	5		
Methylene chloride	ND	ug/L	0.16	5		
Methyl-t-butyl Ether (MTBE)	ND	ug/L	0.19	1		
Naphthalene	ND	ug/L	0.25	5		
N-butylbenzene	ND	ug/L	0.25	5		
N-propylbenzene	ND	ug/L	0.31	5		
o-Xylene	ND	ug/L	0.29	5		
Sec-butylbenzene	ND	ug/L	0.32	5		
Styrene	ND	ug/L	0.22	5		
t-Butyl alcohol (TBA)	ND	ug/L	5.2	10		
Tert-amylmethylether (TAME)	ND	ug/L	0.19	5		
Tert-butylbenzene	ND	ug/L	0.4	5		
Tetrachloroethene	ND	ug/L	0.8	5		
Toluene	ND	ug/L	0.24	5		
trans-1,2-dichloroethene	ND	ug/L	0.33	5		
trans-1,3-dichloropropene	ND	ug/L	0.23	5		
trans-1,4-dichloro-2-butene	ND	ug/L	0.17	5		
Trichloroethene	ND	ug/L	0.39	5		
Trichlorofluoromethane	ND	ug/L	0.25	5		
Vinyl Chloride	ND	ug/L	0.18	5		
Xylenes (Total)	ND	ug/L	0.45	5		

Lab (	Control Spike/ La	b Control Spike	e Duplica	te Summary	•			
	Spike Amount	Spike Result		Recoveries		Limit	ts	
Analyte	LCS LCSD	LCS LCSD	Units	LCS LCSD	RPD	%Rec	RPD	Notes
QC1173835LCS1	·	•	•					
1,1-Dichloroethene	50	46	ug/L	92		59-172		
Benzene	50	49	ug/L	98		62-137		
Chlorobenzene	50	49	ug/L	98		60-133		
Methyl-t-butyl Ether (MTBE)	50	45	ug/L	90		62-137		
Toluene	50	49	ug/L	98		59-139		
Trichloroethene	50	50	ug/L	100		66-142		

	Matrix Spike/Matrix Spike Duplicate Summary											
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173835MS1, QC1173835MSD1	Source: 385825-										385825-107	
1,1-Dichloroethene	ND	50	50	41	43	ug/L	82	86	4.8	59-172	22	
Benzene	ND	50	50	47	51	ug/L	94	102	8.2	62-137	24	
Chlorobenzene	ND	50	50	49	52	ug/L	98	104	5.9	60-133	24	
Methyl-t-butyl Ether (MTBE)	ND	50	50	45	49	ug/L	90	98	8.5	62-137	21	
Toluene	0.25	50	50	48	51	ug/L	96	102	6.1	59-139	21	
Trichloroethene	ND	50	50	49	51	ug/L	98	102	4.0	66-142	21	

QCBatchID: QC1173862	Analyst: dswafford	Method: EPA 6020	
Matrix: Solid	Analyzed: 12/30/2016	Instrument: AAICP (group)	

Blank Summary													
Blank													
Analyte	Result	Units	MDL	RDL	Notes								
QC1173862MB1	QC1173862MB1												
Arsenic	ND	mg/Kg	0.02	0.3									

Lab Con	Lab Control Spike/ Lab Control Spike Duplicate Summary											
Spike Amount Spike Result Recoveries Limits												
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes	
QC1173862LCS1				•			,		•	•		
Arsenic	50		55.6		mg/Kg	111			80-120			

Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	s	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173862MS1, QC1173862MSD1										So	urce:	385825-004
Arsenic	6.76	50	50	54.0	54.6	mg/Kg	94	96	1.1	75-125	20	

QCBatchID: QC1173872 Analyst: lytagas Method: EPA 8015B **Analyzed:** 12/30/2016 Matrix: Solid Instrument: SVOA-GC (group)

	Blank Summary												
Blank													
Analyte	Result	Units	MDL	RDL	Notes								
QC1173872MB1													
TPH Diesel	ND	mg/Kg	0.4	1									
TPH Motor Oil	ND	mg/Kg	2.1	5									

Lab Control Spike/ Lab Control Spike Duplicate Summary											
	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1173872LCS1, QC1173872LCSD1			•					•			
TPH Diesel	25	25	24.3	27.9	mg/Kg	97	112	14	70-130	20	

QCBatchID: QC1173955	Analyst: JParedes	Method: EPA 7471A
Matrix: Solid	Analyzed: 01/03/2017	Instrument: AAICP-HG1

Blank Summary													
Blank													
Analyte	Result	Units	MDL	RDL	Notes								
QC1173955MB1	QC1173955MB1												
Mercury	ND	mg/Kg	0.02	0.14									

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Spike Amount Spike Result Recoveries Limits											
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1173955LCS1				•			,		•	•	
Mercury	0.83		0.84		mg/Kg	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1173955MS1, QC1173955MSD1						•	•		•	Sc	urce:	385948-001
Mercury	ND	0.83	0.83	0.04	0.03	mg/Kg	5	4	28.6	75-125	20	M

 QCBatchID:
 QC1173984
 Analyst:
 Iwong
 Method:
 EPA 8082

 Matrix:
 Water
 Analyzed:
 01/02/2017
 Instrument:
 SVOA-GC (group)

	Blank Summary												
	Blank												
Analyte	Result	Units	MDL	RDL	Notes								
QC1173984MB1	•					,							
PCB-1016	ND	ug/L	0.13	0.5									
PCB-1221	ND	ug/L	0.24	0.5									
PCB-1232	ND	ug/L	0.12	0.5									
PCB-1242	ND	ug/L	0.071	0.5									
PCB-1248	ND	ug/L	0.12	0.5									
PCB-1254	ND	ug/L	0.084	0.5									
PCB-1260	ND	ug/L	0.082	0.5									
PCB-1262	ND	ug/L	0.083	0.5									
PCB-1268	ND	ug/L	0.039	0.5									

Lab Con	Lab Control Spike/ Lab Control Spike Duplicate Summary											
Spike Amount Spike Result Recoveries Limits												
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes	
QC1173984LCS1, QC1173984LCSD1						•	•					
PCB-1016	0.5	0.5	0.42	0.40	ug/L	84	80	5	70-130	20		
PCB-1260	0.5	0.5	0.42	0.38	ug/L	84	76	10	70-130	20		

QCBatchID: QC1174000 Analyst: lytagas Method: EPA 8015B **Analyzed:** 01/04/2017 Matrix: Water Instrument: SVOA-GC (group)

	Blank Summary											
Blank												
Analyte	Result	Units	MDL	RDL	Notes							
QC1174000MB1			•									
TPH Diesel	0.45	mg/L	0.04	0.1	В							
TPH Motor Oil	0.26 J	mg/L	0.07	0.3								

Lab Control Spike/ Lab Control Spike Duplicate Summary											
Spike Amount Spike Result Recoveries Limits											
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1174000LCS1, QC1174000LCSD1								•			
TPH Diesel	1	1	1.1	1.2	mg/L	110	120	9	70-130	20	

 QCBatchID:
 QC1174165
 Analyst:
 kedy
 Method:
 EPA 6010B

 Matrix:
 Solid
 Analyzed:
 01/09/2017
 Instrument:
 AAICP (group)

	Blank Summary											
Blank												
Analyte	Result	Units	MDL	RDL	Notes							
QC1174165MB1				•								
Chromium	ND	mg/L	0.006	0.03								
Lead	ND	mg/L	0.012	0.015								

	Matrix Spike/Matrix Spike Duplicate Summary											
	Sample Spike Amount Spike Result Recoveries Limits									ts		
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1174165MS1, QC1174165MSD1										Sc	ource:	385727-001
Chromium	ND	10	10	9.75	10.0	mg/L	97	100	2.5	75-125	20	
Lead	ND	10	10	9.36	9.47	mg/L	93	94	1.2	75-125	20	

QCBatchID: QC1174191	Analyst: dswafford	Method: EPA 6010B	
Matrix: Solid	Analyzed: 01/10/2017	Instrument: AAICP (group)	

Blank Summary													
Blank													
Analyte	Result	Units	MDL	RDL	Notes								
QC1174191MB1	QC1174191MB1												
Lead	ND	mg/L	0.004	0.05									

Lab Con	Lab Control Spike/ Lab Control Spike Duplicate Summary											
Spike Amount Spike Result Recoveries Limits												
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes	
QC1174191LCS1				•		,	,		•	•		
Lead	2		2.06		mg/L	103			80-120			

Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Sample Spike Amount Spike Result Recoveries Limits										
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1174191MS1, QC1174191MSD1										Sc	urce:	386062-002
Lead	ND	1	1	0.955	0.941	mg/L	96	95	1.5	75-125	20	

QCBatchID: QC1174225	Analyst: dswafford	Method: EPA 6010B	
Matrix: Solid	Analyzed: 01/11/2017	Instrument: AAICP (group)	

Blank Summary													
Blank													
Analyte	Result	Units	MDL	RDL	Notes								
QC1174225MB1	QC1174225MB1												
Lead	ND	mg/Kg	0.32	0.5									

Lab Con	Lab Control Spike/ Lab Control Spike Duplicate Summary											
Spike Amount Spike Result Recoveries Limits												
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes	
QC1174225LCS1				•		,	,		•	•		
Lead	100		108		mg/Kg	108			80-120			

Matrix Spike/Matrix Spike Duplicate Summary													
Sample Spike Amount Spike Result Recoveries Limits													
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes	
QC1174225MS1, QC1174225MSD1										So	urce:	384618-005	
Lead	14.7	100	100	110	114	mg/Kg	95	99	3.6	75-125	20		

 QCBatchID:
 QC1174444
 Analyst:
 jeannynguye
 Method:
 EPA 6010B

 Matrix:
 Solid
 Analyzed:
 01/18/2017
 Instrument:
 AAICP (group)

	Blan	k Summar	У			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1174444MB1				•		
Antimony	0.51 J	mg/Kg	0.37	3		
Arsenic	ND	mg/Kg	0.36	1		
Barium	ND	mg/Kg	0.23	1		
Beryllium	ND	mg/Kg	0.17	0.5		
Cadmium	ND	mg/Kg	0.21	0.5		
Chromium	ND	mg/Kg	0.13	1		
Cobalt	ND	mg/Kg	0.19	0.5		
Copper	ND	mg/Kg	0.31	1		
Lead	ND	mg/Kg	0.32	0.5		
Molybdenum	ND	mg/Kg	0.13	1		
Nickel	ND	mg/Kg	0.2	1.5		
Selenium	ND	mg/Kg	0.72	1		
Silver	ND	mg/Kg	0.13	0.5		
Thallium	ND	mg/Kg	0.42	1		
Vanadium	ND	mg/Kg	0.37	0.5		
Zinc	ND	mg/Kg	0.28	5		

Lab Cor	ntrol Sp	ike/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1174444LCS1	'					•					
Antimony	100		107		mg/Kg	107			80-120		
Arsenic	100		91.7		mg/Kg	92			80-120		
Barium	100		104		mg/Kg	104			80-120		
Beryllium	100		95.7		mg/Kg	96			80-120		
Cadmium	100		101		mg/Kg	101			80-120		
Chromium	100		98.9		mg/Kg	99			80-120		
Cobalt	100		101		mg/Kg	101			80-120		
Copper	100		92.9		mg/Kg	93			80-120		
Lead	100		98.7		mg/Kg	99			80-120		
Molybdenum	100		100		mg/Kg	100			80-120		
Nickel	100		101		mg/Kg	101			80-120		
Selenium	100		86.6		mg/Kg	87			80-120		
Silver	100		92.0		mg/Kg	92			80-120		
Thallium	100		100		mg/Kg	100			80-120		
Vanadium	100		97.9		mg/Kg	98			80-120		
Zinc	100		98.2		mg/Kg	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limits		
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1174444MS1, QC1174444MSD1										Sc	ource:	386559-001
Antimony	0.42	100	100	115	104	mg/Kg	115	104	10.0	75-125	20	
Arsenic	ND	100	100	109	103	mg/Kg	109	103	5.7	75-125	20	
Barium	2.66	100	100	114	111	mg/Kg	111	108	2.7	75-125	20	
Beryllium	ND	100	100	117	106	mg/Kg	117	106	9.9	75-125	20	
Cadmium	ND	100	100	118	113	mg/Kg	118	113	4.3	75-125	20	
Chromium	0.42	100	100	110	110	mg/Kg	110	110	0.0	75-125	20	
Cobalt	ND	100	100	113	115	mg/Kg	113	115	1.8	75-125	20	
Copper	2.48	100	100	111	109	mg/Kg	109	107	1.8	75-125	20	
Lead	ND	100	100	111	108	mg/Kg	111	108	2.7	75-125	20	

QCBatchID: QC1174444	Analyst:	jeanny	nguye	М	ethod: E	PA 6010B						
Matrix: Solid	Analyzed:	01/18/2	2017	Instru	ument: A	AICP (group	)					
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1174444MS1, QC1174444MSD1	*					,				Sc	ource:	386559-001
Molybdenum	0.15	100	100	112	108	mg/Kg	112	108	3.6	75-125	20	
Nickel	0.30	100	100	115	117	mg/Kg	115	117	1.7	75-125	20	
Selenium	1.73	100	100	111	103	mg/Kg	109	101	7.5	75-125	20	
Silver	ND	100	100	100	95.7	mg/Kg	100	96	4.4	75-125	20	
Thallium	ND	100	100	108	108	mg/Kg	108	108	0.0	75-125	20	
Vanadium	0.47	100	100	112	110	mg/Kg	112	110	1.8	75-125	20	
Zinc.	6 94	100	100	121	117	ma/Ka	114	110	3 4	75-125	20	

QCBatchID: QC1174723	Analyst: jeannynguye	Method: EPA 6010B
Matrix: Solid	Analyzed: 01/25/2017	Instrument: AAICP (group)

	Blar	nk Summary	/		Blank Summary												
Blank																	
Analyte	Result	Units	MDL	RDL	Notes												
QC1174723MB1		•			•	•											
Lead	ND	mg/L	0.012	0.015													

Matrix Spike/Matrix Spike Duplicate Summary												
Sample Spike Amount Spike Result Recoveries Limits												
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1174723MS1, QC1174723MSD1										Sc	ource:	385825-017
Lead	2.88	10	10	10.8	11.2	mg/L	79	83	3.6	75-125	20	

 QCBatchID:
 QC1174909
 Analyst:
 dswafford
 Method:
 EPA 6010B

 Matrix:
 Solid
 Analyzed:
 02/01/2017
 Instrument:
 AAICP (group)

	Blan	k Summar	у										
Blank													
Analyte Result Units MDL RDL Notes													
C1174909MB1													
Chromium	0.021 J	mg/L	0.006	0.03									
Lead	ND	mg/L	0.012	0.015									
Nickel	0.016 J	mg/L	0.003	0.06									

	Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Spike /	Amount	Spike	Result		Reco	veries		Limit	:S		
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes	
QC1174909MS1, QC1174909MSD1										Sc	ource:	386813-002	
Chromium	0.972	10	10	10.4	9.65	mg/L	94	87	7.5	75-125	20		
Lead	ND	10	10	8.74	8.43	mg/L	87	84	3.6	75-125	20		
Nickel	0.734	10	10	9.98	9.34	mg/L	92	86	6.6	75-125	20		

QCBatchID: QC1175179 Analyst: dswafford Method: EPA 6010B **Analyzed:** 02/08/2017 Matrix: Solid Instrument: AAICP (group)

	Blar	nk Summary	/										
Blank													
Analyte Result Units MDL RDL Notes													
C1175179MB1													
Cadmium	ND	mg/L	0.001	0.05									
Chromium	ND	mg/L	0.002	0.05									
Lead	ND	mg/L	0.004	0.05									

Lab Control Spike/ Lab Control Spike Duplicate Summary											
	Spike .	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1175179LCS1										·	
Cadmium	2		2.36		mg/L	118			80-120		
Chromium	2		2.25		mg/L	113			80-120		
Lead	2		1.852		mg/L	93			80-120		

	Mat	rix Sp	ike/Matı	rix Spik	e Dupli	cate Sum	mary					
	Sample	Spike /	Amount	Spike	Result		Reco	veries		Limit	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1175179MS1, QC1175179MSD1										Sc	ource:	386055-001
Cadmium	0.010	1	1	1.088	1.087	mg/L	108	108	0.1	75-125	20	
Chromium	ND	1	1	1.114	1.105	mg/L	111	111	8.0	75-125	20	
Lead	ND	1	1	0.806	0.854	mg/L	81	85	5.8	75-125	20	

## **Data Qualifiers and Definitions**

## **Qualifiers**

A See Report Comments.

**B** Analyte was present in an associated method blank.

**B1** Analyte was present in a sample and associated method blank greater than MDL but less than RDL.

**BQ1** No valid test replicates. Sample Toxicity is possible. Best result was reported.

BQ2 No valid test replicates.

**BQ3** No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.

**C** Possible laboratory contamination.

**D** RPD was not within control limits. The sample data was reported without further clarification.

D1 Lesser amount of sample was used due to insufficient amount of sample supplied.

D2 Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting

limit.

**DW** Sample result is calculated on a dry weigh basis.

E Concentration is estimated because it exceeds the quantification limits of the method.

The sample was read outside of the method required incubation period.

J Reported value is estimated

L The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits.

Associated sample data was reported with qualifier.

M The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The

associated LCS and/or LCSD was within control limits and the sample data was reported without further

clarification.

M1 The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.

M2 The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or

LCSD was not within control limits. Sample result is estimated.

N1 Sample chromatography does not match the specified TPH standard pattern.

NC The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery

and limits do not apply.

P Sample was received without proper preservation according to EPA guidelines.

P1 Temperature of sample storage refrigerator was out of acceptance limits.

P2 The sample was preserved within 24 hours of collection in accordance with EPA 218.6.

Q1 Analyte Calibration Verification exceeds criteria. The result is estimated.

Q2 Analyte calibration was not verified and the result was estimated.

Q3 Analyte initial calibration was not available or exceeds criteria. The result was estimated.

S The surrogate recovery was out of control limits due to matrix interference. The associated method blank

surrogate recovery was within control limits and the sample data was reported without further clarification.

**S1** The associated surrogate recovery was out of control limits; result is estimated.

S2 The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds.

Surrogate recoveries in the associated batch QC met recovery criteria.

S3 Internal Standard did not meet recovery limits. Analyte concentration is estimated.

T Sample was extracted/analyzed past the holding time.

T1 Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).

T2 Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.

T3 Sample received and analyzed out of hold time per client's request.

T4 Sample was analyzed out of hold time per client's request.

T5 Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.

**T6** Hold time is indeterminable due to unspecified sampling time.

T7 Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

## **Definitions**

**DF** Dilution Factor

MDL Method Detection Limit. Result is reported ND when it is less than or equal to MDL.

ND Analyte was not detected or was less than the detection limit.

NR Not Reported. See Report Comments.

RDL Reporting Detection Limit

TIC Tentatively Identified Compounds

Ü	THALF	ENTHALPHY ANALYTICAL, INC.	3			Chain of Custody Record	tody Rec	ord		In	Aroun	d Tim	e (Rush	Turn Around Time (Rush by advanced notice only)	ed notic	e only)
~	806 N. Ba	806 N. Batavia St., Orange, CA 92868			Lab No:	o: 28582	825	. ^		Standard:	×		4 Day:	E.	3 Day:	
Pho	ne: (714)	Phone: (714) 771-6900 Fax: (714)771-9933			Page:	<b>~</b>	of	7	12	2 Day:			1 Day:	Se	Same Day:	
Billing: E	Billing: Enthalpy - SoCal	SoCal				Matrix: A = Air	Air DW = Drinking Water	Drinki		   =				0		
c/o Mor	ntrose Env	c/o Montrose Environmental Group	Ž	-400		FL = Food Liquid FS = Food Solid PP = Pure Product S = Solid SeaW	FS = Food	SeaW	L = Liquid / = Sea Wat	Solid L = Liquid SeaW = Sea Water	<u> </u>	reserv	Preservatives: 1 $4 = H_2 SO_4$	= $Na_2S_2O_3$ 5 = $NaOH$	2 = HCl 3 6 = Other	= HNO₃
1 Park P	laza, Suite	1 Park Plaza, Suite 1000, Irvine, CA 92614	analytí	,		SW = Swab W = Water WP = Wipe	Vater WP	= Wip		0 = Other			-			
	IJ	CUSTOMER INFORMATION		PR	PROJECT INF	INFORMATION				Analysis Request	quest			Test Instructions / Comments	tions / Cor	nments
Company:		CES Group		Name:	Grant HS			,		229						
Report To:	<u>ن</u>	Skye Green		Number:					(8	108	· · · · · · · · · · · · · · · · · · ·					
Email:		sgreen@cesgroup.co		P.O.#:					1180	eľoj]	(A.					
Address:		33353 Temecula Pkwy , Suite 104#333	04#333	Address:	13000 Oxnard St.	ırd St.			8) sə	səip'	I L <del>D</del> L			;		,
		Temecula, CA 92592			Los Angeles, CA 91335	, CA 91335			sticio	sea s	108/	A-mark-ri-ri-ri-ri-ri-ri-ri-ri-ri-ri-ri-ri-ri-	Ą	Analyze 0,5' samples. Hold deeper samples.	samples. Ho samples.	old deeper
Phone:		714-398-6363		Global ID:							09) s				•	
Fax:		951-848-9812		Sampled By:	D. Baysa					(809)		<u> </u>	,			
		Sample ID	Sampling Date	Sampling	Matrix	Container No. / Size	Pres.	Lead (60: Arsenic (	Organoch	Pet Hydri VOCs (82	7 SZ 9ljiT					•
1 S4-0.5	7.5'		12/23/16	8:55 AM	s	1/8oz			×				į.			
2 54-1.5	1.5'		12/23/16	9:00 AM	S	1/802										- 4
3 \$4-2.5	2.5'		12/23/16	9:05 AIM	S	1/802										
4 S5-0.5'	7.5'		12/23/16	8:00 AM	S	1/8oz		×	×		1-626-N-1-602-N					
5 \$5-1.5	1.5'		12/23/16	8:05 AM	S	1/802		***************************************			<del>}</del>					
6 55-2.5	2.5'		12/23/16	8:10 AM	S	1/80z										
7   \$6-0.5	5.5'		12/23/16	7:45 AM	S	1/802		×	×							
8 56-1.5	1.5'		12/23/16	7:50 AM	S	1/8oz	***************************************									
9 S6-2.5'	2.5'		12/23/16	7:55 AM	S	1/8oz										
10					S										200000000000000000000000000000000000000	
		Si	Signature		G	Print Name				Company	/ Title			Date ,	e / Time	
¹Relin≀	Relinquished By:	<u> </u>	Shoot Me		Ō	Danny Baysa		$ ^{\circ} $	ES Gr	CES Group/ Field Supervisor	l Super	visor	스	91/tre		Ohal
<sup>1</sup> Recei	<sup>1</sup> Received By:	7			24m	Molled				Emy of			2	124/16		070
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<sup>2</sup> Recei	<sup>2</sup> Received By:															
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806 N.	806 N. Batavia St., Orange, CA 92868	, CA 92868			Lab No:	% 385825°	826	. (	Standard:	×	4 Day:	m	3 Day:	
Phone: (7.	Phone: (714) 771-6900 Fax:	Fax: (714)771-9933			Page:	2	of	12	2 Day:		1 Day:	2	Same Day:	
Billing: Enthalpy - SoCal	Billing: Enthalpy - SoCal c/o Montrose Environmental Group	g.	ENT S	ENTHALPY analytical, inc.		Matrix: A = Air DW = Drinkin FL = Food Liquid FS = Food Solid DD = Dura Broduct S = Solid SeaW	Air DW = I FS = Food S = Solid	wy	g Water L= Liquid = Sea Water	Pres	Preservatives:	1 = Na2S2O3 O. $5 = NaOH$	2 = HCl 3 = HNO <sub>3</sub> 6 = Other	)3
1 Park Plaza, S	1 Park Plaza, Suite 1000, Irvine, CA 92614	4 92614				SW = Swab W = Water WP = Wipe	y= solld Vater WP		o = Other		7	, to		
	CUSTOMER INFORMATION	ORMATION		PR	PROJECT INF	INFORMATION			Analysis Request	quest		Test Instruc	Test Instructions / Comments	S
Company:	CES Group		Na	Name:	Grant HS				၁၁၄					
Report To:	Skye Green		N.	Number:				(8		**************************************	pale <del>nd , i V. C ***</del> *			
Email:	sgreen@cesgroup.co	iroup.co	P.(	P.O.#:				11808		(A.				
Address:	33353 Temecula	33353 Temecula Pkwy, Suite 104#333		Address:	13000 Oxnard St.	ırd St.		3) səl		[[747]				
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Phone:	714-398-6363		Ü	Global ID:					e uoc					
Fax:	951-848-9812		Sa	Sampled By:	D. Baysa	,		0709	ocsu <sub>(</sub>		ρ			
	Sample ID	<b>.</b>	Sampling Date	Sampling Time	g Matrix	Container No. / Size	Pres.	Lead (60) Arsenic ( Organoc	Pet Hydr VOCs (82	Title 22 I				
1 \$7-0.5'		:	12/23/16	7:40 AM	S	1/8oz		x x x						
2 57-1.5'			12/23/16	7:55 AM	S   V	1/802								
3 57-2.5			12/23/16	8:00 AM	1 S	1/8oz								
4 S8-0.5			12/23/16	8:20 AM	S 1	1/802		×					į	
5 S8-1.5			12/23/16	8:25 AM	S	1/802								
6 58-2.5			12/23/16	8:30 AM	S	1/80z								
7   59-0.5'			12/23/16	9:00 AM	A S	1/802		× × ×						
8   S9-1.5'			12/23/16	9:05 AM	S	1/802								
9   59-2.5'			12/23/16	9:10 AM	S	1/802								
10					S	100 miles (100 miles (						moont/towellilitettetologyayayayayayin	and the second s	Walker Here
		Signa	Signature			Print Name			Company / Title	Title			Tin	
<sup>1</sup> Relinquished By:	ed By:	Colour				Danny Baysa		CES G	CES Group/ Field Supervisor	Superviso	'n	21/hdel	01,01	
<sup>1</sup> Received By	Зу:	0			240	PADILLA			Egyld.			12/24/16	(m.21)	
<sup>2</sup> Relinquished By:	ed By:													
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Billing: Enthalpy - SoCal	thalpy - S	ioCal			00° E &			DW = Drinking Water	אid Wa	ter	ė		ł	ONH - E DH - C	
c/o Montro	ose Envii	c/o Montrose Environmental Group	analytic	ytical, inc	18	FL = Food Liquid PP = Pure Product		FS = Food Solid L = Liquid S = Solid SeaW = Sea Wate	Solid L=Liquid SeaW = Sea Water	iquid 3 Water	<u> </u>	eservati 4 :	11. VES: $1 = Nd_2 S_2 U_3$ $4 = H_2 S O_4$ $5 = NaOH$	6 = Other	e,
1 Park Plaz	za, Suite	1 Park Plaza, Suite 1000, Irvine, CA 92614				SW = Swab $W = Water$ $WP = Wipe$	W = Wate	r WP=1		0 = Other					
	CUS	CUSTOMER INFORMATION		PF	PROJECT IN	INFORMATION	NC			Analysis Request	quest		Test Instr	Test Instructions / Comments	S
Company:		CES Group	-	Name:	Grant HS					200					
Report To:		Skye Green	-	Number:					(5						
Email:	SI	sgreen@cesgroup.co		P.O.#:					1808		(A.				
Address:	8	33353 Temecula Pkwy , Suite 104#333		Address:	13000 Oxr	Oxnard St.			8) səl		[ZÞZ,		-		
	<u> </u>	Temecula, CA 92592			Los Angel	Los Angeles, CA 91335			sticic		/80T		Analyze 0.5' samples.	samples. Hold deeper samples.	ė.
Phone:	7	714-398-6363		Global ID:						e noc	09) s				
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	·	Sample ID	Sampling Date	Sampling	g Matrix	rix Container No. / Size		<b>7</b> (60) Seal	Arsenic ( Organoc	Pet Hydr VOCs (82 PCBs (80	Title 22 l				
1  \$10-0.5	.5.		12/23/16	8:10 AM	S	1/802	20	×							
2   \$10-1.5	.5:		12/23/16	8:15 AM	S	1/802	ZC								
3 S10-2.5	.Z:		12/23/16	8:20 AM	۷ s	1/802	zc					handle character to the			
4 \$11-0.5	.5.		12/23/16	1:40 PM	s V	1/8oz	zc	×	×						
5 \$11-1.5	.5:		12/23/16	1:45 PM	8 V	1/802	ZC						-		
6 S11-2.5	.5.		12/23/16	1:50 PM	S	1/802	2C						4904		
7  512-0.5	.5.		12/23/16	1:55 PM	۷	1/802	ZC	×	×	U					
8   \$12-1.5	.5'		12/23/16	2:00 PM	۷ s	1/802	ZC								
9   \$12-2.5	.5.		12/23/16	2:05 PM	N S	1/802	25	<del> </del>							
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c/o Montrose En	c/o Montrose Environmental Group	100 100 100	analytical, inc.	<del>«««»»»</del>	FL=Food Liquid FS=Food Soild PP=Pure Product S=Solid SeaW	S = Solid		ea Water		4	04 5 = NaOH	er e
1 Park Plaza, Suit	1 Park Plaza, Suite 1000, Irvine, CA 92614			S	SW = Swab W = Water WP = Wipe	Vater WP		0 = Other				
ට ට	CUSTOMER INFORMATION		PR(	PROJECT INFO	INFORMATION			Analysis Request	quest		Test Instruc	Test Instructions / Comments
Company:	CES Group		Name:	Grant HS				205				
Report To:	Skye Green		Number:				18					
Email:	sgreen@cesgroup.co		P.O.#:				1 L & U &		(A.	-		
Address:	33353 Temecula Pkwy , Suite 104#333		Address:	13000 Oxnard St	ırd St.		D) 30		[/ <sub>7</sub> /,		1 1 1	
	Temecula, CA 92592			Los Angeles, CA 91335	, CA 91335				/10B		Analyze u.5 sa	Analyze u.5 samples. noid deeper samples.
Phone:	714-398-6363		Global ID:					e uoc	)9) s			
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1   S13-0.5'		12/23/16	3:40 PM	S	1/802	4	×	×		$\exists$		
2 513-1.5'		12/23/16	3:45 PM	\$	1/8oz							
3 \$13-2.5		12/23/16	3:50 PM	S	1/8oz							
4 \$14-0.5		12/23/16	2:25 PM	5	1/802		×	×				
5   \$14-1.5		12/23/16	2:30 PM	S	1/8oz							
6 \$14-2.5		12/23/16	2:35 PM	S	1/8oz						100000000000000000000000000000000000000	
7 \$15-0.5'		12/23/16	8:45 AM	S	1/8oz		× ×	×				والمالية المالية
8 515-1.5'		12/23/16	8:50 AM	8	1/8oz							
9 \$15-2.5		12/23/16	8:55 AM	S	1/8oz					-		
10				S						Marting Market State of State	a samma a samma na s	AN THE REAL PROCESSION OF THE PROPERTY OF THE
	Sig	Signature		4	Print Name			Company,	/ Title		Date	/Tir
<sup>1</sup> Relinquished By:	d By: O'Chulsa			٥	Danny Baysa		CES (	CES Group/ Field Supervisor	Supervi	sor	2/20/10	Ofrei
<sup>1</sup> Received By:				200	14011CA			for the	desired was a second		12/27/16	525
<sup>2</sup> Relinquished By:	d By:		3.71									
<sup>2</sup> Received By:												10.2 million de State e de State de Constantino de State de Constantino de Constantino de Constantino de Const
<sup>3</sup> Relinquished By:	d By:	į										
<sup>3</sup> Received By:												

ENTHAL	ENTHALPHY ANALYTICAL, INC.	1		200		ody Reco	p.d		Turn A	round Ti	me (Ru	ush by advan	Turn Around Time (Rush by advanced notice only)	
806 N. B	806 N. Batavia St., Orange, CA 92868			Lab No:	6 <i>Q</i>	5856		Standard:	ard:	×	4 Day:		3 Day:	
Phone: (714) 771-6900	771-6900 Fax: (714)771-9933			Page:	ις,	of	12	2 Day:			1 Day:		Same Day:	
Billing: Enthalpy - SoCal	- SoCal		•	Colleges, by pr			DW = Drinking Water	Nater		i i	•	•	n	
c/o Montrose En	c/o Montrose Environmental Group	analytio	ytical, inc		FL = Food Liquid PP = Pure Product	FS = Food Solid S = Solid SeaW	Solid L	Solid L = Liquid SeaW = Sea Water	<u> </u>	resc Serve	preservatives: 4 = H <sub>2</sub> S	Itives: $L = Na_2 S_2 U_3$ $4 = H_2 SO_4$ $5 = NaOH$	z= HCl s≡ riNO <sub>3</sub> 6 = Other	
1 Park Plaza, Suit	1 Park Plaza, Suite 1000, Irvine, CA 92614			S	≥ !	ater WP	= Wipe	0 = Other	<u>.</u>					
ŭ	CUSTOMER INFORMATION		PR(	PROJECT INFO	INFORMATION			Analy	Analysis Request	est		Test Instru	Test Instructions / Comments	
Company:	CES Group		Name:	Grant HS				၁၁၄			40			
Report To:	Skye Green		Number:											
Email:	sgreen@cesgroup.co		P.O.#:				ω			<b>(∀</b> 1				
Address:	33353 Temecula Pkwy , Suite 104#333		Address:	13000 Oxnard St	rd St.				•	[	····			
	Temecula, CA 92592		i.	Los Angeles, CA 91335	, CA 91335				•	/80T		Analyze 0.5' S	Analyze u.5' samples. Hoid deeper samples.	Ü
Phone:	714-398-6363		Global ID:				(	e uoc		09) s				
Fax:	951-848-9812		Sampled By:	D. Baysa				ocsu		Metal				
	Sample ID	Sampling Date	Sampling	Matrix	Container No. / Size	Pres.	Lead (60) ) cines1A	Organoc 1byH 199	VOCs (82	1 22 회카구		- Live and the second s	;	
1  516-0.5	- interest and in the second	12/22/16	4:20 PM	S	1/802		×	×						
2 S16-1.5'		12/22/16	4:25 PM	S	1/802									
3 S16-2.5'		12/22/16	4:30 PM	S	1/802									
4 \$17-0.51		12/23/16	9:30 AM	S	1/802		×	×						
5 S17-1.5'		12/23/16	9:40 AM	S	1/802									
6   \$17-2.5		12/23/16	9:45 AM	S	1/8oz							1		
7 S18-0.5		12/22/16	4:10 PM	S	1/802		×	×						
8 S18-1.5'		12/22/16	4:15 PM	S	1/8oz							Į.		
9 518-2.5'		12/22/16	4:20 PM	S	1/8oz						_	ļ		
10				5								mannancember (1966) (this trains passes see the	H (2/22/VII)VOAVANIAARIN BÜÜNTÜÜÜTÜN TÜNEN TÜREN T	2 martin page ( ) and
	Sig	Signature		α.	Print Name			Com	Company / Title	litle .	TOO SECURE OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND A	ŀ	Date / Time	
<sup>1</sup> Relinquished By:	d By:	1		۵	Danny Baysa		CES	Group/	Field	Group/ Field Supervisor		27 16	oho)	
<sup>1</sup> Received By:	,			140 M	10. LA			love.	Ħ	The state of the s		(2/24/11	040	
<sup>2</sup> Relinquished By:	d By:													
<sup>2</sup> Received By:	The state of the s	>								The state of the s				
<sup>3</sup> Relinquished By:	d By:													
<sup>3</sup> Received By:														

	ENTHALF	ENTHALPHY ANALYTICAL, INC.		diany, at the same of the	38	Chain of Cust	ody Rec	D.	Turn	Around T	ime (Rus	h by advan	Turn Around Time (Rush by advanced notice only)
	806 N. Ba	806 N. Batavia St., Orange, CA 92868			Lab No:	o: 385875	2876	ιN	Standard:	×	4 Day:		3 Day:
ᇿ	Phone: (714) 771-6900	771-6900 Fax: (714)771-9933			Page:	9	of	12	2 Day:		1 Day:	0,	Same Day:
Billin	Billing: Enthalpy - SoCal	SoCal		FIAIPY		Matrix: A = Air FL = Food Liquid Fi	ir DW = I FS = Food	DW = Drinking Water = Food Solid L = Liqu	g Water L = Liquid	Presi	Preservatives:	$1 = Na_2 S_2 O_3$	2 = HCl 3 = HNO <sub>3</sub>
c/o l 1 Par	Montrose En rk Plaza, Suite	c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	г С	ytical, inc	· · · · · · · · · · · · · · · · · · ·	PP = Pure Product S = S SW = Swab W = Water	S = Solid Vater WP	olid SeaW = Sea Water WP = Wipe 0 = Other	Sea Water O = Other		4 = H <sub>2</sub> S	$4 = H_2 SO_4 5 = NaOH$	6 = Other
	no Cn	CUSTOMER INFORMATION		PR(	PROJECT INF	NFORMATION			Analysis Request	quest		Test Instruc	Test Instructions / Comments
l E S	Company:	CES Group		Name:	Grant HS				225	·	- to the last		
Repo	Report To:	Skye Green		Number:				16					
Email:	#	sgreen@cesgroup.co		P.O.#:				1180		(A.	<u>-</u>		
Address:	ress:	33353 Temecula Pkwy , Suite 104#333		Address:	13000 Oxnard St	ard St.		5, 30,		[272,		ī 6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Temecula, CA 92592			Los Angeles, CA 91335	, CA 91335			-	/801		Analyze 0.5 Si	Analyze u.5 samples. Hold deeper samples.
Phone:	ne:	714-398-6363		Global ID:					e uoc	09) s			
Fax:		951-848-9812		Sampled By:	D. Baysa			0209	ocsrl				
		Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (60.) Arsenic (	Organoc Pet Hydr VOCs (82 PCBs (80	Title 22 l			
-	\$19-0.5		12/22/16	3:00 PM	s	1/80z		×	×				
2	\$19-1.5		12/22/16	3:20 PM	S	1/8oz							
т	519-2.5		12/22/16	3:25 PM	S	1/8oz							
4	520-0.5		12/23/16	9:30 AM	S	1/8oz		×	×				
5	520-1.5		12/23/16	9:40 AM	S	1/802							
9	520-2.5		12/23/16	9:45 AM	S	1/8oz							
	521-0.5'		12/22/16	3:55 PM	S	1/802		×	×				
∞	521-1.5'		12/22/16	5 4:00 PM	S	1/8oz							
6	521-2.5'		12/22/16	5 4:05 PM	S	1/8oz							
10					S					-		TVI O DO DE LO DEL CONTROL DEL CONTROL DE LO DEL CONTROL DEL CONTROL DE LO DEL CONTROL DEL	
		Sig	Signature		Labor A	Print Name			Company	/ Title		Da	Date / Time
$^1$ Re	Relinquished By:	1 By:	2	7	٥	Danny Baysa		CES (	CES Group/ Field Supervisor	d Supervise	ر ا	21/10 10/10	्राह्म ।
1 Re	<sup>1</sup> Received By:	3			240	4-77/CHO 6			ferring hop-	والمراقبين والمراقبين والمراقبين والمراقبين والمراقبين والمراقبين والمراقبين والمراقبين والمراقبين والمراقبة والمراقب والمراقبة والمراقبة والمراقبة والمراقبة والمراقبة والمراقبة والمراقبة والمراقبة والمراقبة والمراقب والمراقبة والمراقبة والمراقب	,	2/24/16	(HO)
<sup>2</sup> Re	<sup>2</sup> Relinquished	I By:				,			ļ				
<sup>2</sup> Re	<sup>2</sup> Received By:			or contract								The second secon	
³Re	<sup>3</sup> Relinquished By:	l By:											
3 Re	<sup>3</sup> Received By:												

	ENTHALF	ENTHALPHY ANALYTICAL, INC.			fiel field	Chain of Custody Record	tody Reco	ord	Int	Around	Time (I	Rush by advan	Turn Around Time (Rush by advanced notice only)
	806 N. Bar	806 N. Batavia St., Orange, CA 92868	(\\ <u>\</u>		Lab No:	ü 00 00 00 00 00 00 00 00 00 0	$\mathbb{C}$	25	Standard:	×	4 Day:		3 Day:
(T	Phone: (714) 771-6900	771-6900 Fax: (714)771-9933			Page:	7	of	12	2 Day:		1 Day:	y:	Same Day:
Billin	Billing: Enthalpy - SoCal	SoCal				Matrix:	<u> </u>	DW = Drinking Water	ater	à	- Josephannes	O S cN = 1	OH HC 3HNO.
c/o ľ	Montrose Env	c/o Montrose Environmental Group	analytic	ytical, inc.			S = Solid SeaW	1 "	L= Liquid = Sea Water	<u>,</u>	ssei valiv 4 =	, Ö	a, f
1 Pa	rk Plaza, Suit	1 Park Plaza, Suite 1000, Irvine, CA 92614			В	SW = Swab W= \	W = Water WP = Wipe		0 = Other		the state of the s		
	CO	<b>CUSTOMER INFORMATION</b>		PRC	PROJECT INF	NFORMATION		-	Analysis Request	equest	*	Test Instru	Test Instructions / Comments
<u>ළ</u> පු	Company:	CES Group		Name:	Grant HS				205				
Repo	Report To:	Skye Green		Number:				()					
Email:	=	sgreen@cesgroup.co		P.O. #:				1180		(A)			
Addr	Address:	33353 Temecula Pkwy , Suite 104#333	104#333	Address:	18605 Erwir	rwin St.		3) 20		[			
		Temecula, CA 92592			Tarzana, CA 91335	91335	<u> </u>	inlta.		/801		Analyze u.5 samples. samples.	samples, nota deeper samples.
Phone:	ne:	714-398-6363		Global ID:					e uoc				
Fax:		951-848-9812		Sampled By:	D. Baysa			9050	nsoo (809				
		Sample ID	Sampling Date	Sampling	Matrix	Container No. / Size	Pres.	Lead (60) Arsenic (	Organoc Pet Hydr VOCs (82	PCBs (80			
7-1	\$22-0.5	And the second s	12/23/16	9:40 AM	s	1/802			×				
7	\$22-1.5	de franche de la companya de la comp	12/23/16	9:45 AM	S	1/802							
ςΩ.	\$22-2.5		12/23/16	9:50 AM	S	1/802							
4	523-0.5		12/23/16	9:50 AM	S	1/8oz		×	×				
ß	523-1.5'		12/23/16	9:55 AM	\$	1/802							
ဖ	523-2.5		12/23/16	10:00 AM	S	1/8oz							
	524-0.5		12/23/16	10:05 AM	S	1/802		×	×				
00	524-1.5		12/23/16	10:10 AM	S	1/802							
6	\$24-2.5		12/23/16	10:18 AM	S	1/80z							
10					5							ano agin di horastra salar shakkana kasakasa kasakasa kasakasa kasakasa kasakasa	ANNEAND IN THE REAL PROPERTY OF THE PROPERTY O
		S	Signature		다	Print Name			Company /	/ Title		1	Date / Time
$^{1}$ Re	Relinquished By:	By: April 6			D	Danny Baysa		CES (	Group/ Field Supervisor	d Supervi	sor	27/12	وباروا
<sup>1</sup> Re	Received By:	)		J. J	Chal	4771CRO	Åen.		free york.			12/24/16	1040.
<sup>2</sup> Re	<sup>2</sup> Relinquished By:	l By:	7						ļ				
<sup>2</sup> Re	<sup>2</sup> Received By:			0.000				T. co. a. c. co.				Market Acceptance of the Control of	
3 Re	<sup>3</sup> Relinquished By:	l By:	•										
3.Re	<sup>3</sup> Received By:			Total Comments of the Comments		Material medicanes of the same	Andreas and Andreas				a de la constanta de la consta		

ENTHAL	ENTHALPHY ANALYTICAL, INC.	1		85	Chain of Custody Record	ody Reco	ord	Tur	Around	Time (R	ush by advan	Turn Around Time (Rush by advanced notice only)	
806 N. B.	806 N. Batavia St., Orange, CA 92868			Lab No:		385856	0	Standard:	×	4 Day:		3 Day:	
Phone: (714) 771-6900	771-6900 Fax: (714)771-9933			Page:	∞	g	12	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	- SoCal					Air DW = I		ater					
c/o Montrose Er	c/o Montrose Environmental Group	- N - N - N - N	analytical, inc.		FL = Food Liquid FS = Food Solid PP = Pure Product S = Solid SeaW	FS = Food S = Solid		L = Líquid = Sea Water		Preservatives: 4 = H,S	<b>Itives:</b> $1 = Na_2 S_2 O_3$ $4 = H_2 SO_4$ $5 = NaOH$	$2 = HCl$ $3 = HNO_3$ 6 = Other	o ရွိ
1 Park Plaza, Sui	1 Park Plaza, Suite 1000, Irvine, CA 92614	S-110-11		S	SW = Swab W = Water WP = Wipe	Vater WP		0 = Other			,		
	CUSTOMER INFORMATION		PR	PROJECT INF	INFORMATION			Analysis Request	aduest		Test Instru	Test Instructions / Comments	nts
Company:	CES Group		Name:	Grant HS				၁၁ဌ		er elden er er er			
Report To:	Skye Green		Number:							toográfiker (K.*-K.*-			
Email:	sgreen@cesgroup.co	, <u></u> .	P.O.#:	: :			11804		(A.				
Address:	33353 Temecula Pkwy , Suite 104#333		Address:	13000 Oxnard St.	ard St.		37 301		[ <b>/</b> \		•	:	
	Temecula, CA 92592		: : :	Los Angeles, CA 91335	, CA 91335		212143		/801		Analyze U.5's	Analyze U.S' samples. Hold deeper samples.	aede.
Phone:	714-398-6363		Global ID:		-			e uod	09) s				
Fax:	951-848-9812		Sampled By:	D. Baysa			0709	ocstl	_	14350			
	Sample ID	Sampling Date	Sampling	Matrix	Container No. / Size	Pres.	Lead (60 Arsenic (	Organoc Pet Hydr VOCs (82	PCBs (80 Title 22 ا	···			
1 \$25-0.5'		12/23/16	10:45 AM	S	1/8oz		×						
2 525-1.5	in the state of th	12/23/16	10:50 AM	S	1/802								
3 525-2.5		12/23/16	10:55 AM	S	1/802								
4   \$26-0.5'		12/23/16	10:40 AM	S	1/802		×	×					
5   \$26-1.5'		12/23/16	10:45 AM	S	1/802								
6 526-2.5'		12/23/16	10:50 AM	S 1	1/802								
7 \$27-0.5'		12/23/16	10:50 AM	S   1	1/802		×	×					
8 527-1.5'		12/23/16	10:55 AM	S   V	1/8oz						!		
9 \$27-2.5		12/23/16	11:00 AM	S	1/8oz						į		
10				S			***************************************		***************************************		Mily the particular to the control of the control o	IIMO PRO STORYBERO O O O O O O O O O O O O O O O O O O	ovintenteethioonin
	Sign	Signature		4	Print Name			Company	/ Title		Di	Date / Time	-
<sup>1</sup> Relinquished By:	d By:   COMPANIA			Q	Danny Baysa		CES (	CES Group/ Field Supervisor	d Supervi	Sor	27/25	2 /10/	
<sup>1</sup> Received By:				7340	PADICAG			T.			2/24/16	1040	
<sup>2</sup> Relinquished By:	d By:				1								
<sup>2</sup> Received By:	ANALOS AN	Š			***************************************		ortocom a se a ma						
<sup>3</sup> Relinquished By:	d By:												
<sup>3</sup> Received By:		٠				·							

ENTHA	ENTHALPHY ANALYTICAL, INC.	AL, INC.				Chain of Custody Record	ody Rec	ord	Turn	Around 1	lime (R	ush by advan	Turn Around Time (Rush by advanced notice only)	
806 N.	806 N. Batavia St., Orange, CA 92868	1 92868			Lab No:		388875	Α.	Standard:	×	4 Day:		3 Day:	
Phone: (71	Phone: (714) 771-6900 Fax: (71	Fax: (714)771-9933			Page:	6	of	12	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	y - SoCal					Matrix: A=Air	vir DW=		ater		•		٠	
c/o Montrose	c/o Montrose Environmental Group		analyt	analytical, inc.		FL = Food Liquid FS = Food Solid PP = Pure Product S = Solid SeaW	FS = Food S = Solid		L = Liquid = Sea Water	2	Preservatives: 4 = H <sub>2</sub> S	itives: $1 = Na_2 S_2 U_3$ $4 = H_2 SO_4$ $5 = NaOH$	Z=HCL 3≃HNU <sub>3</sub> 6=Other	
1 Park Plaza, S	1 Park Plaza, Suite 1000, Irvine, CA 92614	614			NS S.W	SW = Swab W = Water WP = Wipe	/ater WP		0 = Other			TO THE PERSON OF		Section 1
	CUSTOMER INFORMATION	MATION		PRO.	PROJECT INFC	INFORMATION			Analysis Request	quest		Test Instru	Test Instructions / Comments	
Company:	CES Group		Name:		Grant HS				၁၁ဌ	1,				
Report To:	Skye Green		Nun	Number:				3)		±	undra annahadren (Va			
Email:	sgreen@cesgroup.co	03.du	P.O.#:	#:				11808		(A.				
Address:	33353 Temecula Pkwy , Suite 104#333	wy , Suite 104#3		Address: 1	18605 Erwin St.	St.				[		-	-	
	Temecula, CA 92592	2		<u> </u>	Tarzana, CA 91335	91335		oisita		/90T	Leannesta NV-VIII	Analyze 0.5 s	Analyze U.S. samples. Hold deeper samples.	ā
Phone:	714-398-6363		Glo	Global ID:					e uoc	09) s				
Fax:	951-848-9812		San	Sampled By: D	D. Baysa			0709	ocsu					
	Sample ID	. vs	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (60) Arsenic ( Organoc	Pet Hydr VOCs (82 PCBs (80	Title 22 I				
1  528-0.5		1	12/23/16	10:30 AM	S	1/8oz		×		Windlesses-In				
2 528-1.5'			12/23/16	10:35 AM	s	1/80z								
3 528-2.5'		1	12/23/16	10:40 AM	S	1/802			-				1	
4 \$29-0.5		1	12/23/16	10:05 AM	5	1/8oz		× ×						
5 \$29-1.5	:	τ.	12/23/16	10:10 AM	S	1/8oz								
6   529-2.5	j	1	12/23/16	10:15 AM	S	1/802								
7   \$30-0.5		Ţ	12/23/16	10:35 AM	S	1/8oz		× ×		emagan <del>i w</del> s				
8 S30-1.5		1	12/23/16	10:40 AM	S	1/802								
9 530-2.5'		1	12/23/16	10:45 AM	s	1/802								
10					S								нда байна на вене виделения в пределения в пределения в пределения в пределения в пределения в пределения в пр	
		Signature	ture $_{/}$		Р	Print Name			Company / Title	/ Title		1	Date / Time	
<sup>1</sup> Relinquished By:	ed By:	FRUIL!	1411	heristoliki II raq	Da	Danny Baysa		CES G	CES Group/ Field Supervisor	l Supervis	ō	12/10	1040	
<sup>1</sup> Received By:	3y:				1. ÚM.	929/LLA			Fred John J.		- Independent	2/24/12	1040	
<sup>2</sup> Relinquished By:	ed By:		67	·	)									
<sup>2</sup> Received By:	3y:			,		Enthones and Sum as a second sum as a		a de de companyon de la compan	Albertan Brown and a second				e e competentiale de la secuminada de la casa del 18 de estado de la competencia de la competencia de la compe	
<sup>3</sup> Relinquished By:	ed By:													
<sup>3</sup> Received By:	зу:													

ENTHAL	ENTHALPHY ANALYTICAL, INC.				Chain of Custody Record	dy Record		Turn	Around T	ime (Ru	ısh by advan	Turn Around Time (Rush by advanced notice only)	
806 N. Ba	806 N. Batavia St., Orange, CA 92868			Lab No:		386876		Standard:	×	4 Day:		3 Day:	
Phone: (714) 771-6900	771-6900 Fax: (714)771-9933			Page:	10	of	12	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	- SoCal				Matrix: A = Air DW = Drinkin	r DW = Drinking Water FS = Food Solid L = Liau	king Water lid L=Liguid	er iauid	Pres	Preservatives:	$1 = Na_2 S_2 O_3$	2=HCl 3=HNO <sub>3</sub>	
c/o Montrose En 1 Park Plaza, Suit	c/o Montrose Environmental Group 1. Park Plaza, Suite 1000, Irvine, CA 92614		analytical, inc		PP = Pure Product S = Solid SeaW = SW = SW = Water WP = Wipe	S=Solid Sea ater WP=W		Sea Water 0 = Other		4 = H	4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH	6 = Other	
CL	CUSTOMER INFORMATION		PRC	PROJECT INFO	INFORMATION			Analysis Request	uest		Test Instru	Test Instructions / Comments	
Company:	CES Group		Name:	Grant HS				225					***************************************
Report To:	Skye Green		Number:				(5	108					
Email:	sgreen@cesgroup.co		P.O.#:				11808	lio,l9:	(AJ	· · ·			
Address:	33353 Temecula Pkwy , Suite 104#333	104#333	Address:	13000 Oxnard St.	rd St.		3) səl	səip'	「レヤム		- -		
	Temecula, CA 92592			Los Angeles, CA 91335	, CA 91335		sticic	seg si	/801(		Analyze 0.5 s	Analyze u.5 samples. nota aeeper samples.	ī.
Phone:	714-398-6363		Global ID:						09) s				1000000111111
Fax:	951-848-9812		Sampled By:	D. Baysa		10B)		(8097	Metal				
·	Sample ID	Sampling Date	Sampling	Matrix	Container No. / Size	<b>Pre</b> (99) beəJ	Arsenic ( Organoc	Pet Hydr VOCs (82 PCBs (80	1 SS 9111T	index simbourer			
1   \$31-0.5	*** **********************************	12/23/16	5 9:50 AM	S	1/8oz	×	×						
2 \$31-1.5		12/23/16	5 9:55 AM	S	1/80z								
3 531-2.5		12/23/16	5 10:00 AM	S	1/802							<u>.</u>	
4 532-0.5		12/23/16	5 10:20 AM	S	1/802	×	×						
5   \$32-1.5		12/23/16	5 10:25 AM	S	1/802								
6 532-2.5'		12/23/16	5 10:30 AM	S	1/8oz								
7 \$33-0.5'	- Advisor Calendar	12/23/16	5 10:25 AM	S	1/8oz	×	×			$\exists$			
8 533-1.5'		12/23/16	5 10:30 AM	S	1/802								
9 S33-2.5'		12/23/16	5 10:35 AM	S	1/8oz						j		
10				S							Brother Common Billiotes Additional	banali (MMXXXII), pomeno estativi in estati	THE REAL PROPERTY.
	4	Signature		Ь	Print Name			Company / Title	Title		Į.	Date / Time	
<sup>1</sup> Relinquished By:	J By:	で シ 変		ı	Danny Baysa		CES Gr	CES Group/ Field Supervisor	Supervis	'n	P12/16	1040	
<sup>1</sup> Received By				0242	Deri 9 1 L. Cont.			The state of		, m	12/24/16	1040	
<sup>2</sup> Relinquished By:	d By:			1.									
<sup>2</sup> Received By:		omovimo rozooni-sio											
<sup>3</sup> Relinquished By:	d By:					1							
<sup>3</sup> Received By:				2000 mm									

ENTHAI	ENTHALPHY ANALYTICAL, INC.			50	Chain of Custody Record	ody Reco	ַבַּ		Turn	Around 7	Time (Rt	ush by advan	Turn Around Time (Rush by advanced notice only)
806 N. B	806 N. Batavia St., Orange, CA 92868	(		Lab No:	0% 0% 0% 0% 0%	327C	. ^	Sta	Standard:	×	4 Day:		3 Day:
Phone: (714	Phone: (714) 771-6900 Fax: (714)771-9933			Page:	11	of	12	2 D	2 Day:		1 Day:		Same Day:
Billing: Enthalpy - SoCal	- SoCal			88° 3' L	Matrix: A = Air	ir DW = Drinking Water		Water	7	Oro	onite de	Orocopystinos: 1 = Na.S.O.	2 = HCl 3 = HNO.
c/o Montrose E	c/o Montrose Environmental Group	analytic	ytical, inc.		FL = Food Liquid PP = Pure Product	S = Solid SeaW	SeaW =	SeaW = Sea Water	u ater	<u>.</u>	4=4 4=4	4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH	6 = Other
1 Park Plaza, Su	1 Park Plaza, Suite 1000, Irvine, CA 92614			S	SW = Swab W = Water		WP = Wipe	0 = Other	her				
Ö	CUSTOMER INFORMATION		PR(	PROJECT INF	NFORMATION			An	Analysis Request	uest		Test Instru	Test Instructions / Comments
Company:	CES Group		Name:	Grant HS				220					
Report To:	Skye Green		Number:										
Email:	sgreen@cesgroup.co		P.O.#:							(A.			
Address:	33353 Temecula Pkwy , Suite 104#333	4#333	Address:	18605 Erwin St	ı St.				<del></del>	TZtZ		•	:
	Temecula, CA 92592			Tarzana, CA	CA 91335					70B\		Analyze 0.5's	Analyze 0.5' samples. Hold deeper samples.
Phone:	714-398-6363		Global ID:							09) s			•
Fax:	951-848-9812		Sampled By:	D. Baysa					(809)	Netal			
	Sample ID	Sampling Date	Sampling	Matrìx	Container No. / Size	Pres.	(60) bea (5) Sinest	rganoch et Hydro	CB2 (80)	A SS 9lji			
1   \$52-0.5		12/23/16	11:05 AM	s	1/8oz		+	+	1	ı			
2   S52-1.5		12/23/16	11:08 AM	s	1/802								
3 S52-2.5		12/23/16	11:15 AM	s	1/802							:	
4   \$55-0.5'		12/23/16	11:10 AM	S	1/802		×	×			*************		
5   S55-1.5'		12/23/16	, 11:15 AM	S	1/8oz								
6 S55-2.5'		12/23/16	11:20 AM	S	1/80z		···						
7 S65-0.5'		12/23/16	8:40 AM	s	1/80z		×	×					٠
8 S65-1.5'		12/23/16	8:45 AM	\$	1/80z								
9 S65-2.5'		12/23/16	8:49 AM	5	1/802								
10				S			_						AND INDESTRUCTION AND AND ADDRESS OF THE PARTY OF THE PAR
	Si	Signature		Ь	Print Name			Ö	Company /	Title		Dē	Date / Time
<sup>1</sup> Relinquished By:	d By: MYZU				Danny Baysa		CES	S Grou	p/ Field	Group/ Field Supervisor	or	2)/12/5/5/	1040
<sup>1</sup> Received By:	·			040	645VI				1			12/24/1	0×0) 9
<sup>2</sup> Relinquished By:	d By:	7						j			·	-	
<sup>2</sup> Received By:													
<sup>3</sup> Relinquished By:	d By:												
<sup>3</sup> Received By:													

ENTHAL	ENTHALPHY ANALYTICAL, INC.				Chain of Custody Record	ody Recor	á	Turn	Around Ti	ime (Rus	Turn Around Time (Rush by advanced notice only)	N N
806 N. B.	806 N. Batavia St., Orange, CA 92868	(\) \ 		Lab No:		280870	. ~	Standard:	×	4 Day:	3 Day:	
Phone: (714) 771-6900	) 771-6900 Fax: (714)771-9933			Page:	12	oę	12	2 Day:		1 Day:	Same Day:	
Billing: Enthalpy - SoCal	- SoCal					ir DW = Dr	DW = Drinking Water	ter			1	i c
c/o Montrose Er	c/o Montrose Environmental Group	analytic	ytical, inc.		FL = Food Liquid PP = Pure Product	FS = Food Solid L = Liquid S = Solid SeaW = Sea Wat	Solid L = Liquid SeaW = Sea Water	iquid ı Water	Prese	Preservatives: $4 = H_2 S$	1= N4 <sub>2</sub> > <sub>2</sub> O <sub>3</sub>	S S
1 Park Plaza, Sui	1 Park Plaza, Suite 1000, Irvine, CA 92614			SV	SW = Swab W = Water	WP		0 = Other		8		
ŭ	CUSTOMER INFORMATION		PRC	PROJECT INFO	INFORMATION			Analysis Request	uest		Test Instructions / Comments	its
Company:	CES Group		Name:	Grant HS			•	225				
Report To:	Skye Green		Number:				(8	108				
Email:	sgreen@cesgroup.co		P.O. #;	!			11808	el,oil	(A.			
Address:	33353 Temecula Pkwy , Suite 104#333		Address:	13000 Oxnard St.	rd St.		B) səl	səip'	じんヤム			
	Temecula, CA 92592			Los Angeles, CA 91335	CA 91335		sticio	sea si	/80T	وسسويوس	Analyze U.5 samples, Hold deeper samples.	
Phone:	714-398-6363		Global ID:						09) s			
Fax:	951-848-9812		Sampled By:	D. Baysa		(av)	0209	(809)	lst9N			
	Sample ID	Sampling Date	Sampling	Matrix	Container No. / Size	Pres.	0a) baə. ) sinəsn ) sinəsnoc	et Hydr /OCs (82	itle 22 l	5		
1   \$66-0.5		12/23/16	8:25 AM	S	1/80z				-		in the first of th	
2   \$66-1,5'		12/23/16	8:30 AM	s	1/802							
3 S66-2.5		12/23/16	8:34 AM	S	1/802							
4 S7D-0.5		12/23/16	7:45 AM	S	1/80z		×	- N. 20.1 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -				
5 S17D-0.5'		12/23/16	9:35 AM	\$	1/8oz		× × ×					
6 S20D-0.5'		12/23/16	9:35 AM	S	1/802	^	×					
7 Soil Drums		12/23/16	2:30 PM	S	1/802		×	× × ×	×			
8 Drum Water		12/23/16	2:20 PIM	Μ	4/VOAs, 1L		×	× × ×				
6												
10							_				State of the High State (Million) State and a second of the second of th	SERVICE PROPERTY OF THE SERVICE STATES
	Sig	Signature		Ь	Print Name			Company /	Title		Date /	
<sup>1</sup> Relinquished By:	d By: Prout			Dě	Danny Baysa		CES G	CES Group/ Field Supervisor	Superviso		2/he/21	
<sup>1</sup> Received By:		11.00		7.4M	オンバスをつ			th-17			2/24/16 (OA).	
<sup>2</sup> Relinquished By:	d By:	7								······································		
<sup>2</sup> Received By:	.,			•				A CONTRACTOR OF THE PARTY OF TH			arkamatikkin en ikidalikalisalar e ani "e - e - e e gammanmalisan emakir a	
<sup>3</sup> Relinquished By:	d By:											
<sup>3</sup> Received By:	2											

ENTHAL	ENTHALPHY ANALYTICAL, INC.				Chain of Custody Record	dy Reco	ָם.	Tur	Around Ti	ime (Rus	h by advan	Turn Around Time (Rush by advanced notice only)
806 N. Ba	806 N. Batavia St., Orange, CA 92868			Lab No:	60	80870	0	Standard:	×	4 Day:		3 Day:
Phone: (714) 771-6900	771-6900 Fax: (714)771-9933	£83		Page:	1	of	. 3	2 Day:		1 Day:		Same Day:
Billing: Enthalpy - SoCal	- SoCal					Ų	<u> </u>	Water	Drag	Dreservatives:	1 = Na.5.0.	2=HCL3=HNO-
c/o Montrose En	c/o Montrose Environmental Group	0 C	analytical, inc		FL=Food Liquid FS= PP = Pure Product S= ( SW = Swab - W = Water	Solid	و الله	= Liquid Sea Water O = Other		4 = H <sub>2</sub> SO <sub>4</sub>	0 <sub>4</sub> 5 = NaOH	, Ē
rain riaza, Jui	CICTONAEP INEOPAATION		DBC	DROJECT INEC			. H	Analysis Request	Guest		Test Instru	Test Instructions / Comments
5							-		-			
Company:	CES Group		Name:	Grant HS				205		······································		
Report To:	Skye Green		Number:				3)			<del>0</del>		
Email:	sgreen@cesgroup.co		P.O.#:	27016			1180		(∀.			
Address:	33353 Temecula Pkwy , Suite 104#333	104#333	Address:	13000 Oxnard St	rd St.		8) zəl		TZÞZ,			
	Temecula, CA 92592			Los Angeles, CA 91335	CA 91335		sticic		/80T			
Phone:	714-398-6363		Global ID:					e uo	09) s		-	
Fax:	951-848-9812		Sampled By:	D. Baysa			0709	ocark (809)		·-		
	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (60) Arsenic ( Organoci	PCBs (80	Title 22 N	· · · · · · · · · · · · · · · · · · ·		
1 S1/SG1-2.5'	A CONTRACTOR OF THE CONTRACTOR	12/22/16	6 12:25 PM	s	6/VOA, Sleeve			×				
2 S1/SG1-5'		12/22/16	6 12:30 PM	S	6/VOA, Sleeve			×				
3 S1/SG1-10'		12/22/16	6 12:35 PM	S	6/VOA, Sleeve			×				
4 S2/SG2-5'		12/22/16	6 1:35 PM	S	6/VOA, Sleeve			×	×			
5   \$2/\$62-10'		12/22/16	5 1:40 PM	S	6/VOA, Sleeve		-	×	×			
6  53/5G3-5		12/22/16	5 2:35 PM	5	6/VOA, Sleeve			×	· ×			
7  S3/SG3-10		12/22/16	6 2:40 PM	S	6/VOA, Sleeve			×	×			
8 S50/SG4-5		12/22/16	6 11:05 AM	S	6/VOA, Sleeve			× ×	×			
9   \$50/\$64-10		12/22/16	6 11:10 AM	S	6/VOA, Sleeve			× ×	×			
10				2							od od ostavnika se	
		Signature		Р	Print Name			Company	/ Title		Da	Date / Time
<sup>1</sup> Relinquished By:	I By: DOW		***************************************	D	Danny Baysa		CES G	Group/ Field	Supervisor		2)74(2)	(2/c)
<sup>1</sup> Received By:	*			240	Droviely.	A September 1.		A A			2/24/16	9+0)
<sup>2</sup> Relinquished By:	i By:				Mareney							
<sup>2</sup> Received By:					en e			allowed months are about the	a a a a a a a a a a a a a a a a a a a			de la companya de la
<sup>3</sup> Relinquished By:	i By:											
<sup>3</sup> Received By:												

ENTHAL	ENTHALPHY ANALYTICAL, INC.				Chain of Custody Record	dy Reco	Þ	- Andrews	Turn	Around	Time (R	ush by advar	Turn Around Time (Rush by advanced notice only)
		T			リックリウヤ	700		1					
806 N. B	806 N. Batavia St., Orange, CA 92868			Lab No:		2		Stan	Standard:	×	4 Day:		3 Day:
Phone: (714) 771-6900	) 771-6900 Fax: (714)771-9933			Page:	2	of	က	2 Day:	;;		1 Day:		Same Day:
Billing: Enthalpy - SoCal	- SoCal				Matrix: A = Air	r DW = [		/ater		,			
c/o Montrose Er	c/o Montrose Environmental Group	analytica	ytical, inc.	<u>a</u>	FL = Food Liquid FS = Food Solid PP = Pure Product S = Solid SeaW	FS = Food S = Solid		L = Liquid = Sea Watr	ų: L	9.	Preservatives: 4 = H.S	ITINES: $1 = Ma_2 S_2 U_3$ $4 = H_3 SO_4$ $S = NaOH$	Z=HCI 3=HNU3   6=Other
1 Park Plaza, Sui	1 Park Plaza, Suite 1000, Irvine, CA 92614			Ś	SW = Swab W = Wa			0 = Other	er			- + - 7.	
J	CUSTOMER INFORMATION		PRC	PROJECT INFO	NFORMATION			Anal	Analysis Request	uest		Test Instru	Test Instructions / Comments
Company:	CES Group		Name:	Grant HS				225			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Report To:	Skye Green		Number:								·		
Email:	sgreen@cesgroup.co		P.O. #:	27016						(A	<del>γιων-ο-τι</del>		
Address:	33353 Temecula Pkwy , Suite 104#333		Address:	13000 Oxnard St.	rd St.					T/7/			
	Temecula, CA 92592			Los Angeles,	. CA 91335					108\			
Phone:	714-398-6363		Global ID:						0+-2+-2	09) s			
Fax:	951-848-9812		Sampled By:	D. Baysa			(0209			letəN			
	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (60:	Organoci Pet Hydr	VOCs (82	Title 22 /			
1  559-5'		12/22/16	9:10 AM	S	6/VOA, Sleeve			×	×	×			
2 S59-10		12/22/16	9:15 AM	S	6/VOA, Sleeve			×	×	×			
3 S60-51		12/22/16	9:30 AM	S	6/VOA, Sleeve			×	×	×			
4   \$60-10'		12/22/16	9:35 AM	S	6/VOA, Sleeve		~~~~	×	×	×			
5   S61-51		12/22/16	8:50 AM	S	6/VOA, Sleeve		:	×	×	×			
6 S61-10'		12/22/16	9:00 AM	S	6/VOA, Sleeve			×	×	×			
7   \$62-5'		12/22/16	8:20 AM	S	6/VOA, Sleeve			×	×	×			
8 S62-10'		12/22/16	8:30 AM	5	6/VOA, Sleeve			×	×	×			
9   \$63-5		12/22/16	10:35 AM	S	6/VOA, Sleeve			×	×	×			
10 S63-10'		12/22/16	10:40 AM	\$	6/VOA, Sleeve		- Credelle	×	×	×			
	Sign	Signature		<b>c</b> .	Print Name			Com	Company /	′ Title		ŭ,	Date / Time
$^{1}$ Relinquished By:	d By: Drough			Dč	Danny Baysa		CES	Group.	/ Field	CES Group/ Field Supervisor	or	10/24/16	layo
<sup>1</sup> Received By:	)			CAND	194916 Lift				- Frydag	***************************************		2/24/16	J. H. H.
<sup>2</sup> Relinquished By:	d By:											`	
<sup>2</sup> Received By:					CONTROL MEDITAL PROPERTY CONTROL OF THE CONTROL OF					The state of the s		min in the second	
<sup>3</sup> Relinquished By:	d By:												
<sup>3</sup> Received By:													

ENTHAL	ENTHALPHY ANALYTICAL, INC.	À			Chain of Custody Record	ody Recoi	Ţ	Turn	Around T	ime (Rus	h by advanc	Turn Around Time (Rush by advanced notice only)
806 N. Bz	806 N. Batavia St., Orange, CA 92868			Lab No:	o: 280	2872		Standard:	×	4 Day:	m	3 Day:
Phone: (714) 771-6900	771-6900 Fax: (714)771-9933			Page:	ന	of	3	2 Day:		1 Day:	S	Same Day:
Billing: Enthalpy - SoCal	- SoCal		" (		Matrix: A = △			ter	,		0	•
c/o Montrose En	c/o Montrose Environmental Group	ana lytic	ytical, inc	! h	FL = Food Liquid PP = Pure Product	FS = Food Solid S = Solid SeaW		L = Liquid = Sea Water	Pres	Preservatives: 1 $^{\circ}$	= Na <sub>2</sub> > <sub>2</sub> O <sub>3</sub> 5 = NaOH	$2 = HCI$ $3 = HNO_3$ 6 = Other
1 Park Plaza, Suit	1 Park Plaza, Suite 1000, Irvine, CA 92614			S	SW = Swab W = Water	WΡ	WP = Wipe O	0 = Other		·	-	
J	CUSTOMER INFORMATION		PR	PROJECT INF	NFORMATION			Analysis Request	quest		Test Instruc	Test Instructions / Comments
Company:	CES Group		Name:	Grant HS				2cc				
Report To:	Skye Green		Number:				(8	108				
Email:	sgreen@cesgroup.co		P.O.#:	27016			180	lio,l <del>9</del>	(A.			
Address:	33353 Temecula Pkwy , Suite 104#333		Address:	13000 Oxnard St.	ard St.		8) səl	səip'	T/b/	· · · · · · · · · · · · · · · · · · ·		
	Temecula, CA 92592			Los Angeles, CA 91335	, CA 91335		sticic	sea s	108/	Menidiaterat		
Phone:	714-398-6363		Global ID:		:				09) s	der Seelington		
Fax:	951-848-9812		Sampled By:	D. Baysa		(001	(0709	(809)				
	Sample ID	Sampling Date	Sampling	Matrîx	Container No. / Size	Pres.	Lead (60: Arsenic ( Organoci	Pet Hydr VOCs (82 PCBs (80	A SS əltiT			
1 S64-5'		12/22/16	10:15 AM	s	6/VOA, Sleeve			×	×			
2 S64-10'	Was a minute.	12/22/16	10:25 AM	S	6/VOA, Sleeve			x	×			·
8				S								
4				S.								
5				S								
9				S						шолжа		
7				S				Company Color (Color Color Col				
8				S								
6				S	-							
10				S							odrace of State Comment Scale of States	WOODLAND WATER BEHAVIOR OF THE WATER BEAUTIFUL OF THE WATER BEAUTIFU
	Signs	Signature			Print Name			Company,	/ Title		Date	<b>\</b> I
<sup>1</sup> Relinquished By:	1 By: (3/201/10)			Q	Danny Baysa		CES GI	CES Group/ Field Supervisor	Superviso	or (2)	91/40	1970
<sup>1</sup> Received By:				THEN 4	DAYNILLING.			14		\	2/24/16	1040
<sup>2</sup> Relinquished By:	1 By:							į				
<sup>2</sup> Received By:												te complete per la
<sup>3</sup> Relinquished By:	l By:											
<sup>3</sup> Received By:												



## SAMPLE ACCEPTANCE CHECKLIST

Section 1 Client: CES GROUP Project: GPANT	10		
Client: CES GROUP Project: GRANT I			
Date Received: (2 24 (6) Sampler's Name Present:			
Sample(s) received in a cooler? (Yes) How many? $\frac{3}{\cancel{3}}$ No (skip section 2) Sample Temp (°C) from each cooler: #1: $\cancel{1.7}$ #2: $\cancel{3.4}$ #3: $\cancel{1.3}$ °C	mple Tem	np (°C):_	
Sample Temp (°C) from each cooler: #1: 1.1 #2: 3,4 #3: 1.3 (Acceptance range is 0 to 6°C or, for samples collected the same day as sample receipt, arrival on ice; For Microbiolog collected the same day as sample receipt, arrival on ice)			
Shipping Information:	·····		
Section 2			
Was the cooler packed with: Ice Ice Packs Bubble Wrap	_Styrofoa	am	
Paper None Other  Cooler Temp (°C): #1: 0, 1° = #2: 1, 2° = #3: 0 - 8° =			
Cooler Temp (°C): $\#1: U, 1° = \#2: 1.2° = \#3: 0 - 8° = $	_#4:	<del></del>	
Section 3	YES	NO	N/A
Was a COC received?	V		
Were sample IDs present?	V		
Were sampling dates & times present?	V		
Was a relinquished signature present?	V		
Were the tests required clearly indicated?	V		
Were custody seals present?		$\nu_{-}$	
If Yes – were they intact?			V
Were all samples sealed in plastic bags?	1/		
Did all samples arrive intact? If no, indicate below.	V		
Did all bottle labels agree with COC? (ID, dates and times)	V		
Were correct containers used for the tests required?	V		
Was a sufficient amount of sample sent for tests indicated?	V		
Was there headspace in VOA vials?		V	
Were the containers labeled with correct preservatives?	1/		
Section 4 Explanations/Comments: RECEIVED 1 AMBER FOR DRUM WAS	TER'S	SAMP	ile.
Section 5			1 , 1.
For discrepancies, how was the Project Manager notified? (erbal) PM Initials: $\overline{\mathbb{W}}$	Date	e/Time_[2	127116
Project Manager's response:	on):	./	
Man Variable Control of the control			
Completed By: Date: 12 24 16	·		

ENTHALF	ENTHALPHY ANALYTICAL, INC.				Chain of Custody Record	ody Recor	-63	Turn Ar	ound Tin	Turn Around Time (Rush by advanced notice only)	anced notice	only)
931 W. Ba.	931 W. Barkley Ave, Orange, CA 92868			Lab No:	•			Standard:	>	4 Day:	3 Day:	
Phone: (714) 771-6900	771-6900 Fax: (714)771-9933			Page:	gallery and the same of the sa	of		2 Day:		1 Day:	Same Day:	
Billing: Enthalpy - SoCal	SoCal			NAME OF THE PARTY	Matrix: A = Air	vir DW = Dri		er			7	Ç.
c/o Montrose En	c/o Montrose Environmental Group	analytic	tical, inc		FL = Food Liquid FS = Food Solid PP = Pure Product S = Solid SeaW	FS = Food S = Solid		L = Liquid = Sea Water	Preser	Preservatives: $1 = Na_2 S_2 U_3$ $4 = H_2 SO_4$ $5 = NaOH$	2 = HU 3 6 = Other	= HIVO3
1 Park Plaza, Suit	1 Park Plaza, Suite 1000, Irvine, CA 92614			NS	SW = Swab W = Water WP = Wipe	/ater WP=		0 = Other				
no L	CUSTOMER INFORMATION		PROJECT		INFORMATION			Analysis Request	st	Test In	Test Instructions / Comments	nents
Company:	See Green	Name:		GRANT	нs.					,		
Report To:		Nur	Number:				.0,			0		200
Email:		P.O. #;		270-	2	/y/ 	1A				4	1212 578 58 6
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	Sample ID	Sampling Date	Time	Matrix	No. / Size	Pres.						
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<sup>1</sup> Received By:	Same III		Gerral		Solanda		印在			12/346	0×1/0	/
<sup>2</sup> Relinquished By:	l By:			,								
<sup>2</sup> Received By:												
<sup>3</sup> Relinquished By:	l By:											,
<sup>3</sup> Received By:												



## SAMPLE ACCEPTANCE CHECKLIST

<u> </u>		
	p (°C):	
_#4:		_ for samples
_ Styrofoa	m 	٠
_#4:		
YES	NO	N/A
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<i>i</i>		
	1	Culery.
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	mple Tem #4: gy sample 0 t  YES  Value  Date	Yes No mple Temp (°C):_ #4: gy sample 0 to 10°C or,  Styrofoam #4:  YES NO

Enthalpy Analytical, a subsidiary of Montrose Environmental Group ,Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209

www.enthalpy.com/socal

Completed By: Thomash Citamoh

Sample Acceptance Checklist - Rev 2.2, 11/2/2016

From: Skye Green <sgreen@cesgroup.co>
Sent: Friday, January 06, 2017 12:57 PM
To: Ranjit Clarke; 'Danny Baysa'

Subject: RE: Grant HS (12/23/16) - Enthalpy Analytical Final Report #385825

#### Ranjit,

Please run S8-0.5' and S9-0.5' for STLC and deeper samples for lead (S8-1.5' and S9-1.5'). Normal turn around time. Thanks,

### Skye Green, P.E.

CES Group, Inc. CES/Novacom/ERG 951-808-8585 office 714-398-6363 mobile 951-848-9812 fax sgreen@cesgroup.co www.cesgroup.co



**From:** Ranjit Clarke [mailto:Ranjit.Clarke@enthalpy.com]

Sent: Thursday, January 5, 2017 4:29 PM

To: sgreen@cesgroup.co; Danny Baysa <dbaysa@cesgroup.co>

Subject: Grant HS (12/23/16) - Enthalpy Analytical Final Report #385825

Hi Skye Green,

Attached is your final report #385825.

Please let me know if you require STLC and/or TCLP Lead on the following samples:

\$8-0.5' and \$9-0.5'

Thank you.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

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From: Skye Green <sgreen@cesgroup.co>
Sent: Friday, January 06, 2017 1:29 PM

To: Ranjit Clarke

Subject: RE: Grant HS (12/23/16) - Enthalpy Analytical Final Report #385825

Please add the TCLP analysis for S8-0.5' and S9-0.5' also. Thanks,

# Skye Green, P.E.

CES Group, Inc. CES/Novacom/ERG 951-808-8585 office 714-398-6363 mobile 951-848-9812 fax sgreen@cesgroup.co www.cesgroup.co



From: Ranjit Clarke [mailto:Ranjit.Clarke@enthalpy.com]

Sent: Friday, January 6, 2017 12:58 PM

**To:** Skye Green <sgreen@cesgroup.co>; 'Danny Baysa' <dbaysa@cesgroup.co> **Subject:** RE: Grant HS (12/23/16) - Enthalpy Analytical Final Report #385825

Will do.



#### Ranjit Clarke

Senior Project Manager

O: 714-771-9906 / M: 657-274-9864 / F: 714-538-1209

Ranjit.Clarke@enthalpy.com

From: Skye Green [mailto:sgreen@cesgroup.co]

Sent: Friday, January 06, 2017 12:57 PM

To: Ranjit Clarke < Ranjit.Clarke@enthalpy.com >; 'Danny Baysa' < dbaysa@cesgroup.co >

Subject: RE: Grant HS (12/23/16) - Enthalpy Analytical Final Report #385825

### Ranjit,

Please run S8-0.5' and S9-0.5' for STLC and deeper samples for lead (S8-1.5' and S9-1.5'). Normal turn around time. Thanks,

## Skye Green, P.E.

From: Skye Green <sgreen@cesgroup.co>
Sent: Friday, January 20, 2017 8:52 AM

To: Ranjit Clarke

**Subject:** Grant HS Lead results

### Ranjit,

For Grant HS, can you run S9-1.5' for lead STLC and run S9-2.5' for lead? Thanks,

## Skye Green, P.E.

CES Group, Inc. CES/Novacom/ERG 951-808-8585 office 714-398-6363 mobile 951-848-9812 fax sgreen@cesgroup.co www.cesgroup.co



From: Skye Green <sgreen@cesgroup.co>
Sent: Friday, January 27, 2017 9:37 AM

To: Ranjit Clarke

**Subject:** RE: Grant HS (12/23/16) - Enthalpy Analytical Final Report #385825 - Supplemental Report 2

Thank you. Can you run the STLC on sample S9-2.5' for Grant HS?

## Skye Green, P.E.

CES Group, Inc. CES/Novacom/ERG 951-808-8585 office 714-398-6363 mobile 951-848-9812 fax sgreen@cesgroup.co www.cesgroup.co



From: Ranjit Clarke [mailto:Ranjit.Clarke@enthalpy.com]

Sent: Thursday, January 26, 2017 5:22 PM

To: sgreen@cesgroup.co; Danny Baysa <dbaysa@cesgroup.co>

Subject: Grant HS (12/23/16) - Enthalpy Analytical Final Report #385825 - Supplemental Report 2

Hi Skye Green,

Attached is your final report #385825. Supplemental Report 2.

Thank you.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

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From: Skye Green <sgreen@cesgroup.co>
Sent: Thursday, February 02, 2017 5:26 PM

To: Ranjit Clarke

**Subject:** RE: Enthalpy Analytical Final Report #385825

#### Ranjit,

For the Grant site, please run S9-2.5' for TCLP. Normal TAT is fine. Thank you,

### Skye Green, P.E.

CES Group, Inc. CES/Novacom/ERG 951-808-8585 office 714-398-6363 mobile 951-848-9812 fax sgreen@cesgroup.co www.cesgroup.co



**From:** Ranjit Clarke [mailto:Ranjit.Clarke@enthalpy.com]

Sent: Thursday, February 2, 2017 5:14 PM

To: sgreen@cesgroup.co; Danny Baysa <dbaysa@cesgroup.co>

Subject: Enthalpy Analytical Final Report #385825

Hi Skye Green,

Attached is your final report #385825.

Thank you.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

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# **Enthalpy Analytical, Inc.**

Formerly Associated Labs 806 N. Batavia - Orange, CA 92868 Tel: (714)771-6900 Fax: (714)538-1209 www.associatedlabs.com info-sc@enthalpy.com

Client: CES Group, Inc.

Address: 33353 Temecula Pkwy.

Suite 104 #333

Temecula, CA 92592

Attn: Skye Green

Comments: Grant HS

PO# 27016

13000 Oxnard St., Los Angeles, CA 91335

Supplemental Report 2



Lab Request: 386689
Report Date: 02/07/2017
Date Received: 01/18/2017

Client ID: 15581

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Client Sample ID
S67-0.5'
S67-1.5'
S67-2.5'
S68-0.5'
S68-1.5'
S68-2.5'
S69-0.5'
S69-1.5'
S69-2.5'
S70-0.5'
S70-1.5'
S70-2.5'

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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Client: CES Group, Inc. Collector: Client Matrix: Solid Sampled: 01/16/2017 13:45 Site: Sample #: 386689-001 Client Sample #: S67-0.5' Sample Type: **Analyte** Result DF MDL **RDL Units Prepared** Analyzed By **Notes** Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1174600 50.2 0.32 0.5 01/24/17 01/24/17 Lead 1 mg/Kg JN Method: EPA 6010B NELAC Prep Method: STLC QCBatchID: QC1174909 3.02 0.12 02/01/17 02/01/17 Lead 10 0.15 mg/L JN Method: EPA 6020 NELAC Prep Method: EPA 3050B QCBatchID: QC1174601 Arsenic 5.04 10 0.2 3 mg/Kg 01/24/17 01/25/17 KLN Method: EPA 8081A NELAC Prep Method: EPA 3545 QCBatchID: QC1174505 4,4'-DDD 01/20/17 8.5 1 0.67 5 ug/Kg 01/23/17 LW 4,4'-DDE 0.57 5 01/23/17 15 1 ug/Kg 01/20/17 LW 4,4'-DDT 79 1 0.95 5 ug/Kg 01/20/17 01/23/17 LW 0.2 a-BHC ND 1 5 ug/Kg 01/20/17 01/23/17 LW Aldrin ND 1 0.34 5 ug/Kg 01/20/17 01/23/17 LW b-BHC ND 5 1 1.2 ug/Kg 01/20/17 01/23/17 LW ug/Kg Chlordane (technical) 150 1 12 50 01/20/17 01/23/17 LW d-BHC ND 0.45 5 ug/Kg 01/20/17 01/23/17 LW Dieldrin ND 1 0.63 5 01/20/17 01/23/17 LW ug/Kg Endosulfan I ND 0.28 5 ug/Kg 01/20/17 01/23/17 LW 5 Endosulfan II ND 0.8 01/20/17 01/23/17 LW 1 ug/Kg Endosulfan sulfate ND 1.7 5 01/20/17 01/23/17 LW ug/Kg 5 Endrin ND 0.62 ug/Kg 01/20/17 01/23/17 LW ND 5 Endrin aldehvde 1 0.9 ug/Kg 01/20/17 01/23/17 LW 5 **Endrin Ketone** ND 1 1.2 ug/Kg 01/20/17 01/23/17 LW Heptachlor ND 1 0.44 5 ug/Kg 01/20/17 01/23/17 LW 0.27 ND 1 5 01/23/17 Heptachlor epoxide ug/Kg 01/20/17 LW Lindane (Gamma-BHC) ND 1 0.3 5 ug/Kg 01/20/17 01/23/17 LW ND Methoxychlor 1 5.2 10 ug/Kg 01/20/17 01/23/17 LW ND 12 Toxaphene 100 ug/Kg 01/20/17 01/23/17 LW Surrogate % Recovery Limits Notes Decachlorobiphenyl DCB (SUR) 112 50-150 Tetrachloro-m-xylene TCMX (SUR) 107 50-150 Matrix: Solid Client: CES Group, Inc. Collector: Client Site: Sampled: 01/16/2017 13:50

Sample #: 386689-002	Client Sample #: S67-1.5'				Samp	le Type:	
Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:						QCBatchID:
N/A	N/A	1					
Method: EPA 6010B NELAC	Prep Method: EPA 3050B						QCBatchID: QC1174765
Lead	39.1	1	0.32	0.5	mg/Kg	01/27/17	01/30/17 JN

Matrix: S	Solid	Client:	CES Grou	p, Inc.			Co	llector: Client		
Sampled: (	01/16/2017 13:55	Site:								
Sample #:	<u>386689-003</u>	Client Sample #:	S67-2.5'				Sampl	е Туре:		
Analyte		ı	Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:		Prep Method:							QCBatchID:	



Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 01/16/2017 14:00 Site:

Sample #: 386689-004 Sample Type: Client Sample #: S68-0.5'

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	
Method: EPA 6010B NELAC	Prep Method:	EPA 1311/30	10A					QCBatchl	
Lead		0.061	1	0.004	0.05	mg/L	01/31/17	02/01/17	JN
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatchl	D: QC1174600
Lead		126	1	0.32	0.5	mg/Kg	01/24/17	01/24/17	JN
Method: EPA 6010B NELAC	Prep Method:	STLC						QCBatchl	D: QC1174909
Lead		7.44	10	0.12	0.15	mg/L	02/01/17	02/01/17	JN
Method: EPA 6020 NELAC	Prep Method:	EPA 3050B						QCBatchl	D: QC1174601
Arsenic		5.79	10	0.2	3	mg/Kg	01/24/17	01/25/17	KLN
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatchl	D: QC1174505
4,4'-DDD		ND	1	0.67	5	ug/Kg	01/20/17	01/23/17	LW
4,4'-DDE		39	1	0.57	5	ug/Kg	01/20/17	01/23/17	LW
4,4'-DDT		28	1	0.95	5	ug/Kg	01/20/17	01/23/17	LW
a-BHC		ND	1	0.2	5	ug/Kg	01/20/17	01/23/17	LW
Aldrin		ND	1	0.34	5	ug/Kg	01/20/17	01/23/17	LW
b-BHC		ND	1	1.2	5	ug/Kg	01/20/17	01/23/17	LW
Chlordane (technical)		270	1	12	50	ug/Kg	01/20/17	01/23/17	LW
d-BHC		ND	1	0.45	5	ug/Kg	01/20/17	01/23/17	LW
Dieldrin		20	1	0.63	5	ug/Kg	01/20/17	01/23/17	LW
Endosulfan I		ND	1	0.28	5	ug/Kg	01/20/17	01/23/17	LW
Endosulfan II		ND	1	8.0	5	ug/Kg	01/20/17	01/23/17	LW
Endosulfan sulfate		ND	1	1.7	5	ug/Kg	01/20/17	01/23/17	LW
Endrin		ND	1	0.62	5	ug/Kg	01/20/17	01/23/17	LW
Endrin aldehyde		ND	1	0.9	5	ug/Kg	01/20/17	01/23/17	LW
Endrin Ketone		ND	1	1.2	5	ug/Kg	01/20/17	01/23/17	LW
Heptachlor		ND	1	0.44	5	ug/Kg	01/20/17	01/23/17	LW
Heptachlor epoxide		6.5	1	0.27	5	ug/Kg	01/20/17	01/23/17	LW
Lindane (Gamma-BHC)		ND	1	0.3	5	ug/Kg	01/20/17	01/23/17	LW
Methoxychlor		ND	1	5.2	10	ug/Kg	01/20/17	01/23/17	LW
Toxaphene		ND	1	12	100	ug/Kg	01/20/17	01/23/17	LW
<u>Surrogate</u>		<u>% R</u>	ecovery	<u>.</u> .	<u>Limits</u>	<u>Notes</u>			
Decachlorobiphenyl DCB (S	UR)	1	16		50-150				
Tetrachloro-m-xylene TCMX	(SUR)	1	04		50-150				

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 01/16/2017 14:05

Sample #: 386689-005 Client Sample #: S68-1.5' Sample Type:

Analyte	Res	sult DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:						QCBatchID:
N/A	N	<b>/A</b> 1					
Method: EPA 6010B NELAC	Prep Method: EPA 3	050B					QCBatchID: QC1174765
Lead	10	.9 1	0.32	0.5	mg/Kg	01/27/17	01/30/17 JN

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 01/16/2017 14:10 Site:

Sample #: 386689-006 Client Sample #: S68-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By	Notes
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 01/16/2017 14:05 Site:

Sample #: 386689-007 Client Sample #: S69-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	Ву	Notes
Method: EPA 6010B NELAC Pr	rep Method:	EPA 3050B						QCBatchl	D: Q0	C1174600
Lead		54.4	1	0.32	0.5	mg/Kg	01/24/17	01/24/17	JN	
Method: EPA 6010B NELAC P	rep Method:	STLC						QCBatchl	D: Q0	C1174909
Lead		2.97	10	0.12	0.15	mg/L	02/01/17	02/01/17	JN	
Method: EPA 6020 NELAC PI	rep Method:	EPA 3050B						QCBatchl	D: Q0	C1174601
Arsenic		20.0	10	0.2	3	mg/Kg	01/24/17	01/25/17	KLN	
Method: EPA 8081A NELAC P	rep Method:	EPA 3545						QCBatchl	D: Q0	C1174505
4,4'-DDD		ND	1	0.67	5	ug/Kg	01/20/17	01/23/17	LW	
4,4'-DDE		19	1	0.57	5	ug/Kg	01/20/17	01/23/17	LW	
4,4'-DDT		6.4	1	0.95	5	ug/Kg	01/20/17	01/23/17	LW	
a-BHC		ND	1	0.2	5	ug/Kg	01/20/17	01/23/17	LW	
Aldrin		ND	1	0.34	5	ug/Kg	01/20/17	01/23/17	LW	
b-BHC		ND	1	1.2	5	ug/Kg	01/20/17	01/23/17	LW	
Chlordane (technical)		ND	1	12	50	ug/Kg	01/20/17	01/23/17	LW	
d-BHC		ND	1	0.45	5	ug/Kg	01/20/17	01/23/17	LW	
Dieldrin		2.9 J	1	0.63	5	ug/Kg	01/20/17	01/23/17	LW	J
Endosulfan I		ND	1	0.28	5	ug/Kg	01/20/17	01/23/17	LW	
Endosulfan II		ND	1	8.0	5	ug/Kg	01/20/17	01/23/17	LW	
Endosulfan sulfate		ND	1	1.7	5	ug/Kg	01/20/17	01/23/17	LW	
Endrin		ND	1	0.62	5	ug/Kg	01/20/17	01/23/17	LW	
Endrin aldehyde		ND	1	0.9	5	ug/Kg	01/20/17	01/23/17	LW	
Endrin Ketone		ND	1	1.2	5	ug/Kg	01/20/17	01/23/17	LW	
Heptachlor		ND	1	0.44	5	ug/Kg	01/20/17	01/23/17	LW	
Heptachlor epoxide		ND	1	0.27	5	ug/Kg	01/20/17	01/23/17	LW	
Lindane (Gamma-BHC)		ND	1	0.3	5	ug/Kg	01/20/17	01/23/17	LW	
Methoxychlor		ND	1	5.2	10	ug/Kg	01/20/17	01/23/17	LW	
Toxaphene		ND	1	12	100	ug/Kg	01/20/17	01/23/17	LW	
<u>Surrogate</u>		<u>% Re</u>	covery		<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (SUR)		9	8		50-150					
Tetrachloro-m-xylene TCMX (SUR)	)	10	04		50-150					

Client: CES Group, Inc. Matrix: Solid Collector: Client

Site: Sampled: 01/16/2017 14:10

Sample #: 386689-008 Client Sample #: S69-1.5' Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:						QCBatchID:
N/A	N/A	1					
Method: EPA 6010B NELAC	Prep Method: EPA 3050B						QCBatchID: QC1174765
Lead	27.5	1	0.32	0.5	mg/Kg	01/27/17	01/30/17 JN
Method: EPA 6020 NELAC	Prep Method: EPA 3050B						QCBatchID: QC1174829
Arsenic	12.8	10	0.2	3	mg/Kg	01/30/17	02/01/17 KLN

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 01/16/2017 14:15 Site:

Sample #: 386689-009 Client Sample #: S69-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyze	d By Notes
Method: EPA 6020 NELAC	Prep Method:	EPA 3050B						QCBatch	ID: QC1175022
Arsenic		22.9	10	0.2	3	mg/Kg	02/03/17	02/03/17	KLN



Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 01/16/2017 14:15 Site:

Sample #: 386689-010 Client Sample #: S70-0.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed	d By	Notes
Method: EPA 6010B NELAC	Prep Method:	EPA 3050B						QCBatch	ID: Q	C1174600
Lead		22.0	1	0.32	0.5	mg/Kg	01/24/17	01/24/17	JN	
Method: EPA 6020 NELAC	Prep Method:	EPA 3050B						QCBatch	ID: Q	C1174601
Arsenic		5.06	10	0.2	3	mg/Kg	01/24/17	01/25/17	KLN	
Method: EPA 8081A NELAC	Prep Method:	EPA 3545						QCBatch	D: Q	C1174505
4,4'-DDD		16	1	0.67	5	ug/Kg	01/20/17	01/23/17	LW	
4,4'-DDE		10	1	0.57	5	ug/Kg	01/20/17	01/23/17	LW	
4,4'-DDT		4.1 J	1	0.95	5	ug/Kg	01/20/17	01/23/17	LW	J
a-BHC		ND	1	0.2	5	ug/Kg	01/20/17	01/23/17	LW	
Aldrin		ND	1	0.34	5	ug/Kg	01/20/17	01/23/17	LW	
b-BHC		ND	1	1.2	5	ug/Kg	01/20/17	01/23/17	LW	
Chlordane (technical)		93	1	12	50	ug/Kg	01/20/17	01/23/17	LW	
d-BHC		ND	1	0.45	5	ug/Kg	01/20/17	01/23/17	LW	
Dieldrin		ND	1	0.63	5	ug/Kg	01/20/17	01/23/17	LW	
Endosulfan I		ND	1	0.28	5	ug/Kg	01/20/17	01/23/17	LW	
Endosulfan II		ND	1	0.8	5	ug/Kg	01/20/17	01/23/17	LW	
Endosulfan sulfate		ND	1	1.7	5	ug/Kg	01/20/17	01/23/17	LW	
Endrin		ND	1	0.62	5	ug/Kg	01/20/17	01/23/17	LW	
Endrin aldehyde		ND	1	0.9	5	ug/Kg	01/20/17	01/23/17	LW	
Endrin Ketone		ND	1	1.2	5	ug/Kg	01/20/17	01/23/17	LW	
Heptachlor		ND	1	0.44	5	ug/Kg	01/20/17	01/23/17	LW	
Heptachlor epoxide		ND	1	0.27	5	ug/Kg	01/20/17	01/23/17	LW	
Lindane (Gamma-BHC)		ND	1	0.3	5	ug/Kg	01/20/17	01/23/17	LW	
Methoxychlor		ND	1	5.2	10	ug/Kg	01/20/17	01/23/17	LW	
Toxaphene		ND	1	12	100	ug/Kg	01/20/17	01/23/17	LW	
<u>Surrogate</u>		<u>% R</u>	ecovery		<u>Limits</u>	<u>Notes</u>				
Decachlorobiphenyl DCB (S	UR)		78		50-150					
Tetrachloro-m-xylene TCMX	((SUR)	:	91		50-150					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 01/16/2017 14:20 Site:

Sample #: 386689-011 Client Sample #: S70-1.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method:	Prep Method:							QCBatchID:
N/A		N/A	1					

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 01/16/2017 14:25 Site:

Sample #: 386689-012 Client Sample #: S70-2.5' Sample Type:

Analyte		Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes	
Method:	Prep Method:							QCBatchID:	
N/A		N/A	1						

QCBatchID:QC1174505Analyst:nhernandezMethod:EPA 8081AMatrix:SolidAnalyzed:01/20/2017Instrument:SVOA-GC (group)

	Blar	nk Summar	у			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1174505MB1						•
4,4'-DDD	ND	ug/Kg	0.67	5		
4,4'-DDE	ND	ug/Kg	0.57	5		
4,4'-DDT	ND	ug/Kg	0.95	5		
a-BHC	ND	ug/Kg	0.2	5		
Aldrin	ND	ug/Kg	0.34	5		
b-BHC	ND	ug/Kg	1.2	5		
Chlordane (technical)	ND	ug/Kg	12	50		
d-BHC	ND	ug/Kg	0.45	5		
Dieldrin	ND	ug/Kg	0.63	5		
Endosulfan I	ND	ug/Kg	0.28	5		
Endosulfan II	ND	ug/Kg	0.8	5		
Endosulfan sulfate	ND	ug/Kg	1.7	5		
Endrin	ND	ug/Kg	0.62	5		
Endrin aldehyde	ND	ug/Kg	0.9	5		
Endrin Ketone	ND	ug/Kg	1.2	5		
Heptachlor	ND	ug/Kg	0.44	5		
Heptachlor epoxide	ND	ug/Kg	0.27	5		
Lindane (Gamma-BHC)	ND	ug/Kg	0.3	5		
Methoxychlor	ND	ug/Kg	5.2	10		
Toxaphene	ND	ug/Kg	12	100		

Lab Control Spike/ Lab Control Spike Duplicate Summary												
	Spike Amount	Spike Result		Recoveries	Limi	ts						
Analyte	LCS LCSD	LCS LCSD	Units	LCS LCSD	RPD %Rec	RPD	Notes					
QC1174505LCS1	<u> </u>	•										
4,4'-DDE	50	58	ug/Kg	116	70-130							
4,4'-DDT	50	54	ug/Kg	108	70-130							
a-BHC	50	58	ug/Kg	116	70-130							
Aldrin	50	57	ug/Kg	114	70-130							
b-BHC	50	52	ug/Kg	104	70-130							
d-BHC	50	58	ug/Kg	116	70-130							
Dieldrin	50	56	ug/Kg	112	70-130							
Endosulfan I	50	52	ug/Kg	104	70-130							
Endosulfan II	50	44	ug/Kg	88	70-130							
Endosulfan sulfate	50	60	ug/Kg	120	70-130							
Endrin	50	57	ug/Kg	114	70-130							
Endrin aldehyde	50	50	ug/Kg	100	70-130							
Heptachlor	50	53	ug/Kg	106	70-130							
Heptachlor epoxide	50	56	ug/Kg	112	70-130							
Lindane (Gamma-BHC)	50	56	ug/Kg	112	70-130							
Methoxychlor	50	58	ug/Kg	116	70-130							

	Matrix Spike/Matrix Spike Duplicate Summary											
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1174505MS1, QC1174505MSD1							•		•	Sc	urce:	386689-001
4,4'-DDE	15	50	50	68	67	ug/Kg	106	104	1.5	70-130	20	
4,4'-DDT	79	50	50	71	66	ug/Kg	0	0	7.3	70-130	20	M
a-BHC	ND	50	50	57	56	ug/Kg	114	112	1.8	70-130	20	
Aldrin	ND	50	50	58	56	ug/Kg	116	112	3.5	70-130	20	
b-BHC	ND	50	50	49	47	ug/Kg	98	94	4.2	70-130	20	

**Enthalpy** 

QCBatchID: QC1174505	Analyst: nhernandez	Method: EPA 8081A	
Matrix: Solid	Analyzed: 01/20/2017	Instrument: SVOA-GC (group)	

	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1174505MS1, QC1174505MSD1										Sc	ource:	386689-001
d-BHC	ND	50	50	56	56	ug/Kg	112	112	0.0	70-130	20	
Dieldrin	ND	50	50	62	61	ug/Kg	124	122	1.6	70-130	20	
Endosulfan I	ND	50	50	48	47	ug/Kg	96	94	2.1	70-130	20	
Endosulfan II	ND	50	50	47	43	ug/Kg	94	86	8.9	70-130	20	
Endosulfan sulfate	ND	50	50	59	77	ug/Kg	118	154	26.5	70-130	20	М
Endrin	ND	50	50	57	52	ug/Kg	114	104	9.2	70-130	20	
Endrin aldehyde	ND	50	50	54	49	ug/Kg	108	98	9.7	70-130	20	
Heptachlor	ND	50	50	50	49	ug/Kg	100	98	2.0	70-130	20	
Heptachlor epoxide	ND	50	50	53	52	ug/Kg	106	104	1.9	70-130	20	
Lindane (Gamma-BHC)	ND	50	50	56	54	ug/Kg	112	108	3.6	70-130	20	
Methoxychlor	ND	50	50	61	57	ug/Kg	122	114	6.8	70-130	20	

QCBatchID: QC1174600	Analyst: dswafford	Method: EPA 6010B	
Matrix: Solid	Analyzed: 01/23/2017	Instrument: AAICP (group)	

Blank Summary													
Blank													
Analyte Result Units MDL RDL Notes													
QC1174600MB1	QC1174600MB1												
Lead	ND	mg/Kg	0.32	0.5									

Lab Con	Lab Control Spike/ Lab Control Spike Duplicate Summary												
Spike Amount Spike Result Recoveries Limits													
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes		
QC1174600LCS1			•	•		,	,			•			
Lead 100 98.8 mg/Kg 99 80-120													

Matrix Spike/Matrix Spike Duplicate Summary												
Sample Spike Amount Spike Result Recoveries Limits												
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1174600MS1, QC1174600MSD1										Sc	ource:	386689-001
Lead	50.2	100	100	140	162	mg/Kg	90	112	14.6	75-125	20	

QCBatchID: QC1174601	Analyst: dswafford	Method: EPA 6020	
Matrix: Solid	<b>Analyzed:</b> 01/23/2017	Instrument: AAICP (group)	

	Blank Summary												
Blank													
Analyte	Result	Units	MDL	RDL	Notes								
QC1174601MB1	QC1174601MB1												
Arsenic	ND	mg/Kg	0.02	0.3									

Lab Cor	Lab Control Spike/ Lab Control Spike Duplicate Summary												
Spike Amount Spike Result Recoveries Limits													
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes		
QC1174601LCS1	•		•				,			•			
Arsenic	50		54.5		mg/Kg	109			80-120				

Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1174601MS1, QC1174601MSD1										Sc	ource:	386689-001
Arsenic	5.04	50	50	51.2	51.8	mg/Kg	92	94	1.2	75-125	20	

QCBatchID: QC1174765	Analyst: jeannynguye	Method: EPA 6010B	
Matrix: Solid	Analyzed: 01/27/2017	Instrument: AAICP (group)	

	Blank Summary												
Blank													
Analyte	Result	Units	MDL	RDL	Notes								
QC1174765MB1	QC1174765MB1												
Lead	ND	mg/Kg	0.32	0.5									

Lab Con	Lab Control Spike/ Lab Control Spike Duplicate Summary												
Spike Amount Spike Result Recoveries Limits													
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes		
QC1174765LCS1				•		,	,		•	•			
Lead	100		89.9		mg/Kg	90			80-120				

Matrix Spike/Matrix Spike Duplicate Summary												
Sample Spike Amount Spike Result Recoveries Limits												
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1174765MS1, QC1174765MSD1										Sc	ource:	386689-008
Lead	27.5	100	100	111	112	mg/Kg	84	85	0.9	75-125	20	

QCBatchID: QC1174829	Analyst: dswafford	Method: EPA 6020	
Matrix: Solid	Analyzed: 01/30/2017	Instrument: AAICP (group)	

	Blank Summary												
Blank													
Analyte	Result	Units	MDL	RDL	Notes								
QC1174829MB1													
Arsenic	ND	mg/Kg	0.02	0.3									

Lab Con	Lab Control Spike/ Lab Control Spike Duplicate Summary												
Spike Amount Spike Result Recoveries Limits													
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes		
QC1174829LCS1	•			•		•	,						
Arsenic 50 58.0 mg/Kg 116 80-120													

Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1174829MS1, QC1174829MSD1										Sc	urce:	386689-008
Arsenic	12.8	50	50	63.5	60.5	mg/Kg	101	95	4.8	75-125	20	

 QCBatchID:
 QC1174876
 Analyst:
 dswafford
 Method:
 EPA 6010B

 Matrix:
 Solid
 Analyzed:
 01/31/2017
 Instrument:
 AAICP (group)

	Blank	c Summar	у			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1174876MB1			•		-	
Arsenic	0.009 J	mg/L	0.004	0.05		
Barium	0.04 J	mg/L	0.001	0.5		
Cadmium	ND	mg/L	0.001	0.05		
Chromium	ND	mg/L	0.002	0.05		
Lead	ND	mg/L	0.004	0.05		
Selenium	0.030 J	mg/L	0.004	0.05		
Silver	ND	mg/L	0.001	0.05		

Lab C	ontrol Spi	ke/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike A	Spike Amount		Spike Result		Recoveries			Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1174876LCS1						•					
Arsenic	2		2.24		mg/L	112			80-120		
Barium	2		2.15		mg/L	108			80-120		
Cadmium	2		2.21		mg/L	111			80-120		
Chromium	2		1.990		mg/L	100			80-120		
Lead	2		1.933		mg/L	97			80-120		
Selenium	2		2.10		mg/L	105			80-120		
Silver	2		2.02		mg/L	101			80-120		

	Mat	trix Sp	ike/Mat	rix Spik	re Dupli	icate Sun	nmary					
	Sample	Spike	Amount	Spike	Spike Result		Reco	veries		Limit	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1174876MS1, QC1174876MSD1							•		•	Sc	ource:	387114-001
Arsenic	ND	1	1	1.059	0.985	mg/L	106	99	7.2	75-125	20	
Barium	0.04	1	1	1.03	0.94	mg/L	99	90	9.1	75-125	20	
Cadmium	ND	1	1	1.074	0.984	mg/L	107	98	8.7	75-125	20	
Chromium	ND	1	1	0.958	0.877	mg/L	96	88	8.8	75-125	20	
Lead	ND	1	1	0.939	0.876	mg/L	94	88	6.9	75-125	20	
Selenium	0.032	1	1	1.058	0.980	mg/L	103	95	7.7	75-125	20	
Silver	ND	1	1	0.935	0.939	mg/L	94	94	0.4	75-125	20	

QCBatchID: QC1174909 Analyst: dswafford Method: EPA 6010B Matrix: Solid **Analyzed:** 02/01/2017 Instrument: AAICP (group)

	Blan	k Summary	,									
Blank												
Analyte	Result	Units	MDL	RDL	Notes							
QC1174909MB1												
Chromium	0.021 J	mg/L	0.006	0.03								
Lead	ND	mg/L	0.012	0.015								
Nickel	0.016 J	mg/L	0.003	0.06								

	Matrix Spike/Matrix Spike Duplicate Summary												
	Sample Spike Amount		Spike	Spike Result		Recoveries			Limits				
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes	
QC1174909MS1, QC1174909MSD1										Sc	ource:	386813-002	
Chromium	0.972	10	10	10.4	9.65	mg/L	94	87	7.5	75-125	20		
Lead	ND	10	10	8.74	8.43	mg/L	87	84	3.6	75-125	20		
Nickel	0.734	10	10	9.98	9.34	mg/L	92	86	6.6	75-125	20		

QCBatchID: QC1175022	Analyst: dswafford	Method: EPA 6020	
Matrix: Solid	Analyzed: 02/03/2017	Instrument: AAICP (group)	

	Blank Summary											
Blank												
Analyte	Analyte Result Units MDL RDL Notes											
QC1175022MB1												
Arsenic	ND	mg/Kg	0.02	0.3								

Lab C	ontrol Sp	ike/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1175022LCS1	•		•							•	
Arsenic	50		59.7		mg/Kg	119			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1175022MS1, QC1175022MSD1	•									Sc	urce:	386688-005
Arsenic	5.28	50	50	57.6	57.9	mg/Kg	105	105	0.5	75-125	20	

### **Data Qualifiers and Definitions**

### **Qualifiers**

A See Report Comments.

**B** Analyte was present in an associated method blank.

**B1** Analyte was present in a sample and associated method blank greater than MDL but less than RDL.

**BQ1** No valid test replicates. Sample Toxicity is possible. Best result was reported.

BQ2 No valid test replicates.

**BQ3** No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.

**C** Possible laboratory contamination.

**D** RPD was not within control limits. The sample data was reported without further clarification.

D1 Lesser amount of sample was used due to insufficient amount of sample supplied.

D2 Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting

limit.

**DW** Sample result is calculated on a dry weigh basis.

E Concentration is estimated because it exceeds the quantification limits of the method.

The sample was read outside of the method required incubation period.

J Reported value is estimated

L The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits.

Associated sample data was reported with qualifier.

M The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The

associated LCS and/or LCSD was within control limits and the sample data was reported without further

clarification.

M1 The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.

M2 The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or

LCSD was not within control limits. Sample result is estimated.

N1 Sample chromatography does not match the specified TPH standard pattern.

NC The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery

and limits do not apply.

P Sample was received without proper preservation according to EPA guidelines.

P1 Temperature of sample storage refrigerator was out of acceptance limits.

P2 The sample was preserved within 24 hours of collection in accordance with EPA 218.6.

Q1 Analyte Calibration Verification exceeds criteria. The result is estimated.

Q2 Analyte calibration was not verified and the result was estimated.

Q3 Analyte initial calibration was not available or exceeds criteria. The result was estimated.

**S** The surrogate recovery was out of control limits due to matrix interference. The associated method blank

surrogate recovery was within control limits and the sample data was reported without further clarification.

S1 The associated surrogate recovery was out of control limits; result is estimated.

S2 The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds.

Surrogate recoveries in the associated batch QC met recovery criteria.

S3 Internal Standard did not meet recovery limits. Analyte concentration is estimated.

T Sample was extracted/analyzed past the holding time.

T1 Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).

T2 Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.

T3 Sample received and analyzed out of hold time per client's request.

T4 Sample was analyzed out of hold time per client's request.

T5 Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.

**T6** Hold time is indeterminable due to unspecified sampling time.

T7 Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

### **Definitions**

**DF** Dilution Factor

MDL Method Detection Limit. Result is reported ND when it is less than or equal to MDL.

**ND** Analyte was not detected or was less than the detection limit.

NR Not Reported. See Report Comments.

RDL Reporting Detection Limit

TIC Tentatively Identified Compounds



	ENTHALF	ENTHALPHY ANALYTICAL, INC.	AL, INC.	1		-	Chain of Custody Record	tody Rec	ord		Tu	n Aro	T pun	ime (R	Turn Around Time (Rush by advanced notice only)	nced notic	e only)
	806 N. Ba	806 N. Batavia St., Orange, CA 92868	A 92868			Lab No:	10: 28 668°	280			Standard:	_	×	4 Day:		3 Day:	
	Phone: (714) 771-6900		Fax: (714)771-9933			Page:	1	of		2	2 Day:	<u> </u>		1 Day:		Same Day:	
Billi C/o	Billing: Enthalpy - SoCal c/o Montrose Environm	Billing: Enthalpy <sub>-</sub> SoCal c/o Montrose Environmental Group		A De la	ENTHALPY analytical, inc.		Matrix: A = Air FL = Food Liquid FS	Air FS	Drinki d Solid SeaM	DW = Drinking Water = Food Solid L = Liqu	Prinking Water Solid L = Liquid SoaW = Sea Water		Pres	Preservatives:	atives: $1 = \text{Na}_2 \text{S}_2 \text{O}_3$ 4 = H.SO. 5 = NaOH	3 2 = HCl 3 H 6 = Other	= HNO <sub>3</sub>
H Q	ark Plaza, Suit	1 Park Plaza, Suite 1000, Irvine, CA 92614	12614			- 5	SW = Swab W = W	Vater	-		0 = Other				70.7		
	CO	CUSTOMER INFORMATION	MATION		PR	PROJECT INF	NFORMATION				Analysis Request	Sednes			Test Instr	Test Instructions / Comments	nments
Co	Company:	CES Group			Name:	Grant HS					225						
Rep	Report To:	Skye Green			Number:					(8	T08						
Email:	ail:	sgreen@cesgroup.co	ondno		P.O.#:	27016				3081E	lio,l9	(A.					
Adc	Address:	33353 Temecula Pkwy , Suite 104#333	kwy, Suite 10		Address:	13000 Oxnard St	ard St.			8) sə	səib,	1471					
		Temecula, CA 92592	92			Los Angele	Los Angeles, CA 91335			sticic	seg s	T0B\					
Phc	Phone:	714-398-6363			Global ID:					-	CONTRACTOR	09) s					
Еах:	,,	951-848-9812			Sampled By:	D. Baysa			-								
		Sample ID		Sampling Date	Sampling	g Matrix	Container No. / Size	Pres.	.09) bs9J	Arsenic (	Pet Hydn VOCs (82	PCBs (80:					
	567-0.5			01/16/17	1:45 PM	S	1/80z		×	×							
7	567-1.5			01/16/17	1:50 PM	S	1/8oz							×			
С	\$67-2.5			01/16/17	1:55 PM	S	1/8oz							×			
4	568-0.5			01/16/17	2:00 PM	S	1/8oz		×	×							
2	568-1.5			01/16/17	2:05 PM	S	1/8oz							×			
9	568-2.5			01/16/17	2:10 PM	S	1/8oz							×			
7	869-0.5			01/16/17	2:05 PM	S	1/8oz		×	×							
∞	\$69-1.5			01/16/17	2:10 PM	s I	1/8oz							×			
6	\$69-2.5			01/16/17	2:15 PM	S	1/80z							×			
10																	
			Sig	Signature		_	Print Name				Company	//Title	e		Ω	Date / Time	
H R	Relinquished By:	By:	PASULY.			4	Danny Baysa		0	CES Gr	Group/ Field Supervisor	ld Sup	ervisc	Ľ	1/18/11	0400	
1 R	<sup>1</sup> Received By:		tank a	0		1. NO	ASS.			60				$\neg$	1/8/1	6:00	
2 R	<sup>2</sup> Relinquished By:	By:															
2 R	<sup>2</sup> Received By:																
3 R	<sup>3</sup> Relinquished By:	By:															
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L	ENTHALP	ENTHALPHY ANALYTICAL, INC.	1		_	Chain of Custody Record	ody Rec	ord	F	Irn Ar	I punc	me (R	ush by advar	Turn Around Time (Rush by advanced notice only)	
	806 N. Bat	806 N. Batavia St., Orange, CA 92868			Lab No:	3200	0		Standard:		×	4 Day:	.;	3 Day:	
	Phone: (714) 771-6900	771-6900 Fax: (714)771-9933	1	1	Page:	2	of	2	2 Day:			1 Day:	.:	Same Day:	
Billin	Billing: Enthalpy - SoCal	SoCal		FLIAI DV		Matrix: A=Air		<u></u>	Water		Drozd	Drocorvativos.	1 = Na. S. O.	2 = HCl 3 = HNO.	
0/0	Montrose Env	c/o Montrose Environmental Group	900	analytical, inc				J 11 6	SeaW = Sea Water		201	4=4	004	6 = Other	
I Po	ark Plaza, Suite	1 Park Plaza, Suite 1000, Irvine, CA 92614	-		6	SW = SWab W = Water		- 8		1		I			T
	CO	CUSTOMER INFORMATION		PRC	DECT INF	PROJECT INFORMATION			Analysis Request	Reque	)t		Test Instru	Test Instructions / Comments	
Con	Company:	CES Group		Name:	Grant HS				၁၁၄	3.34					
Rep	Report To:	Skye Green		Number:		a)		77							
Email:		sgreen@cesgroup.co		P.O.#:	27016					(A.					
Add	Address:	33353 Temecula Pkwy , Suite 104#333		Address:	13000 Oxnard St	rd St.		,, 00	-	1747					
		Temecula, CA 92592			Los Angeles, CA 91335	, CA 91335		-:-:+3	-	108/					
Phone:		714-398-6363		Global ID:				-	e no	09) s					
Fax:		951-848-9812		Sampled By:	D. Baysa			0209	ocsup						
		Sample ID	Sampling Date	Sampling	Matrix	Container No. / Size	Pres.	.6ad (60:	Organoch Pet Hydri VOCs (82	CBs (80:		НОГР			
H	567-0.5		01/16/17	2:15 PM	S	1/80z		/ ×		+					
2	\$67-1.5		01/16/17	2:20 PM	S	1/8oz						×			
m	\$67-2.5		01/16/17	2:25 PM	S	1/8oz						×			
4															
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		Š	Signature		Ь	Print Name			Company	ny / Title	ile		De	Date / Time	
1 Re	Relinquished By:	By: Toyough	-		Ď	Danny Baysa		CES (	CES Group/ Field Supervisor	eld Su	perviso	_	11/18/11	0000	
1 Re	<sup>1</sup> Received By:	TO TO	of he	$\cap$	1 Na.	Kry		PA	*				1/18/17	91:00	
2 Re	<sup>2</sup> Relinquished	By:											-		
2 R	<sup>2</sup> Received By:											1			
3 R	<sup>3</sup> Relinquished By:	By:										1			
3 8	<sup>3</sup> Received By:											٦			



## SAMPLE ACCEPTANCE CHECKLIST

Section 1			
Client: CES GROW Project: GRANT HS			
Date Received: (16 17 Sampler's Name Present: Y	es No		
Sample(s) received in a cooler? Yes How many? No (skip section 2) Sam	nple Tem	p (°C):	
Sample Temp (°C) from each cooler: #1: 6.6 #2: #3:#3:	#4: y sample 0 to	o 10°C or, f	or samples
Shipping Information:			
Section 2			
Was the cooler packed with: Ice Ice Packs Bubble Wrap	Styrofoa	m	
PaperNoneOther Cooler Temp (°C): #1:#2:#3:	#4:		
		NO	NI/A
Section 3	YES	NO	N/A
Was a COC received?			
Were sample IDs present?	V		
Were sampling dates & times present?	/	****	
Was a relinquished signature present?			
Were the tests required clearly indicated?			
Were custody seals present?		/	
If Yes – were they intact?			
Were all samples sealed in plastic bags?		1/	
Did all samples arrive intact? If no, indicate below.			
Did all bottle labels agree with COC? (ID, dates and times)	/	/	12.75
Were correct containers used for the tests required?	/	-	
Was a sufficient amount of sample sent for tests indicated?			
Was there headspace in VOA vials?			1/
Were the containers labeled with correct preservatives?			1/
Were the containers labeled with correct preservatives:			
Section 4  Explanations/Comments: OND PAGE OF SAMPLES ON C.C. DO A	KTM	IA7CH	
Explanations/Comments: 200 PAGE OF SAMPLES ON COC DO 12 CONTAINERS, SAMPLE CONTAINERS READ SQU-0.5, SQU-	1.5', 5	10-25	
Section 5			
For discrepancies, how was the Project Manager notified? Verbal PM Initials: 17.0			18/7
Project Manager's response:		/	
	-		
Completed By: To A A To			

From: Skye Green <sgreen@cesgroup.co>
Sent: Friday, January 20, 2017 3:09 PM

**To:** Ranjit Clarke **Cc:** Danny Baysa

**Subject:** Re: Sample ID ?s: Grant HS (01/16/17)

I just confirmed with Danny that the jars are correct. Thanks.

On Jan 20, 2017, at 3:02 PM, Ranjit Clarke < <a href="mailto:Ranjit.Clarke@enthalpy.com">Ranjit.Clarke@enthalpy.com</a> wrote:

Thanks.

#### <image001.jpg>

#### Ranjit Clarke

Senior Project Manager

O: 714-771-9906 / M: 657-274-9864 / F: 714-538-1209

Ranjit.Clarke@enthalpy.com

From: Skye Green [mailto:sgreen@cesgroup.co]

Sent: Friday, January 20, 2017 3:02 PM

To: Ranjit Clarke < <a href="mailto:Ranjit.Clarke@enthalpy.com">Ranjit.Clarke@enthalpy.com</a>>

Cc: Danny Baysa <dbaysa@cesgroup.co>

Subject: Re: Sample ID ?s: Grant HS (01/16/17)

I think the jars would be correct but Danny will confirm since he was out in the field.

Skye

On Jan 20, 2017, at 1:10 PM, Ranjit Clarke < <a href="mailto:Ranjit.Clarke@enthalpy.com">Ranjit.Clarke@enthalpy.com</a> wrote:

Danny,

Please see COC pg. 2 of 2. The IDs listed on the page say "S67", but the jars receive reference "S70". I assume the jars are correct since you already have "S67" samples listed on pg. 1 of 2. Please confirm.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

#### <image001.jpg>

Ranjit Clarke

Senior Project Manager Enthalpy Analytical 931 W. Barkley Ave., Orange, CA 92868 O: 714-771-9906 / M: 657-274-9864 / F: 714-538-1209

From: Skye Green <sgreen@cesgroup.co>
Sent: Thursday, January 26, 2017 11:33 AM

**To:** Ranjit Clarke

Subject: RE: Grant HS (01/16/17) - Enthalpy Analytical Final Report #386689

Ranjit,

Please run the following for Grant HS:

\$67-0.5' STLC \$67-1.5' Lead

S68-0.5' STLC and TCLP

S68-1.5' Lead S69-0.5' STLC

S69-1.5' Lead and arsenic

Also, I believe that I am still waiting on S9-2.5' for lead and S9-1.5' STLC for Grant. Just want to make sure that they are still on their way.

Thanks,

#### Skye Green, P.E.

CES Group, Inc. CES/Novacom/ERG 951-808-8585 office 714-398-6363 mobile 951-848-9812 fax sgreen@cesgroup.co www.cesgroup.co



From: Ranjit Clarke [mailto:Ranjit.Clarke@enthalpy.com]

Sent: Wednesday, January 25, 2017 5:05 PM

To: sgreen@cesgroup.co; Danny Baysa <dbaysa@cesgroup.co>

Subject: Grant HS (01/16/17) - Enthalpy Analytical Final Report #386689

Hi Skye Green,

Attached is your final report #386689. Please let me know if you require STLC and/or TCLP on the S67-0.5′, S68-0.5′, and S69-0.5′ samples.

Thank you.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

From: Skye Green <sgreen@cesgroup.co>
Sent: Thursday, February 02, 2017 5:20 PM

To: Ranjit Clarke

Subject: RE: Enthalpy Analytical Final Report #386689

#### Ranjit,

For the Grant site, please run sample S69-2.5' for arsenic. Please use a 3-day turnaround time. Thanks,

#### Skye Green, P.E.

CES Group, Inc. CES/Novacom/ERG 951-808-8585 office 714-398-6363 mobile 951-848-9812 fax sgreen@cesgroup.co www.cesgroup.co



From: Ranjit Clarke [mailto:Ranjit.Clarke@enthalpy.com]

Sent: Thursday, February 2, 2017 3:07 PM

To: sgreen@cesgroup.co; Danny Baysa <dbaysa@cesgroup.co>

Subject: Enthalpy Analytical Final Report #386689

Hi Skye Green,

Attached is your final report #386689.

Thank you.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

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## **Enthalpy Analytical, Inc.**

Formerly Associated Labs 806 N. Batavia - Orange, CA 92868 Tel: (714)771-6900 Fax: (714)538-1209 www.associatedlabs.com info-sc@enthalpy.com

Client: CES Group, Inc.

Address: 33353 Temecula Pkwy.

Suite 104 #333

Temecula, CA 92592

Attn: Skye Green

Comments: Grant HS

PO# 27016

13000 Oxnard St., Los Angeles, CA 91335

Supplemental Report 1



Lab Request: 387645
Report Date: 02/22/2017
Date Received: 02/13/2017
Client ID: 15581

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
387645-001	S71-0.5'
387645-002	S71-1.5'
387645-003	S71-2.5'
387645-004	S71-5.0'
387645-005	S72-0.5'
387645-006	S72-0.5D
387645-007	S72-1.5'
387645-008	S72-2.5'
387645-009	S73-0.5'
387645-010	S73-1.5'
387645-011	S73-2.5'
387645-012	S74-0.5'
387645-013	S74-1.5'
387645-014	S74-2.5'

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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Sample   2211/2017 10-20   State   Sample   ST-0.5   Sample   Type:   Sa	Matrix: Solid	Client: CES Grou	ıp, Inc.			Co	ollector: Client	
Analyte	· ·					Comm	la Timai	
Method: EPA 6010B MELAC   Prep Method: EPA 3050B   21.5 mg/Kg   02/13/17   02/14/17   N	-	·						
Lead			DF	MDL	RDL	Units	Prepared	
Method: EPA 6020 NELAC   Prep Method: EPA 30508   Call		· · · · · · · · · · · · · · · · · · ·	1	0.32	0.5	mg/Kg	02/13/17	
Matrix   Solid   Client   CES Group, Inc.   Sample   Sa								
Sample #: 337645-002   Cilient Sample #: 571-1.5   Sample Type:   Analyzed By Notes			10	0.2	3	mg/Kg	02/13/17	
Sample #: 337645-002   Cilient Sample #: 571-1.5   Sample Type:   Analyzed By Notes	Billioterius Calid	Oliente CEC Cree				0.	allasta Oliant	
Sample #: 387645-002   Cilient Sample #: \$71-1.5'   Sample Type:   Analyte			ip, inc.			G	ollector: Client	
Analyte   Result   DF   MDL   RDL   Units   Prepared   Analyzed   By   Notes	· ·					Samp	le Type:	
Method:   Prep Method:   N/A   1	-		DE	MDI	BDI			Analyzed Dy Notes
Matrix: Solid			DF	MDL	KUL	Units	Prepared	
Sampled: 02/11/2017 10:30   Site:   Sample #: 387645-003   Client Sample #: \$71-2.5'   Sample Type:   Sample Type:   Analyzed By   Notes		<u> </u>	1					
Sampled: 02/11/2017 10:30   Site:   Sample #: 387645-003   Client Sample #: \$71-2.5'   Sample Type:   Sample Type:   Analyzed By Notes	Matrix: Solid	Client: CES Grou	ın İnc			C	ollector: Client	
Sample #: 387645-003   Client Sample #: S71-2.5'   Sample Type:     Analyte			φ, πο.				onent	
Matrix: Solid	•					Samp	le Type:	
Matrix: Solid	Analyte	Result	DF	MDI	RDI	Units	Prepared	Analyzed By Notes
Matrix: Solid   Client: CES Group, Inc.   Sampled: 02/11/2017 10:50   Site:   Sampled: 02/11/2017 10:50   Site:   Sample #: 387645-004   Client Sample #: \$71-5.0'   Sample Type:				IVIDE	INDL	Office	Порагоа	
Sample #: 387645-094   Client Sample #: S71-5.0'   Sample Type:	N/A	N/A	1					
Sample #: 387645-094   Client Sample #: S71-5.0'   Sample Type:	Matrix: Solid	Client: CES Grou	ıp, Inc.			Co	ollector: Client	
Analyte	Sampled: 02/11/2017 10:50							
Method:         Prep Method:         QCBatchID:           N/A         N/A         1           Matrix: Solid Sampled: 02/11/2017 10:50 Site: Sample #: 387645-005         Client: CES Group, Inc. Site: Sample Type:           Analyte         Result DF MDL RDL Units Prepared Analyzed By Notes           Method: EPA 6010B NELAC         Prep Method: EPA 3050B         QCBatchID: QC1175354           Lead         10.6         1         0.32         0.5         mg/Kg         02/13/17         02/14/17         JN           Matrix: Solid Sampled: 02/11/2017 10:50 Site: Sampled: 02/11/2017 10:50 Site: Sample #: 387645-006         Client Sample #: S72-0.5D         Sample Type:           Analyte         Result DF MDL RDL Units Prepared Analyzed By Notes           Method: EPA 6010B NELAC         Prep Method: EPA 3050B           Collector: Client           Method: EPA 6010B NELAC         Prep Method: EPA 3050B           Collector: Client           Method: EPA 6010B NELAC         Prep Method: EPA 3050B           Collector: Client           Method: Prep Method: EPA 3050B           Collector: Client           Sampled: 02/11/2017 10:55           Sam	Sample #: 387645-004	Client Sample #: S71-5.0'				Samp	le Type:	
Matrix: Solid   Client: CES Group, Inc.   Collector: Client   Sampled: 02/11/2017 10:50   Site:   Sample #: 387645-005   Client Sample #: S72-0.5'   Sample Type:   Sample Type:	Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Matrix: Solid         Client: CES Group, Inc.         Collector: Client           Sampled:         02/11/2017 10:50         Site:         Sample Type:           Analyte         Result         DF         MDL         RDL         Units         Prepared         Analyzed By Notes           Method:         EPA 6010B NELAC         Prep Method:         EPA 3050B         QCBatchID:         QCBatchID:         QC1175354           Lead         10.6         1         0.32         0.5         mg/Kg         02/13/17         02/14/17         JN           Matrix: Solid Sample #: 387645-006         Client: CES Group, Inc.         Collector: Client         Sample Type:           Analyte         Result         DF         MDL         RDL         Units         Prepared         Analyzed By Notes           Method:         EPA 6010B NELAC         Prep Method:         EPA 3050B         QCBatchID:         Sample Type:         QCBatchID:         QCBatchID:         QCBatchID:         QCBatchID:         QCBatchID:         QCBatchID:         QCBatchID:         QCBatchID: <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>QCBatchID:</td>		· · · · · · · · · · · · · · · · · · ·						QCBatchID:
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Sample #: 387645-005   Client Sample #: S72-0.5'   Sample Type:	Matrix: Solid	Client: CES Grou	ıp, Inc.			Co	ollector: Client	
Analyte         Result         DF         MDL         RDL         Units         Prepared         Analyzed By         Notes           Method:         EPA 6010B NELAC         Prep Method:         EPA 3050B         QCBatchID:         QCBatchID:         QC1175354           Lead         10.6         1         0.32         0.5         mg/Kg         02/13/17         02/14/17         JN           Matrix: Solid         Client:         CES Group, Inc.         Collector:         Client         Client Sample #:         S72-0.5D         Sample Type:           Analyte         Result         DF         MDL         RDL         Units         Prepared         Analyzed By         Notes           Method:         EPA 6010B NELAC         Prep Method:         EPA 3050B         QCBatchID:         QC1175354           Lead         32.6         1         0.32         0.5         mg/Kg         02/13/17         02/14/17         JN           Matrix:         Solid         Client:         CES Group, Inc.         Collector:         Client           Sample #:         387645-007         Client Sample #:         S72-1.5'         Sample Type:           Analyte         Result         DF								
Method: EPA 6010B   NELAC   Prep Method: EPA 3050B   QCBatchID: QC1175354	Sample #: <u>387645-005</u>	Client Sample #: S72-0.5'				Samp	le Type:	
Lead   10.6   1   0.32   0.5   mg/Kg   02/13/17   02/14/17   JN	Analyte		DF	MDL	RDL	Units	Prepared	
Matrix: Solid   Client: CES Group, Inc.   Collector: Client				0.00	0.5		00/40/47	
Sampled: 02/11/2017 10:50   Site:   Sample #: 387645-006   Client Sample #: S72-0.5D   Sample Type:   Sample Type:     Sample Type:     Sample Type:     Sample Type:     Sample Type:     Sample Type:     Sample Type:     Sample Type:     Sample Type:   Sample Type:     Sample Type:   Samp		10.6	ı	0.32	0.0	ilig/ <b>r</b> .g	02/13/1/	UZ/ 14/ 1 / JIN
Sample #: 387645-006         Client Sample #: S72-0.5D         Sample Type:           Analyte         Result         DF         MDL         RDL         Units         Prepared         Analyzed By Notes           Method:         EPA 6010B NELAC         Prep Method:         EPA 3050B         QCBatchID:         QCBatchID:         QC1175354           Lead         32.6         1         0.32         0.5         mg/Kg         02/13/17         02/14/17         JN           Matrix:         Solid         Client:         CES Group, Inc.         Collector:         Client           Sampled:         02/11/2017 10:55         Site:         Sample Type:           Sample #:         387645-007         Client Sample #:         S72-1.5'         Sample Type:           Analyte         Result         DF         MDL         RDL         Units         Prepared         Analyzed By Notes           Method:         Prep Method:         QCBatchID:         QCBatchID:			ıp, Inc.			Co	ollector: Client	
Analyte         Result         DF         MDL         RDL         Units         Prepared         Analyzed By Notes           Method:         EPA 6010B NELAC         Prep Method:         EPA 3050B         QCBatchID:         QC1175354           Lead         32.6         1         0.32         0.5         mg/Kg         02/13/17         02/14/17         JN           Matrix:         Solid         Client:         CES Group, Inc.         Collector:         Client           Sampled:         02/11/2017 10:55         Site:         Sample Type:           Sample #:         387645-007         Client Sample #:         S72-1.5'         Sample Type:           Analyte         Result         DF         MDL         RDL         Units         Prepared         Analyzed By Notes           Method:         Prep Method:         QCBatchID:	-						I. T.	
Method:         EPA 6010B NELAC         Prep Method:         EPA 3050B         QCBatchID:         QC1175354           Lead         32.6         1 0.32 0.5 mg/Kg         02/13/17 02/14/17 JN           Matrix:         Solid         Client:         CES Group, Inc.         Collector:         Client           Sampled:         02/11/2017 10:55 Site:         Site:         Sample Type:           Sample #:         387645-007 Client Sample #:         S72-1.5' Sample Type:           Analyte         Result         DF MDL RDL Units         Prepared         Analyzed By Notes           Method:         Prep Method:         QCBatchID:	Sample #: 387645-006	Client Sample #: S/2-0.5D				Samp	ie Type:	
Lead         32.6         1         0.32         0.5         mg/Kg         02/13/17         02/14/17         JN           Matrix:         Solid         Client:         CES Group, Inc.         Collector:         Client           Sampled:         02/11/2017 10:55         Site:         Sample Type:           Sample #:         387645-007         Client Sample #:         S72-1.5'         Sample Type:           Analyte         Result         DF         MDL         RDL         Units         Prepared         Analyzed By Notes           Method:         Prep Method:         QCBatchID:			DF	MDL	RDL	Units	Prepared	
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Sampled:         02/11/2017 10:55         Site:           Sample #:         387645-007         Client Sample #:         S72-1.5'         Sample Type:           Analyte         Result         DF         MDL         RDL         Units         Prepared         Analyzed By         Notes           Method:         Prep Method:         QCBatchID:				0.02	0.0			OZITIII JIN
Sample #: 387645-007 Client Sample #: S72-1.5' Sample Type:  Analyte Result DF MDL RDL Units Prepared Analyzed By Notes  Method: Prep Method: QCBatchID:			ıp, Inc.			Co	ollector: Client	
Analyte Result DF MDL RDL Units Prepared Analyzed By Notes  Method: Prep Method: QCBatchID:	-					Samn	le Type:	
Method: Prep Method: QCBatchID:	-	· · · · · · · · · · · · · · · · · · ·					ie Type.	
·			DF	MDL	RDL	Units	Prepared	
NO NO I		<u> </u>	1					GCRS(CUID):
	19/0	IV/A	'					

Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 02/11/2017 11:00 Site: Sample #: 387645-008 Client Sample #: S72-2.5' Sample Type: Analyte Result DF MDL **RDL** Units Prepared Analyzed By Notes Method: Prep Method: QCBatchID: N/A N/A 1 Client: CES Group, Inc. Matrix: Solid Collector: Client Sampled: 02/11/2017 10:40 Site: Sample #: 387645-009 Client Sample #: S73-0.5' Sample Type: DF **MDL RDL** Analyzed By Notes **Analyte** Result Units **Prepared** Method: EPA 6010B NELAC Prep Method: EPA 1311/3010A QCBatchID: QC1175629 0.314 0.004 0.05 02/22/17 02/22/17 Lead JN mg/L Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1175354 Lead 110 0.32 0.5 02/13/17 02/14/17 JN mg/Kg QC1175628 Method: EPA 6010B NELAC Prep Method: STLC QCBatchID: 02/22/17 02/22/17 10 0.12 0.15 Lead 4.15 mg/L JN Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 02/11/2017 10:45 Site: Sample #: 387645-010 Client Sample #: S73-1.5' Sample Type: Analyzed By Notes DF **MDL RDL** Analyte Result Units **Prepared** EPA 6010B NELAC Method: Prep Method: EPA 3050B QCBatchID: QC1175564 Lead 16.0 1 0.32 0.5 mg/Kg 02/20/17 02/20/17 JN Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 02/11/2017 10:50 Site: Sample #: 387645-011 Client Sample #: S73-2.5' Sample Type: Analyzed By Analyte Result DF **MDL RDL** Units **Prepared** Notes Method: Prep Method: QCBatchID: N/A N/A 1 Collector: Client Matrix: Solid Client: CES Group, Inc. Sampled: 02/11/2017 10:25 Site: Sample #: 387645-012 Client Sample #: S74-0.5' Sample Type: **Analyte** Result DF **MDL RDL Units Prepared** Analyzed By **Notes** Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1175354 43.1 0.32 0.5 02/13/17 02/14/17 JN Lead mg/Kg 1 Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 02/11/2017 10:30 Site: Sample #: 387645-013 Client Sample #: S74-1.5' Sample Type: Result DF **MDL RDL Units Prepared** Analyzed By **Notes Analyte** Method: Prep Method: QCBatchID: N/A N/A Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 02/11/2017 10:35 Site: Sample #: 387645-014 Client Sample #: S74-2.5' Sample Type: Analyte Result DF **MDL RDL** Units **Prepared** Analyzed By **Notes** Method: Prep Method: QCBatchID: N/A N/A 1

QCBatchID: QC1175352	Analyst: dswafford	Method: EPA 6020	
Matrix: Solid	Analyzed: 02/14/2017	Instrument: AAICP (group)	

	Blan	k Summar	y			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1175352MB1			•			-
Arsenic	0.034 J	mg/Kg	0.02	0.3		
Thallium	0.024 J	mg/Kg	0.02	0.5		

	Lab Cont	rol Sp	ike/ Lab	Contro	ol Spike	Duplicat	te Sun	nmary				
		Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	•	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1175352LCS1					•							
Arsenic		50		59.7		mg/Kg	119			80-120		
Thallium		50		50.2		mg/Kg	100			80-120		

	Ма	trix Sp	ike/Matı	rix Spik	re Dupli	icate Sum	mary					
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1175352MS1, QC1175352MSD1							•			Sc	ource:	387627-008
Arsenic	8.16	50	50	57.4	62.7	mg/Kg	98	109	8.8	75-125	20	
Thallium	ND	50	50	42.3	46.5	mg/Kg	84	93	9.5	75-125	20	

QCBatchID:QC1175354Analyst:dswaffordMethod:EPA 6010BMatrix:SolidAnalyzed:02/14/2017Instrument:AAICP (group)

	Blan	k Summar	У			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1175354MB1			•	•		
Antimony	ND	mg/Kg	0.37	3		
Arsenic	ND	mg/Kg	0.36	1		
Barium	ND	mg/Kg	0.23	1		
Beryllium	ND	mg/Kg	0.17	0.5		
Cadmium	ND	mg/Kg	0.21	0.5		
Calcium	7.72 J	mg/Kg	0.94	50		
Chromium	ND	mg/Kg	0.13	1		
Cobalt	ND	mg/Kg	0.19	0.5		
Copper	ND	mg/Kg	0.31	1		
Iron	1.16 J	mg/Kg	0.4	5		
Lead	ND	mg/Kg	0.32	0.5		
Molybdenum	0.28 J	mg/Kg	0.13	1		
Nickel	ND	mg/Kg	0.2	1.5		
Potassium	3.58 J	mg/Kg	3.07	50		
Selenium	4.50	mg/Kg	0.72	1	В	
Silver	ND	mg/Kg	0.13	0.5		
Sodium	4.94 J	mg/Kg	3.07	50		
Thallium	ND	mg/Kg	0.42	1		
Vanadium	ND	mg/Kg	0.37	0.5		
Zinc	ND	mg/Kg	0.28	5		

Lab Con	trol Spike/ L	ab Contro	ol Spike	Duplicat	te Sum	mary				
	Spike Amour	nt Spike	Result		Recov	veries		Limi	ts	
Analyte	LCS LCS	D LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1175354LCS1	1	'							'	
Antimony	100	103		mg/Kg	103			80-120		
Arsenic	100	94.9		mg/Kg	95			80-120		
Barium	100	97.0		mg/Kg	97			80-120		
Beryllium	100	89.7		mg/Kg	90			80-120		
Cadmium	100	97.1		mg/Kg	97			80-120		
Chromium	100	94.0		mg/Kg	94			80-120		
Cobalt	100	96.7		mg/Kg	97			80-120		
Copper	100	99.2		mg/Kg	99			80-120		
Lead	100	96.3		mg/Kg	96			80-120		
Molybdenum	100	96.3		mg/Kg	96			80-120		
Nickel	100	98.6		mg/Kg	99			80-120		
Selenium	100	91.1		mg/Kg	91			80-120		
Silver	100	90.3		mg/Kg	90			80-120		
Thallium	100	102		mg/Kg	102			80-120		
Vanadium	100	99.6		mg/Kg	100			80-120		
Zinc	100	92.4		mg/Kg	92			80-120		

	Mat	trix Sp	ike/Matı	rix Spik	ke Dupli	icate Sum	mary					
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1175354MS1, QC1175354MSD1										Sc	urce:	387627-001
Antimony	ND	100	100	45.5	44.4	mg/Kg	46	44	2.4	75-125	20	М
Arsenic	2.99	100	100	109	97.8	mg/Kg	106	95	10.8	75-125	20	
Barium	94.3	100	100	211	191	mg/Kg	117	97	10.0	75-125	20	
Beryllium	ND	100	100	92.1	88.3	mg/Kg	92	88	4.2	75-125	20	
Cadmium	0.27	100	100	105	94.8	mg/Kg	105	95	10.2	75-125	20	

Enthalpy

QCBatchID: QC1175354	Analyst: dswafford	Method: EPA 6010B	
Matrix: Solid	<b>Analyzed:</b> 02/14/2017	Instrument: AAICP (group)	

	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1175354MS1, QC1175354MSD1										Sc	ource:	387627-001
Chromium	11.8	100	100	116	104	mg/Kg	104	92	10.9	75-125	20	
Cobalt	8.03	100	100	110	99.4	mg/Kg	102	91	10.1	75-125	20	
Copper	12.6	100	100	118	107	mg/Kg	105	94	9.8	75-125	20	
Lead	12.8	100	100	112	100	mg/Kg	99	87	11.3	75-125	20	
Molybdenum	0.32	100	100	99.0	88.3	mg/Kg	99	88	11.4	75-125	20	
Nickel	7.77	100	100	110	99.2	mg/Kg	102	91	10.3	75-125	20	
Selenium	ND	100	100	53.9	51.6	mg/Kg	54	52	4.4	75-125	20	М
Silver	ND	100	100	95.6	85.4	mg/Kg	96	85	11.3	75-125	20	
Thallium	ND	100	100	99.5	87.8	mg/Kg	100	88	12.5	75-125	20	
Vanadium	31.3	100	100	140	126	mg/Kg	109	95	10.5	75-125	20	
Zinc	53.6	100	100	166	150	mg/Kg	112	96	10.1	75-125	20	

QCBatchID: QC1175564	Analyst: dswafford	Method: EPA 6010B	
Matrix: Solid	Analyzed: 02/20/2017	Instrument: AAICP (group)	

	Blar	nk Summary	<u>'</u>										
Blank													
Analyte	Result	Units	MDL	RDL	Notes								
QC1175564MB1													
Lead	ND	mg/Kg	0.32	0.5									

Lab Con	Lab Control Spike/ Lab Control Spike Duplicate Summary											
	Spike	Amount	Spike	Result		Reco	veries		Limi	ts		
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes	
QC1175564LCS1				•			,		•	•		
Lead	200		168		mg/Kg	84			80-120			

	Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	S		
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes	
QC1175564MS1, QC1175564MSD1										Sc	urce:	387645-010	
Lead	16.0	50	50	56.0	58.3	mg/Kg	80	85	4.0	75-125	20		

QCBatchID: QC1175628	Analyst: dswafford	Method: EPA 6010B	
Matrix: Solid	Analyzed: 02/22/2017	Instrument: AAICP (group)	

	Blank Summary												
Blank													
Analyte	Result	Units	MDL	RDL	Notes								
QC1175628MB1		•		*	•	•							
Lead	ND	mg/L	0.012	0.015									

Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	s	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1175628MS1, QC1175628MSD1							•			Sc	urce:	387645-009
Lead	4.15	10	10	11.6	12.4	mg/L	75	83	6.7	75-125	20	М

QCBatchID: QC1175629	Analyst: dswafford	Method: EPA 6010B	
Matrix: Solid	Analyzed: 02/22/2017	Instrument: AAICP (group)	

	Blank Summary												
Blank													
Analyte	Result	Units	MDL	RDL	Notes								
QC1175629MB1													
Lead	ND	mg/L	0.004	0.05									

Lab Con	Lab Control Spike/ Lab Control Spike Duplicate Summary											
	Spike	Amount	Spike	Result		Reco	veries		Limi	ts		
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes	
QC1175629LCS1				•		,	,		•	•		
Lead	2		1.748		mg/L	87			80-120			

	Mat	trix Sp	ike/Mat	rix Spik	re Dupli	cate Sum	mary					
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1175629MS1, QC1175629MSD1										Sc	ource:	387645-009
Lead	0.314	1	1	1.188	1.247	mg/L	87	93	4.8	75-125	20	

#### **Data Qualifiers and Definitions**

#### **Qualifiers**

A See Report Comments.

**B** Analyte was present in an associated method blank.

**B1** Analyte was present in a sample and associated method blank greater than MDL but less than RDL.

**BQ1** No valid test replicates. Sample Toxicity is possible. Best result was reported.

BQ2 No valid test replicates.

**BQ3** No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.

**C** Possible laboratory contamination.

**D** RPD was not within control limits. The sample data was reported without further clarification.

D1 Lesser amount of sample was used due to insufficient amount of sample supplied.

D2 Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting

limit.

**DW** Sample result is calculated on a dry weigh basis.

E Concentration is estimated because it exceeds the quantification limits of the method.

The sample was read outside of the method required incubation period.

J Reported value is estimated

L The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits.

Associated sample data was reported with qualifier.

M The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The

associated LCS and/or LCSD was within control limits and the sample data was reported without further

clarification.

M1 The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.

M2 The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or

LCSD was not within control limits. Sample result is estimated.

N1 Sample chromatography does not match the specified TPH standard pattern.

NC The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery

and limits do not apply.

P Sample was received without proper preservation according to EPA guidelines.

P1 Temperature of sample storage refrigerator was out of acceptance limits.

P2 The sample was preserved within 24 hours of collection in accordance with EPA 218.6.

Q1 Analyte Calibration Verification exceeds criteria. The result is estimated.

Q2 Analyte calibration was not verified and the result was estimated.

Q3 Analyte initial calibration was not available or exceeds criteria. The result was estimated.

**S** The surrogate recovery was out of control limits due to matrix interference. The associated method blank

surrogate recovery was within control limits and the sample data was reported without further clarification.

**S1** The associated surrogate recovery was out of control limits; result is estimated.

S2 The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds.

Surrogate recoveries in the associated batch QC met recovery criteria.

S3 Internal Standard did not meet recovery limits. Analyte concentration is estimated.

T Sample was extracted/analyzed past the holding time.

T1 Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).

T2 Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.

T3 Sample received and analyzed out of hold time per client's request.

T4 Sample was analyzed out of hold time per client's request.

T5 Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.

T6 Hold time is indeterminable due to unspecified sampling time.

T7 Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

#### **Definitions**

**DF** Dilution Factor

MDL Method Detection Limit. Result is reported ND when it is less than or equal to MDL.

ND Analyte was not detected or was less than the detection limit.

NR Not Reported. See Report Comments.

RDL Reporting Detection Limit

TIC Tentatively Identified Compounds



ENTHAL	ENTHALPHY ANALYTICAL, INC.				Chain of Custody Record	tody Rec	ord	Lames	urn Aro	und Tim	Turn Around Time (Rush by advanced notice only)	anced notic	e only)
806 N. B	806 N. Batavia St., Orange, CA 92868	*		Lab No:	· 387	645		Standard:	rd:		4 Day:	3 Day:	×
Phone: (714) 771-6900	) 771-6900 Fax: (714)771-9933	1		Page:	₩	of	2	2 Day:			1 Day:	Same Day:	
Billing: Enthalpy - SoCal	- SoCal		) <sup>1</sup> ,	and the second	Matrix: A=,	∌		Vater					
c/o Montrose E	c/o Montrose Environmental Group		ytical, inc		FL = Food Liquid PP = Pure Product	FS = Food Solid S = Solid SeaW	d Solid L	Solid L=Liquid SeaW = Sea Water		Preservatives:	atives: $1 = Na_2 S_2 O_3$ 4 = H.SO, 5 = NaOH	2 = HCl   6 = Othe	3 = HNO <sub>3</sub> r
1 Park Plaza, Su	1 Park Plaza, Suite 1000, Irvine, CA 92614			S	SW = Swab W = V	Vater	= Wipe	0 = Other					
2	CUSTOMER INFORMATION		PR(	PROJECT INF	NFORMATION			Analysi	Analysis Request		Test Ins	Test Instructions / Comments	mments
Company:	CES Group	Ţ.	Name:	Grant HS				225					
Report To:	Skye Green		Number:						******************************				
Email:	sgreen@cesgroup.co		P.O.#:	27016					(A				
Address:	33353 Temecula Pkwy , Ste 104 #333		Address:	13000 Oxnard St.	ard St.				TZtZ	<del></del>			
	Temecula, CA 92592			Los Angeles, CA 91335	, CA 91335				108\		Outroids and		
Phone:	714-398-6363		Global ID:					e uo					
Fax:	951-848-9812		Sampled By:	D. Baysa			0709	ocsıp	(A18	· · · · · · · · · · · · · · · · · · ·			
	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead (60) Arsenic (	Organoc Pet Hydr VOCs (82	PCBs (80				
1 S71-0.5'		02/11/17	10:20 AM	S	1/80z		×						
2 571-1.5		02/11/17	10:25 AM	S	1/8oz						×		
3   \$71-2.5		02/11/17	10:30 AM	S	1/8oz						×		
4 571-5.0'		02/11/17	10:50 AM	s	1/802						×		
5   \$72-0.5'		02/11/17	10:50 AM	S	1/8oz		×						
6 S72-0.5D		02/11/17	10:50 AM	S	1/8oz		×						
7 S72-1.5'		02/11/17	10:55 AM	S	1/8oz						×		
8 572-2.5'		02/11/17	11:00 AM	S	1/8oz						×		
6				S	1/80z		Carlon Ca						
10													
	Sign	Signature		Τ.	Print Name			Company	ny / Title	9		Date / Time	
<sup>1</sup> Relinquished By:	d By:	2			Danny Baysa		CES	CES Group/ Field Supervisor	ield Sup	ervisor	737		22
<sup>1</sup> Received By:			\(	C.M.	wolf!						7/13/17	13/6	
<sup>2</sup> Relinquished	d By:	7		L.M.	iltt.						T1/21/2	1739	
<sup>2</sup> Received By:				2ARD	3 M J J J	,		(L)	4		21317	7	2
<sup>3</sup> Relinquished By:	d By:			)									
<sup>3</sup> Received By:		>											

ENTHAL	ENTHALPHY ANALYTICAL, INC.				Chain of Custody Record	tody Rec	ord	2	rn Arou	nd Time	Turn Around Time (Rush by advanced notice only)	vanced not	ice only)	4000044
806 N. B.	806 N. Batavia St., Orange, CA 92868			Lab	b No: 387	7645	. 0	Standard:		4	4 Day:	3 Day:	×	
Phone: (714) 771-6900	) 771-6900 Fax: (714)771-9933			Page:	2	of	2	2 Day:		Н	1 Day:	Same Day:		
Billing: Enthalpy - SoCal	- SoCal			•	Matrix: A = Air	ı	DW = Drinking Water	ater						
c/o Montrose Er	c/o Montrose Environmental Group		Vtical, inc.	<u> </u>	FL = Food Liquid	FS = Food Solid	Solid	L = Liquid - See Weter		Preservatives:	<b>atives:</b> $1 = \text{Na}_2 \text{S}_2 \text{O}_3$	$_2O_3$ 2 = HCl 3	3 = HNO3	eponomenos
1 Park Plaza, Sui	1 Park Plaza, Suite 1000, Irvine, CA 92614				PP = Pure Product SW = Swab W = V	s = sc Vater	seaw = = Wipe	o = Other			NI - C 70057 - 1		Ī.	
Ü	CUSTOMER INFORMATION		PR	PROJECT IN	NFORMATION			Analysis Request	Request		Test In	Test Instructions / Comments	omments	
Company:	CES Group		Name:	Grant HS			•	၁၁ဌ						
Report To:	Skye Green		Number:				18		·					RECOMMENS
Email:	sgreen@cesgroup.co		P.O.#:	27016			1180		(A.					K
Address:	33353 Temecula Pkwy , Ste 104 #333		Address:	13000 Oxnard St	ard St.		3/ 30		[ <b>/</b> †/					
	Temecula, CA 92592			Los Angele	Los Angeles, CA 91335				/90T					en e
Phone:	714-398-6363		Global ID:					e uo	09) s					
Fax:	951-848-9812		Sampled By:	D. Baysa			0209	ocsup			-			BOOKERS
	Sample ID	Sampling Date	Sampling	Matrix	container No. / Size	Pres.	Lead (60) Arsenic (	Organoc Pet Hydr VOCs (82	PCBs (80		НОГР			
1  570-0.5'		02/11/17	, 10:40 AM	S	1/8oz		×							
2 S70-1.5'	A THE PARTY OF THE	02/11/17	, 10:45 AM	S	1/80z						×			
3 S70-2.5'		02/11/17	, 10:50 AM	1 S	1/802						×			
4 570-0.5		02/11/17	10:25 AM	r S	1/802		×		-					
5   570-1.5		02/11/17	, 10:30 AM	f S	1/8oz						×			
6   \$70-2.5	,	02/11/17	, 10:35 AM	۸ s	1/802						×			
7														
8														() () () () () () () () () () () () () (
6	in the state of th									1				
10											ATRIVESHI ILIZANI ARRAMINI ARRAMINI SARAMINI SARAMINI SARAMINI SARAMINI SARAMINI SARAMINI SARAMINI SARAMINI SA	lan gehrakija nga ikkada aganaj) e ens	ny vé dozdan SVIII ZVIV Szon po věniku tří	Married Control of the Control of th
	وزي ا	Signature			Print Name			Company	ıy / Title			Date / Time	ne .	
<sup>1</sup> Relinquished By:	d By: $ D/M $				Danny Baysa		CES (	Group/ Field Supervisor	eld Supe	rvisor	72		0 P	
<sup>1</sup> Received By:				C.100	Paroleti						2/12/17	7151		
<sup>2</sup> Relinquished By:	d By:	A		C. Ma	Parcelett						2(13/1-	1439	0-	
<sup>2</sup> Received By:				749	O BOIL	Ŧ			4		213	7 4	1440	
<sup>3</sup> Relinquished By:	d By:		5)		 ,						-			
<sup>3</sup> Received By:														



# SAMPLE ACCEPTANCE CHECKLIST

Section 1			
Client: CES GROUP Project: GRANT	HS		
Date Received: $2   13   14$ Sampler's Name Present: (Sample(s) received in a cooler? (Yes How many? $2$ No (skip section 2) Sample Temp (°C) from each cooler: $#1: 4.7°$ $#2: 13.4°$ $#3:$	(es) No		1
Sample(s) received in a cooler? (Yes How many? I No (skip section 2) Sal	nple Tem	np (°C):	
Sample Temp (°C) from each cooler: #1. 4. 7°C #2: 13. 4°C #3:	#4	, . , _	
(Acceptance range is 0 to 6°C or, for samples collected the same day as sample receipt, arrival on ice; For Microbiolog	gy sample 0 t	to 10°C or, j	for samples
collected the same day as sample receipt, arrival on ice)			1
Shipping Information:			
Section 2			
Was the cooler packed with: 📈 Ice Ice Packs Bubble Wrap	_Styrofoa	ım	
Paper None Other		_	
PaperNoneOther Cooler Temp (°C): #1: <u>0 . 7 °C</u> #2: <u>3 . 4 °C</u> #3:	_#4:		
Section 3	YES	NO	N/A
Was a COC received?	/		
Are sample IDs present?	V		
Are sampling dates & times present?	1/	· · · · · · · · · · · · · · · · · · ·	
Is a relinquished signature present?			
Are the tests required clearly indicated on the COC?	1/		
Are custody seals present?		V	
If custody seals are present, were they intact?			$\square$
Are all samples sealed in plastic bags? Recommended for Microbiology samples)	1//		
Did all samples arrive intact? If no, indicate in Section 4 below.	V		
Did all bottle labels agree with COC? (ID, dates and times)	5.	V	
Were the samples collected in the correct containers for the required tests?	V		
Are the containers labeled with the correct preservatives?			V
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			V
Was a sufficient amount of sample submitted for the requested tests?	V		
Section 4			
Explanations/Comments: SAMPLE ID'S ON THE SECOND C.O.C. C	IO NO	T COL	NCIDE
Section 4 Explanations/Comments: SAMPLE ID'S ON THE SECOND C.D.C. D. WITH THE SAMPLE LABELS.			
Section 5 For discrepancies, how was the Project Manager notified? (Verba) PM Initials: P.	C. Data	17:00 a 2	1317
			410/11
Èmail (email sent to/	on,	- /	
Project Manager's response: FOLLOW IDS PROVIDED ON SAMPLE LABELS.			
LANGONA LAS LLONDICO ALA LANGINA CALENDO.			
Completed By: Date: 2/13/17	_		

Enthalpy Analytical, a subsidiary of Montrose Environmental Group ,Inc. 931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209 www.enthalpy.com/socal

Sample Acceptance Checklist – Rev 2.4, 2/2/2017

From: Danny Baysa <dbaysa@cesgroup.co>
Sent: Tuesday, February 14, 2017 7:12 AM
To: Ranjit Clarke; sgreen@cesgroup.co

**Subject:** RE: Sample IDs - Grant HS

Sorry. Yes, should be S73 and S74. Thank you

Danny Baysa CES - Novacom - ERG 310.614.8191 Cell

From: Ranjit Clarke [mailto:Ranjit.Clarke@enthalpy.com]

**Sent:** Monday, February 13, 2017 6:18 PM **To:** 'Danny Baysa'; sgreen@cesgroup.co

Subject: Sample IDs - Grant HS

Importance: High

Skye/Danny,

The sample IDs on the 2<sup>nd</sup> page all have the "S70" prefix. However, the samples we received have "S73" and "S74" prefixes. Please confirm that the sample container labels are correct.

Thanks,

Ranjit

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.



#### Ranjit Clarke

Senior Project Manager Enthalpy Analytical 931 W. Barkley Ave., Orange, CA 92868 O: 714-771-9906 / M: 657-274-9864 / F: 714-538-1209 Ranjit.Clarke@enthalpy.com

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From: Skye Green <sgreen@cesgroup.co>
Sent: Friday, February 17, 2017 10:44 AM

To: Ranjit Clarke

**Subject:** RE: Enthalpy Analytical Final Report #387645

#### Ranjit,

For the Grant site, please run S73-1.5' for lead and run S73-0.5' for STLC and TCLP using 3-day TAT. Thanks,

#### Skye Green, P.E.

CES Group, Inc. CES/Novacom/ERG 951-808-8585 office 714-398-6363 mobile 951-848-9812 fax sgreen@cesgroup.co www.cesgroup.co



From: Ranjit Clarke [mailto:Ranjit.Clarke@enthalpy.com]

Sent: Thursday, February 16, 2017 6:29 PM

To: sgreen@cesgroup.co; 'Danny Baysa' <dbaysa@cesgroup.co>

Subject: Enthalpy Analytical Final Report #387645

Hi Skye Green,

Attached is your final report #387645.

Thank you.

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

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## **Enthalpy Analytical, LLC**

931 W. Barkley Ave - Orange, CA 92868 Tel: (714)771-6900 Fax: (714)538-1209 www.enthalpy.com info-sc@enthalpy.com

Client: CES Group, Inc.

Address: 33353 Temecula Pkwy.

Suite 104 #333

Temecula, CA 92592

Attn: Skye Green

Comments: Grant HS - See attached report for EPA 6020 results.

Supplemental Report 1 - All results through the 07/19/17 change order.



Lab Request: 392665
Report Date: 07/26/2017
Date Received: 07/15/2017
Client ID: 15581

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
392665-001	S68 Exc Bottom
392665-002	S68 Exc North Wall
392665-003	S68 Exc East Wall
392665-004	S68 Exc South Wall
392665-005	S68 Exc West Wall
392665-006	S69 Exc South Wall
392665-007	S69 Exc Bottom
392665-008	S9 Exc Bottom
392665-009	S9 Exc North Wall
392665-010	S8 Exc East Wall
392665-011	S8 Exc Bottom
392665-012	S73 Exc Bottom
392665-013	S73 Exc West Wall
392665-014	S67 Exc Bottom
392665-015	S67 Exc South Wall

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 07/13/2017 14:00 Site: Sample #: 392665-001 Client Sample #: S68 Exc Bottom Sample Type: **Analyte** Result DF MDL **RDL Units Prepared** Analyzed By **Notes** Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1180594 Lead 39.4 0.32 0.5 mg/Kg 07/17/17 07/17/17 JN 1 Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 07/13/2017 14:02 Site: Client Sample #: S68 Exc North Wall Sample #: 392665-002 Sample Type: DF **MDL RDL** Analyzed By Notes Analyte Result Units **Prepared** Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1180594 162 0.32 07/17/17 Lead 0.5 mg/Kg 07/17/17 JN Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 07/13/2017 14:04 Site: Sample #: 392665-003 Client Sample #: S68 Exc East Wall Sample Type: DF MDL **RDL** Analyzed By Notes **Analyte** Result Units **Prepared** Method: EPA 6010B NELAC QC1180594 Prep Method: EPA 3050B QCBatchID: 198 0.32 07/17/17 07/17/17 Lead 0.5 mg/Kg JN Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 07/13/2017 14:06 Site: Sample #: 392665-004 Client Sample #: S68 Exc South Wall Sample Type: Result Analyzed By Notes **Analyte** DF **MDL RDL** Units **Prepared** Method: EPA 6010B NELAC QC1180594 Prep Method: EPA 3050B QCBatchID: Lead 152 0.32 0.5 mg/Kg 07/17/17 07/17/17 JN Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 07/13/2017 14:08 Site: Client Sample #: S68 Exc West Wall Sample #: 392665-005 Sample Type: **Analyte** DF **MDL RDL** Result Units **Prepared** Analyzed By Notes Method: EPA 6010B NELAC QCBatchID: QC1180947 Prep Method: EPA 1311/3010A Lead 0.212 1 0.004 0.05 mg/L 07/26/17 07/26/17 JN EPA 6010B NELAC QC1180594 Method: Prep Method: EPA 3050B QCBatchID: Lead 274 0.32 0.5 mg/Kg 07/17/17 07/17/17 JN 1 Method: EPA 6010B NELAC Prep Method: STLC QCBatchID: QC1180882 Lead 0.12 0.15 07/24/17 07/24/17 JN 24.5 10 mg/L Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 07/14/2017 13:45 Site: Sample #: 392665-006 Client Sample #: S69 Exc South Wall Sample Type: **Analyte** Result DF **MDL RDL Units Prepared** Analyzed By Notes Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1180594 0.32 0.5 1 07/17/17 07/17/17 JN Lead 16.6 mg/Kg Method: EPA 6020 NELAC Prep Method: See Attached QCBatchID: See Attached

Matrix: Solid	Client: CES Grou	ıp, Inc.			C	ollector: Client	
Sampled: 07/14/2017 13:47	Site:						
Sample #: 392665-007	Client Sample #: S69 Exc I	Bottom			Samp	ole Type:	
Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050B					0-11-11-	QCBatchID: QC1180594
Lead	22.4	1	0.32	0.5	mg/Kg	07/17/17	07/17/17 JN
Method: EPA 6020 NELAC	Prep Method: See Attached						QCBatchID:
See Attached		1					
Matrix: Solid	Client: CES Grou	ıp, Inc.			C	ollector: Client	
Sampled: 07/14/2017 13:49	Site:						
Sample #: 392665-008	Client Sample #: S9 Exc Be	ottom			Samp	ole Type:	
Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050B					11000.00	QCBatchID: QC1180594
Lead	49.2	1	0.32	0.5	mg/Kg	07/17/17	07/17/17 JN
Matrix: Solid	Client: CES Grou	ın İnc			C	ollector: Client	
Sampled: 07/14/2017 13:50	Site:	<i>ι</i> ρ, πιο.				oneotor. Ollerit	
Sample #: 392665-009	Client Sample #: S9 Exc N	orth Wa	II		Samp	ole Type:	
Amplito				DDI			Analyzed Dy Notes
Analyte  Method: EPA 6010B NELAC	Prep Method: EPA 3050B	DF	MDL	RDL	Units	Prepared	Analyzed By Notes  QCBatchID: QC1180594
Lead	6.88	1	0.32	0.5	mg/Kg	07/17/17	07/17/17 JN
Matrix: Solid	Client: CES Grou	ıp, Inc.			C	ollector: Client	
Sampled: 07/14/2017 14:00	Site:						
Sample #: 392665-010	Client Sample #: S8 Exc E	ast wall			Samp	ole Type:	
Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050B		0.00		""	07/47/47	QCBatchID: QC1180594
Lead 	21.2	1	0.32	0.5	mg/Kg	07/17/17	07/17/17 JN
Matrix: Solid	Client: CES Grou	ıp, Inc.			C	ollector: Client	
Sampled: 07/14/2017 14:02	Site:						
Sample #: 392665-011	Client Sample #: S8 Exc Be	ottom			Samp	ole Type:	
Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050B						QCBatchID: QC1180594
Lead	149	1	0.32	0.5	mg/Kg	07/17/17	07/17/17 JN
Matrix: Solid	Client: CES Grou	ıp. Inc			C	ollector: Client	
Sampled: 07/14/2017 14:05	Site:	۰., ۱۰۱۰				- Joseph Guorit	
Sample #: 392665-012	Client Sample #: S73 Exc I	Bottom			Samp	ole Type:	
Analyte	Result	DF	MDI	וחם	Linito	Dropared	Analyzed By Motos
Method: EPA 6010B NELAC	Prep Method: EPA 3050B	חר	MDL	RDL	Units	Prepared	Analyzed By Notes  QCBatchID: QC1180594
Lead	29.6	1	0.32	0.5	mg/Kg	07/17/17	07/17/17 JN
Marketon Called	011	1				alla ata O'' t	
Matrix: Solid Sampled: 07/14/2017 14:13	Client: CES Grou	ıp, ınc.			C	ollector: Client	
Sample #: 392665-013	Client Sample #: S73 Exc \	Nest W	all		Samn	ole Type:	
	<u> </u>						
Analyte	Result CDA 2050B	DF	MDL	RDL	Units	Prepared	Analyzed By Notes
Method: EPA 6010B NELAC  Lead	Prep Method: EPA 3050B 30.3	1	0.32	0.5	mg/Kg	07/17/17	QCBatchID: QC1180594 07/17/17 JN
Leau	JU.J	- 1	0.32	υ.υ	ilig/r\g	07/17/17	OTTITIT JIN

Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 07/14/2017 14:17 Site: Sample Type: Sample #: 392665-014 Client Sample #: S67 Exc Bottom Analyzed By Notes DF **RDL Analyte** Result **MDL** Units **Prepared** 

 Method:
 EPA 6010B NELAC
 Prep Method:
 EPA 3050B
 Prep Method:
 QCBatchID:
 QC1180594

 Lead
 117
 1
 0.32
 0.5
 mg/Kg
 07/17/17
 07/17/17
 JN

Matrix: Solid Client: CES Group, Inc. Collector: Client

Sampled: 07/14/2017 14:20 Site:

Sample #: 392665-015 Client Sample #: S67 Exc South Wall Sample Type:

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050B						QCBatchl	D: QC1180594
Lead	144	1	0.32	0.5	mg/Kg	07/17/17	07/17/17	JN

QCBatchID: QC1180594	Analyst: dswafford	Method: EPA 6010B	
Matrix: Solid	<b>Analyzed:</b> 07/17/2017	Instrument: AAICP (group)	

	Blar	nk Summary	<u>'</u>			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1180594MB1						
Lead	ND	mg/Kg	0.32	0.5		

	Lab Control Sp	ike/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike	Amount	Spike	Result		Reco	veries		Limit	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1180594LCS1				•		-				,	
Lead	100		91.9		mg/Kg	92			80-120		

	Mat	trix Sp	ike/Matı	rix Spik	ke Dupli	cate Sum	mary					
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1180594MS1, QC1180594MSD1										Sc	ource:	392665-001
Lead	39.4	100	100	123	120	mg/Kg	84	81	2.5	75-125	20	

 QCBatchID:
 QC1180882
 Analyst:
 dswafford
 Method:
 EPA 6010B

 Matrix:
 Solid
 Analyzed:
 07/24/2017
 Instrument:
 AAICP (group)

	Blar	k Summar	y			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1180882MB1			•	•		
Chromium	ND	mg/L	0.006	0.03		
Lead	ND	mg/L	0.012	0.015		
Nickel	ND	mg/L	0.003	0.06		

	Mat	trix Spi	ike/Matı	rix Spik	re Dupli	cate Sum	mary					
	Sample	Spike /	Amount	Spike	Result		Reco	veries		Limit	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1180882MS1, QC1180882MSD1										Sc	ource:	392665-005
Chromium	0.139	10	10	10.5	9.54	mg/L	104	94	9.6	75-125	20	
Lead	24.5	10	10	36.3	32.8	mg/L	118	83	10.1	75-125	20	
Nickel	0.160	10	10	10.2	9.30	mg/L	100	91	9.2	75-125	20	

 QCBatchID:
 QC1180947
 Analyst:
 dswafford
 Method:
 EPA 6010B

 Matrix:
 Solid
 Analyzed:
 07/26/2017
 Instrument:
 AAICP (group)

	Blank	k Summar	у			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1180947MB1					<u> </u>	
Arsenic	ND	mg/L	0.004	0.05		
Barium	0.16 J	mg/L	0.001	0.5		
Cadmium	ND	mg/L	0.001	0.05		
Chromium	ND	mg/L	0.002	0.05		
Lead	ND	mg/L	0.004	0.05		
Selenium	ND	mg/L	0.004	0.05		
Silver	ND	mg/L	0.001	0.05		

Lab Con	trol Sp	ike/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1180947LCS1			•	•							
Arsenic	2		2.18		mg/L	109			80-120		
Barium	2		2.21		mg/L	111			80-120		
Cadmium	2		1.981		mg/L	99			80-120		
Chromium	2		1.844		mg/L	92			80-120		
Lead	2		1.921		mg/L	96			80-120		
Selenium	2		2.22		mg/L	111			80-120		
Silver	2		2.01		mg/L	101			80-120		

	Mat	trix Sp	ike/Mat	rix Spik	re Dupli	icate Sum	mary					
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1180947MS1, QC1180947MSD1									•	Sc	ource:	392805-001
Arsenic	ND	1	1	1.106	1.074	mg/L	111	107	2.9	75-125	20	
Barium	0.22	1	1	1.21	1.20	mg/L	99	98	8.0	75-125	20	
Cadmium	0.002	1	1	0.953	0.943	mg/L	95	94	1.1	75-125	20	
Chromium	0.010	1	1	0.942	0.926	mg/L	93	92	1.7	75-125	20	
Lead	0.020	1	1	0.970	0.930	mg/L	95	91	4.2	75-125	20	
Selenium	ND	1	1	1.130	1.063	mg/L	113	106	6.1	75-125	20	
Silver	ND	1	1	1.008	0.988	mg/L	101	99	2.0	75-125	20	

#### **Data Qualifiers and Definitions**

#### **Qualifiers**

A See Report Comments.

**B** Analyte was present in an associated method blank.

B1 Analyte was present in a sample and associated method blank greater than MDL but less than RDL.

**BQ1** No valid test replicates. Sample Toxicity is possible. Best result was reported.

BQ2 No valid test replicates.

**BQ3** No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.

C Possible laboratory contamination.

D RPD was not within control limits. The sample data was reported without further clarification.

**D1** Lesser amount of sample was used due to insufficient amount of sample supplied.

P2 Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.

Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.

**DW** Sample result is calculated on a dry weigh basis.

E Concentration is estimated because it exceeds the quantification limits of the method.

I The sample was read outside of the method required incubation period.

J Reported value is estimated

L The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample

data was reported with qualifier.

M The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated

LCS and/or LCSD was within control limits and the sample data was reported without further clarification.

M1 The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.

M2 The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not

within control limits. Sample result is estimated.

N1 Sample chromatography does not match the specified TPH standard pattern.

NC The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not

apply

P Sample was received without proper preservation according to EPA guidelines.

P1 Temperature of sample storage refrigerator was out of acceptance limits.

Par Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended

due to potential loss of target analytes. Results may be biased low.

Q1 Analyte Calibration Verification exceeds criteria. The result is estimated.

Q2 Analyte calibration was not verified and the result was estimated.

Q3 Analyte initial calibration was not available or exceeds criteria. The result was estimated.

S The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery

was within control limits and the sample data was reported without further clarification.

The sample was preserved within 24 hours of collection in accordance with EPA 218.6.

S1 The associated surrogate recovery was out of control limits; result is estimated.

S2 The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate

recoveries in the associated batch QC met recovery criteria.

S3 Internal Standard did not meet recovery limits. Analyte concentration is estimated.

T Sample was extracted/analyzed past the holding time.

T1 Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).

T2 Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.

T3 Sample received and analyzed out of hold time per client's request.

**T4** Sample was analyzed out of hold time per client's request.

T5 Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.

T6 Hold time is indeterminable due to unspecified sampling time.

T7 Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

#### **Definitions**

**P2** 

**DF** Dilution Factor

MDL Method Detection Limit. Result is reported ND when it is less than or equal to MDL.

ND Analyte was not detected or was less than the detection limit.

NR Not Reported. See Report Comments.

RDL Reporting Detection Limit

TIC Tentatively Identified Compounds



ENTHAL	ENTHALPHY ANALYTICAL, INC.	1			Chain of Custody Record	dy Reco	rd D	Turi	Around T	Time (Rus	h by advan	Turn Around Time (Rush by advanced notice only)
806 N. B	806 N. Batavia St., Orange, CA 92868	4		Lab No:	3920	500		Standard:		4 Day:		3 Day:
Phone: (714	Phone: (714) 771-6900 Fax: (714)771-9933	1		Page:	1	of	2	2 Day:		1 Day:	×	Same Day:
Billing: Enthalpy - SoCal	- SoCal		THAID		Matrix: A = Ai		0.0	ater	Droc	Drocomativoe	1 - N - N	2 = HCl 3 = HNO.
c/o Montrose Ei	c/o Montrose Environmental Group	מם	analytical, inc.		oduct	S = Solid SeaW	11	L = Liquid = Sea Water	2	$4 = H_2 SO_4$	0 <sub>4</sub> 5 = NaOH	6 = Othe
1 Park Plaza, Sui	1 Park Plaza, Suite 1000, Irvine, CA 92614			IS	SW = Swab W = Water		WP = Wipe 0	0 = Other				
Ö	CUSTOMER INFORMATION		PR	PROJECT INFO	NEORMATION			Analysis Request	equest		Test Instru	Test Instructions / Comments
Company:	CES Group		Name:	Grant HS				200				
Report To:	Skye Green		Number:				(8					
Email:	sgreen@cesgroup.co		P.O.#:	27016			180		(A.			
Address:	33353 Temecula Pkwy , Ste 104 #333		Address:	13000 Oxnard St	rd St.		8) sə	-50	T/b/			
	Temecula, CA 92592			Los Angeles, CA 91335	, CA 91335		oisits		708			
Phone:	714-398-6363		Global ID:					e uo	09) s			
Fax:	951-848-9812		Sampled By:	D. Baysa		1001	0209	(809)				
	O o o o o o o o o o o o o o o o o o o o	Sampling	Sampling	Matrix		Day	(603) b sinic (6 sinoch	л <b>у</b> фко	N 22 s			
	Sample ID	Date	Time	MIGELLA	No. / Size		9s1A	Pet	-			
1 S68 Exc Bottom	tom:	07/13/17	7 14:00 PM	S N	1/802		×			_		
2 S68 Exc North Wall	rth Wall	07/13/17	7 14:02 PM	S	1/80z		×					
3 S68 Exc East Wall	t Wall	07/13/17	7 14:04 PM	S	1/80z		×					
4 S68 Exc South Wall	ıth Wall	07/13/17	7 14:06 PM	S	1/8oz		×					
5 S68 Exc West Wall	st Wall	07/13/17	7 14:08 PM	S	1/8oz		×					
9												
7												
00												
6												
10												
	Sig	Signature		В	Print Name			Company	/ Title		Da	Date / Time
<sup>1</sup> Relinquished By:	d By:	0		Ď	Danny Baysa		CES G	Group/ Field	d Supervisor	or 7	17/71	SAFO
<sup>1</sup> Received By:	THE THE PERSON TO THE PERSON T	370	lan /	Inle	atherman	A		EA		0	7/15/1	7 940
<sup>2</sup> Relinquished By:	d By:									1		
<sup>2</sup> Received By:	.;					1				1		
<sup>3</sup> Relinquished By:	d By:					1						
<sup>3</sup> Received By:	7.					1				1		

L	ENTHAL	ENTHALPHY ANALYTICAL, INC.	h			5	Chain of Custody Record	ody Reco	ord		Tu	Turn Around	und Ti	ne (Rus	h by adva	Time (Rush by advanced notice only)	(Vlu
	806 N. Ba	806 N. Batavia St., Orange, CA 92868	<i>a</i> ,		La	Lab No:	397665	265		UI.	Standard:	2.2		4 Day:		3 Day:	
	Phone: (714) 771-6900	771-6900 Fax: (714)771-9933	~		P	Page:	2	of	2	(4	2 Day:			1 Day:	×	Same Day:	
Billi	Billing: Enthalpy - SoCal	- SoCal					<t< td=""><td>19</td><td>DW = Drinking Water</td><td>g Water</td><td>- 7</td><td></td><td>Droco</td><td>Dracarustivae.</td><td>1 = Na.S.O.</td><td>2 = HCl</td><td>Z = HNO.</td></t<>	19	DW = Drinking Water	g Water	- 7		Droco	Dracarustivae.	1 = Na.S.O.	2 = HCl	Z = HNO.
0/0	Montrose En	c/o Montrose Environmental Group	and and	analytical, inc	<b>■</b> 0	PP = P		S = Solid SeaW	SeaW		Water		200	4 = H <sub>2</sub> SO <sub>4</sub>	04 5 = NaOH	6 = Othe	)
T D	ark Plaza, Suit	1 Park Plaza, Suite 1000, Irvine, CA 92614	-		-	SW =	SW = Swab W = Wo	W = Water WP = Wipe	= Wipk	_	U = Other	-		1			١
	CL	CUSTOMER INFORMATION		Д	PROJECT	-	NFORMATION			4	Analysis	Analysis Request			Test Inst	Test Instructions / Comments	ents
Con	Company:	CES Group		Name:	Grant HS	HS					205						
Rep	Report To:	Skye Green		Number:							108						
Email:	ail:	sgreen@cesgroup.co		P.O.#:	27016					100	lio,l9	(∀.					
Ado	Address:	33353 Temecula Pkwy , Ste 104 #333	14 #333	Address:	13000	13000 Oxnard St.	ن				səib,	T./ t/					
		Temecula, CA 92592			Los Angeles,	geles, CA	CA 91335				se3 s	/80T					
Pho	Phone:	714-398-6363		Global ID:					(	94 9t		09) s					
Fax:	1.1	951-848-9812		Sampled By:	D. Baysa	sa				niorir							
		Sample ID	Sampling Date	g Sampling Time		Matrix	Container No. / Size	Pres.	Lead (60: Arsenic (	Organoc	VOCs (82	PCBs (80		ногр			
12	S69 Exc South Wall	th Wall	07/14/17	7 13:45 PM	Md	S	1/80z		×								
7	S69 Exc Bottom	шо	07/14/17	.7 13:47 PM	M M	S	1/802		×								
m	S9 Exc Bottom	ш	07/14/17	.7 13:49 PM	PM	S	1/80z		×								
4	S9 Exc North Wall	ı Wall	07/14/17	.7 13:50 PM	PM	S	1/80z		×								
rO	S8 Exc East Wall	Wall	07/14/17	.7 14:00 PM	PM	S	1/8oz		×								
9	S8 Exc Bottom	m	07/14/17	.7 14:02 PM	PM	S	1/8oz		×								
7	S73 Exc Bottom	mo:	07/14/17	.7 14:05 PM	PM	S	1/8oz		×								
00	S73 Exc West Wall	st Wall	07/14/17	.7 14:13 PM	PM	S	1/802		×								
D	S67 Exc Bottom	mo:	07/14/17	.7 14:17 PM	PM	S	1/802		×								
10	S67 Exc South Wall	th Wall	07/14/17	.7 14:20 PM	PM	S	1/8oz		×		-						
		8	Signature			Print	Print Name			Ü	Company	y / Title	е			Date / Time	
E C	Relinquished By:	4 By:	200			Dann	Danny Baysa		C	CES Gro	Group/ Field	eld Sup	Supervisor	_ (	118/11	CALC.	
T B	<sup>1</sup> Received By:	444 I	X 1/2	Lee	Pal	Cott	otherman	7			D			0	11115/	12 94	
2 R	<sup>2</sup> Relinquished	d By:	)														
2 R	<sup>2</sup> Received By:													+			
3 R	<sup>3</sup> Relinquished By:	d By:															
3	<sup>3</sup> Received By:	2.5												1			



### SAMPLE ACCEPTANCE CHECKLIST

Section 1		/		
Client: CES Group	roject: Grant 1	45/L/	AUS	D
Date Received: 07/15/17 S	ampler's Name Present	Tyes I No	1	
	No (skip section 2) S			3.3
Sample Temp (°C) from each cooler: #1: #				
(Acceptance range is 0 to 6°C or, for samples collected the same day as sample r				or samples
collected the same day as sample				
Shipping Information:				
Section 2				
Was the cooler packed with: Ice Ice Packs	Bubble Wrap	Styrofoa	am	
PaperNone Cooler Temp (°C): #1: <u>0.8</u> #2:	#3:	#4:		
Section 3		YES	NO	N/A
Was a COC received?		X	140	14/7
Are sample IDs present?		X		
Are sampling dates & times present?		X		
Is a relinquished signature present?		X		
Are the tests required clearly indicated on the COC?		1		
Are custody seals present?			X	
If custody seals are present, were they intact?				V
Are all samples sealed in plastic bags? Recommended for M	Aicrobiology samples)			X
Did all samples arrive intact? If no, indicate in Section 4 bel	ow.	X		
Did all bottle labels agree with COC? (ID, dates and times)		T X		
Were the samples collected in the correct containers for th	e required tests?	×		
Are the containers labeled with the correct preservat	ives?			X
Is there headspace in the VOA vials greater than 5-6 mm in	diameter?			X
Was a sufficient amount of sample submitted for the reque	sted tests?	K		
Section 4 Explanations/Comments				
Section 5				
For discrepancies, how was the Project Manager notified?	Verbal PM Initials:	Date	/Time	
To discrepances, now was the Project Wanager Hothica.	Email (email sent to			
Project Manager's response:	(chairsein to		/	
Completed By Allee D	ate: 07/15/17			

Enthalpy Analytical, a subsidiary of Montrose Environmental Group ,Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209

www.enthalpy.com/socal

Sample Acceptance Checklist – Rev 2.5, 4/25/2017

From: Skye Green

**Sent:** Wednesday, July 19, 2017 11:49 AM

To: 'Ranjit Clarke'

Subject: RE: Grant HS (07/13/17 - 07/14/17) - Enthalpy Analytical Final Report #392665

We are ok with normal TAT because we have some more samples to collect and send you.

#### Skye Green, P.E.

CES Group, Inc. CES/Novacom/ERG 951-808-8585 office 714-398-6363 mobile 951-848-9812 fax sgreen@cesgroup.co www.cesgroup.co



From: Ranjit Clarke [mailto:Ranjit.Clarke@enthalpy.com]

**Sent:** Wednesday, July 19, 2017 11:20 AM **To:** Skye Green <sgreen@cesgroup.co>

Subject: Re: Grant HS (07/13/17 - 07/14/17) - Enthalpy Analytical Final Report #392665

Will do. Rush TAT (results on Monday)?

On Wed, Jul 19, 2017 at 11:18 AM Skye Green < sgreen@cesgroup.co > wrote:

#### Ranjit,

Please run the STLC and TCLP analysis on the highest result (S68 Exc West Wall).

Thanks,

#### Skye Green, P.E.

CES Group, Inc.

CES/Novacom/ERG

951-808-8585 office

714-398-6363 mobile

951-848-9812 fax



# Calscience



# **WORK ORDER NUMBER: 17-07-0959**

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

**Analytical Report For** 

Client: Enthalpy Analytical, Inc.

Client Project Name: 392665

**Attention:** Ranjit Clarke

931 W. Barkley Avenue Orange, CA 92868-1208

ResultLink >

Email your PM >

Approved for release on 07/18/2017 by:

Xuan Dang Project Manager

Sheila Luu for

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.



# **Contents**

Client Project Name: 392665 Work Order Number: 17-07-0959

Work Orac	A Name of the Control	
1	Work Order Narrative	3
2	Sample Summary	2
3	Detections Summary	5
4	Client Sample Data	6
5	Quality Control Sample Data.  5.1 MS/MSD.  5.2 PDS/PDSD.  5.3 LCS/LCSD.	7 8
6	Glossary of Terms and Qualifiers	10
7	Chain-of-Custody/Sample Receipt Form	11



### **Work Order Narrative**

Work Order: 17-07-0959 Page 1 of 1

### **Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 07/17/17. They were assigned to Work Order 17-07-0959.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

### **Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

### **Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

### **Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

### **Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



## **Sample Summary**

Client:	Enthalpy Analytical, Inc.	Work Order:	17-07-0959
	931 W. Barkley Avenue	Project Name:	392665
	Orange, CA 92868-1208	PO Number:	392665
		Date/Time Received:	07/17/17 15:31
		Number of Containers:	2

Attn: Ranjit Clarke

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
S69 Exc South Wall (392665-006)	17-07-0959-1	07/14/17 13:45	1	Solid
S69 Exc Bottom (392665-007)	17-07-0959-2	07/14/17 13:47	1	Solid



## **Detections Summary**

Client: Enthalpy Analytical, Inc.

931 W. Barkley Avenue Orange, CA 92868-1208 Work Order:

17-07-0959

Project Name:

392665

Received:

07/17/17

Attn: Ranjit Clarke

Page 1 of 1

Client SampleID								
<u>Analyte</u>	Result	<b>Qualifiers</b>	<u>RL</u>	<u>Units</u>	<u>Method</u>	<b>Extraction</b>		
000 Far Oarth Well (00000F 000) (47 07 0	050.4\							
S69 Exc South Wall (392665-006) (17-07-0	959-1)							
Arsenic	17.5		1.00	mg/kg	EPA 6020	EPA 3050B		
S69 Exc Bottom (392665-007) (17-07-0959-2)								
Arsenic	17.9		1.00	mg/kg	EPA 6020	EPA 3050B		

Subcontracted analyses, if any, are not included in this summary.



Arsenic

## **Analytical Report**

Enthalpy Analytical, Inc. Date Received: 07/17/17 931 W. Barkley Avenue Work Order: 17-07-0959 **EPA 3050B** Orange, CA 92868-1208 Preparation: Method: EPA 6020 Units: mg/kg

Page 1 of 1 Project: 392665

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S69 Exc South Wall (392665-006)	17-07-0959-1-A	07/14/17 13:45	Solid	ICP/MS 03	07/17/17	07/18/17 13:17	170717L01
Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.							

<u>MDL</u> <u>DF</u> Result <u>RL</u> Qualifiers <u>Parameter</u> 17.5 1.00 0.389 1.00 Arsenic

S69 Exc Botto	m (392665-007)	17-07-0959-2-A	07/14/17 13:47	Solid	ICP/MS 03	07/17/17	07/18/17 13:20	170717L01
Comment(s):	- Results were evaluate	ed to the MDL (DL), cond	entrations >=	to the MDL	(DL) but < RL (LOC	(a), if found, are	e qualified with a	"J" flag.
<u>Parameter</u>		<u>Resu</u>	<u>lt</u>	<u>RL</u>	<u>MDL</u>	<u>DF</u>	<u>C</u>	<u>Qualifiers</u>
Arsenic		17.9		1.00	0.389	1.00		

Method Blank	099-15-621-1499	N/A	Solid ICF	P/MS 03 07/1		7/17/17 7:06	170717L01
Comment(s):	- Results were evaluated to the MDL (DL), con-	centrations >= to	the MDL (DL) bu	t < RL (LOQ), if for	ound, are qua	alified with a "J	flag.
Parameter	Resu	ılt RL	_	MDL	DF	Qua	lifiers

1.00

0.389

1.00

ND





## **Quality Control - Spike/Spike Duplicate**

Enthalpy Analytical, Inc.

931 W. Barkley Avenue

Orange, CA 92868-1208

Preparation:

Method:

Date Received:

07/17/17

17-07-0959

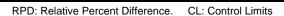
Preparation:

EPA 3050B

EPA 6020

Project: 392665 Page 1 of 1

Quality Control Sample ID	Type		Matrix	Ir	nstrument	Date Prepared	Date Ana	lyzed	MS/MSD Bat	ch Number
17-07-0174-5	Sample		Sedimen	t I	CP/MS 03	07/17/17	07/17/17	17:57	170717S01A	
17-07-0174-5	Matrix Spike		Sedimen	t I	CP/MS 03	07/17/17	07/17/17	17:50	170717S01A	
17-07-0174-5	Matrix Spike Du	uplicate	Sedimen	t I	CP/MS 03	07/17/17	07/17/17	17:52	170717S01A	
Parameter		<u>Spike</u> Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Arsenic	2.599	25.00	28.87	105	28.83	105	80-120	0	0-20	





## **Quality Control - PDS**

Enthalpy Analytical, Inc.

931 W. Barkley Avenue

Orange, CA 92868-1208

Preparation:

EPA 3050B

Method:

EPA 6020

Project: 392665 Page 1 of 1

Quality Control Sample ID	Туре	N	//atrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
17-07-0174-5	Sample	S	Sediment	ICP/MS 03	07/17/17 00:00	07/17/17 17:57	170717S01A
17-07-0174-5	PDS	S	Sediment	ICP/MS 03	07/17/17 00:00	07/17/17 17:55	170717S01A
<u>Parameter</u>		Sample Conc.	Spike Added	PDS Conc.	PDS %Re	ec. %Rec. C	<u>CL</u> <u>Qualifiers</u>
Arsenic		2.599	25.00	28.12	102	75-125	



## **Quality Control - LCS**

 Enthalpy Analytical, Inc.
 Date Received:
 07/17/17

 931 W. Barkley Avenue
 Work Order:
 17-07-0959

 Orange, CA 92868-1208
 Preparation:
 EPA 3050B

 Method:
 EPA 6020

 Project: 392665
 Page 1 of 1

Quality Control Sample ID	Туре	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-621-1499	LCS	Solid	ICP/MS 03	07/17/17	07/17/17 17:09	170717L01
<u>Parameter</u>		Spike Added	Conc. Recover	red LCS %R	ec. %Rec	. CL Qualifiers
Arsenic		25.00	23.67	95	80-12	0



## **Glossary of Terms and Qualifiers**

Work Order: 17-07-0959 Page 1 of 1

	-
<b>Qualifiers</b>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
В	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.

- SG The sample extract was subjected to Silica Gel treatment prior to analysis.
- X % Recovery and/or RPD out-of-range.
- Z Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.



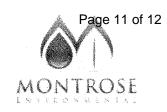
# **Enthalpy Analytical**

Formerly Associated Labs 1 Park Plaza, Suite 1000

Irvine, CA 92614

Tel: 714.771.6900 Fax: 714.538.1209

info-sc@enthalpy.com



### **Subcontract Laboratory:**

Eurofins CalScience - Sub 7440 Lincoln Way Garden Grove, CA 92841

ATTN: Xuan Dang PO# 392665

Note:

1

Project: 392665 Due: 07/18/17

PM: Ranjit Clarke

Email: ranjit.clarke@enthalpy.com CC: incomingreports@enthalpy.com

Require:

☑ EDD ☐ EDF ☐ EDT

Report To:

✓ MDL

17-07-0959

Matrix	Sampled	Sample ID	Analysis	Comment
Solid	07/14/17 13:45	S69 Exc South Wall (392665-006)	6020 Out	As only
Solid	07/14/17 13:47	S69 Exc Bottom (392665-007)	6020 Out	As only
Note: Arsenic only	y	Reling	gylished By	Received By:
24hr TAT		Date/I	Fime 717 17 14:55	Pate/Time 1 11/17 1458
		Date/⊺	Time 🕏	Date/Time
			1/17/17 153	1 Slave 07/17/17 153/



Calscience

WORK ORDER NUMBER: 17-07- 09-59

# SAMPLE RECEIPT CHECKLIST

COOLER OF

CLIENT: Enthalpy	DATE: 07	117	/ 2017
TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)  Thermometer ID: SC6 (CF: +0.2°C); Temperature (w/o CF): S·C °C (w/ CF): S·7  □ Sample(s) outside temperature criteria (PM/APM contacted by:)  □ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling □ Sample(s) received at ambient temperature; placed on ice for transport by courier Ambient Temperature: □ Air □ Filter			
CUSTODY SEAL:  Cooler			300
SAMPLE CONDITION:  Chain-of-Custody (COC) document(s) received with samples  COC document(s) received complete  Sampling date Sampling time Matrix Number of containers	_	No	N/A
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished  Sampler's name indicated on COC  Sample container label(s) consistent with COC		7 	,a
Sample container(s) intact and in good condition  Proper containers for analyses requested			_ _ _
Sufficient volume/mass for analyses requested Samples received within holding time Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen			
□ Volatile Organics □ Total Metals □ Dissolved Metals  Container(s) for certain analysis free of headspace  □ Volatile Organics □ Dissolved Gases (RSK-175) □ Dissolved Oxygen (SM 4500)	🗖		
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)  Tedlar™ bag(s) free of condensation			4
CONTAINER TYPE:  Aqueous: □ VOA □ VOAh □ VOAna₂ □ 100PJ □ 100PJna₂ □ 125AGB □ 125AGBh □ □ 125PBznna □ 250AGB □ 250CGB □ 250CGBs □ 250PB □ 250PBn □ 500AGB □ 50 □ 500PB □ 1AGB □ 1AGBna₂ □ 1AGBs □ 1PB □ 1PBna □ □ □ □ □ Solid: □ 4ozCGJ □ 8ozCGJ □ 16ozCGJ □ Sleeve () □ EnCores® () □ TerraCc Air: □ Tedlar™ □ Canister □ Sorbent Tube □ PUF □ □ Other Matrix (  Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziplo Preservative: b = buffered, f = filtered, h = HCl, n = HNO₃, na = NaOH, na₂ = Na₂S₂O₃, p = H₃PO₄, Laster □ Sorbent Tube □ PUF □ □ Container: A = Amber, B = Bottle, C = Clear, E = Envelope, G = Glass, J = Jar, P = Plastic, and Z = Ziplo	125AGBp	125PB AGJ <b>s</b>  	
$\mathbf{s} = H_2SO_4$ , $\mathbf{u} = \text{ultra-pure}$ , $\mathbf{x} = Na_2SO_3 + NaHSO_4$ , $H_2O_3$ , $\mathbf{znna} = Zn (CH_3CO_2)_2 + NaOH$	Reviewe	d by:	096



## **Enthalpy Analytical, LLC**

931 W. Barkley Ave - Orange, CA 92868 Tel: (714)771-6900 Fax: (714)538-1209 www.enthalpy.com info-sc@enthalpy.com

Client: CES Group, Inc.

Address: 33353 Temecula Pkwy.

Suite 104 #333

Temecula, CA 92592

Attn: Skye Green

Comments: Grant HS

PO# 27016

13000 Oxnard St., Los Angeles, CA 91335

See attached report for EPA 6020 results.



Lab Request: 392847
Report Date: 07/24/2017
Date Received: 07/21/2017
Client ID: 15581

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
392847-001	S73 EXC North Wall
392847-002	S69 EXC South Wall
392847-003	S69 EXC Bottom
392847-004	S67 EXC West Wall
392847-005	S67 EXC South Wall
392847-006	S68 EXC North Wall
392847-007	S68 EXC South Wall
392847-008	S68 EXC East Wall
392847-009	S68 EXC West Wall

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.



Matrix: Solid	Client: CES Group,	Inc.		Colle	ector: Client		
Sampled: 07/21/2017 11:35 Sample #: 392847-001	Site: Client Sample #: S73 EXC No	rth Wall		Sample 1	Type:		
Sample #. <u>392047-001</u>	Cilett Sample #. 373 LAC NO	itti vvali		Sample	туре.		
Analyte		DF R	RDL	Units	Prepared		By Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050B	4	0.5		07/04/47	QCBatchID	
Lead	37.6	1 (	0.5	mg/Kg	07/24/17	07/24/17	JN
Matrix: Solid	Client: CES Group,	Inc.		Colle	ector: Client		
Sampled: 07/21/2017 11:45	Site:						
Sample #: 392847-002	Client Sample #: S69 EXC So	uth Wall		Sample '	Туре:		
Analyte	Result	DF R	RDL	Units	Prepared	Analyzed	By Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050B				•	QCBatchID	
Lead	7.25	1 (	0.5	mg/Kg	07/24/17	07/24/17	JN
Method: EPA 6020 NELAC	Prep Method: See Attached					QCBatchID	:
See Attached		1					
Matrix: Solid	Client: CES Group,	Inc.		Colle	ector: Client		
Sampled: 07/21/2017 11:55	Site:			00110	Julia Suom		
Sample #: 392847-003	Client Sample #: S69 EXC Bo	ttom		Sample	Type:		
Analyte	Result	DF R	RDL	Units	Dropared	Analyzad	By Notes
Analyte Method: EPA 6010B NELAC	Prep Method: EPA 3050B	וט יוט	\DL	OHIIG	Prepared		By Notes : QC1180841
Lead	4.33	1 (	0.5	mg/Kg	07/24/17	07/24/17	JN
Method: EPA 6020 NELAC	Prep Method: See Attached					QCBatchID	
See Attached		1					
	011 4 050 0			0.11	1 0" 1		
Matrix: Solid	Client: CES Group, Site:	Inc.		Colle	ector: Client		
Sampled: 07/21/2017 11:25 Sample #: 392847-004	Client Sample #: S67 EXC We	et Wall		Sample 1	Tyne:		
Oampie #. <u>952041-964</u>	Onent Gample #: OUT EXO WE	.st wan		Gample	турс.		
Analyte		DF R	RDL	Units	Prepared		By Notes
Method: EPA 6010B NELAC  Lead	Prep Method: EPA 3050B 51.3	1 (	0.5	mg/Kg	07/24/17	QCBatchID 07/24/17	: QC1180841 JN
Leau	51.3	1	0.5	ilig/Kg	07724717	07/24/17	JIN
Matrix: Solid	Client: CES Group,	Inc.		Colle	ector: Client		
Sampled: 07/21/2017 11:15	Site:						
Sample #: 392847-005	Client Sample #: S67 EXC So	uth Wall		Sample '	Туре:		
Analyte	Result	DF R	RDL	Units	Prepared	Analyzed	By Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050B						: QC1180841
Lead	208	1 (	0.5	mg/Kg	07/24/17	07/24/17	JN
Matrix: Solid	Client: CES Group,	Inc		Colle	ector: Client		
Sampled: 07/21/2017 12:05	Site:			Cont	Julia Julia		
Sample #: 392847-006	Client Sample #: S68 EXC No	rth Wall		Sample	Type:		
Analyta			וחפ			Analyzad	Pv. Notes
Analyte Method: EPA 6010B NELAC	Result Prep Method: EPA 3050B	DF R	RDL	Units	Prepared		By Notes : QC1180841
Lead	128	1 (	0.5	mg/Kg	07/24/17	07/24/17	JN
Matrix: Solid	Client: CES Group,	Inc.		Colle	ector: Client		
Sampled: 07/21/2017 12:15 Sample #: 392847-007	Site:	uth Wall		Sample	Type:		
Sample #. <u>332047-007</u>	Client Sample #: S68 EXC So	uui VVali		Sample 1	ı ype.		
Analyte		DF R	RDL	Units	Prepared		By Notes
Method: EPA 6010B NELAC	Prep Method: EPA 3050B	4	0.5		07/04/47		: QC1180841
Lead	63.0	1 (	0.5	mg/Kg	07/24/17	07/24/17	JN



Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 07/21/2017 12:20 Site: Sample #: 392847-008 Client Sample #: S68 EXC East Wall Sample Type: Analyzed By Notes DF **RDL Analyte** Result Units **Prepared** Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1180841 07/24/17 07/24/17 Lead 31.9 1 0.5 mg/Kg JN Client: CES Group, Inc. Matrix: Solid Collector: Client Sampled: 07/21/2017 12:25 Site: Sample #: 392847-009 Client Sample #: S68 EXC West Wall Sample Type: **Analyte** Result DF **RDL** Units **Prepared** Analyzed By Notes Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1180841 Lead 186 1 0.5 mg/Kg 07/24/17 07/24/17 JN

 QCBatchID:
 QC1180841
 Analyst:
 dswafford
 Method:
 EPA 6010B

 Matrix:
 Solid
 Analyzed:
 07/24/2017
 Instrument:
 AAICP (group)

	Blan	k Summary			
	Blank				
Analyte	Result	Units	RDL	Notes	
QC1180841MB1		,			
Antimony	ND	mg/Kg	3		
Arsenic	ND	mg/Kg	1		
Barium	ND	mg/Kg	1		
Beryllium	ND	mg/Kg	0.5		
Cadmium	ND	mg/Kg	0.5		
Chromium	ND	mg/Kg	1		
Cobalt	ND	mg/Kg	0.5		
Copper	ND	mg/Kg	1		
Lead	ND	mg/Kg	0.5		
Molybdenum	ND	mg/Kg	1		
Nickel	ND	mg/Kg	1.5		
Selenium	ND	mg/Kg	1		
Silver	ND	mg/Kg	0.5		
Thallium	ND	mg/Kg	1		
Vanadium	ND	mg/Kg	0.5		
Zinc	ND	mg/Kg	5		

Lab Cont	trol Spil	ke/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike A	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1180841LCS1											
Antimony	100		97.6		mg/Kg	98			80-120		
Arsenic	100		94.5		mg/Kg	95			80-120		
Barium	100		90.5		mg/Kg	91			80-120		
Beryllium	100		93.9		mg/Kg	94			80-120		
Cadmium	100		94.9		mg/Kg	95			80-120		
Chromium	100		94.2		mg/Kg	94			80-120		
Cobalt	100		97.3		mg/Kg	97			80-120		
Copper	100		91.2		mg/Kg	91			80-120		
Lead	100		93.8		mg/Kg	94			80-120		
Molybdenum	100		96.9		mg/Kg	97			80-120		
Nickel	100		95.7		mg/Kg	96			80-120		
Selenium	100		92.2		mg/Kg	92			80-120		
Silver	100		87.5		mg/Kg	88			80-120		
Thallium	100		96.7		mg/Kg	97			80-120		
Vanadium	100		92.3		mg/Kg	92			80-120		
Zinc	100		95.7		mg/Kg	96			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1180841MS1, QC1180841MSD1						•	•		•	Sc	urce:	392756-051
Antimony	ND	100	100	41.6	35.8	mg/Kg	42	36	15.0	75-125	20	М
Arsenic	3.26	100	100	117	102	mg/Kg	114	99	13.7	75-125	20	
Barium	191	100	100	316	318	mg/Kg	125	127	0.6	75-125	20	M
Beryllium	ND	100	100	104	101	mg/Kg	104	101	2.9	75-125	20	
Cadmium	0.35	100	100	116	103	mg/Kg	116	103	11.9	75-125	20	
Chromium	16.7	100	100	129	122	mg/Kg	112	105	5.6	75-125	20	
Cobalt	8.64	100	100	130	107	mg/Kg	121	98	19.4	75-125	20	
Copper	12.5	100	100	122	108	mg/Kg	110	96	12.2	75-125	20	
Lead	46.3	100	100	165	171	mg/Kg	119	125	3.6	75-125	20	

Enthalpy Analytical, LLC

Matrix: Solid	Analyzed:	07/24/2	2017	Instru	ument: A	AICP (group)	)					
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1180841MS1, QC1180841MSD1										So	ource:	392756-051
Molybdenum	ND	100	100	106	94.5	mg/Kg	106	95	11.5	75-125	20	
Nickel	11.6	100	100	121	108	mg/Kg	109	96	11.4	75-125	20	
Selenium	ND	100	100	71.2	57.7	mg/Kg	71	58	20.9	75-125	20	M
Silver	0.54	100	100	103	92.7	mg/Kg	102	92	10.5	75-125	20	
Thallium	ND	100	100	101	89.3	mg/Kg	101	89	12.3	75-125	20	
Vanadium	25.1	100	100	132	120	mg/Kg	107	95	9.5	75-125	20	
Zinc	62.9	100	100	183	164	ma/Ka	120	101	11 0	75-125	20	

Method: EPA 6010B

Analyst: dswafford

QCBatchID: QC1180841

### **Data Qualifiers and Definitions**

### **Qualifiers**

A See Report Comments.

**B** Analyte was present in an associated method blank.

B1 Analyte was present in a sample and associated method blank greater than MDL but less than RDL.

**BQ1** No valid test replicates. Sample Toxicity is possible. Best result was reported.

BQ2 No valid test replicates.

**BQ3** No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.

C Possible laboratory contamination.

D RPD was not within control limits. The sample data was reported without further clarification.

D1 Lesser amount of sample was used due to insufficient amount of sample supplied.

Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
 Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.

**DW** Sample result is calculated on a dry weigh basis.

E Concentration is estimated because it exceeds the quantification limits of the method.

I The sample was read outside of the method required incubation period.

J Reported value is estimated

L The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample

data was reported with qualifier.

M The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated

 ${\tt LCS} \ and/or \ {\tt LCSD} \ was \ within \ control \ limits \ and \ the \ sample \ data \ was \ reported \ without \ further \ clarification.$ 

M1 The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.

M2 The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not

within control limits. Sample result is estimated.

N1 Sample chromatography does not match the specified TPH standard pattern.

NC The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not

apply

P Sample was received without proper preservation according to EPA guidelines.

P1 Temperature of sample storage refrigerator was out of acceptance limits.

P2 The sample was preserved within 24 hours of collection in accordance with EPA 218.6.

P3 Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended

due to potential loss of target analytes. Results may be biased low.

Q1 Analyte Calibration Verification exceeds criteria. The result is estimated.

Q2 Analyte calibration was not verified and the result was estimated.

Q3 Analyte initial calibration was not available or exceeds criteria. The result was estimated.

S The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery

was within control limits and the sample data was reported without further clarification.

S1 The associated surrogate recovery was out of control limits; result is estimated.

S2 The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate

recoveries in the associated batch QC met recovery criteria.

S3 Internal Standard did not meet recovery limits. Analyte concentration is estimated.

T Sample was extracted/analyzed past the holding time.

T1 Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).

T2 Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.

T3 Sample received and analyzed out of hold time per client's request.

T4 Sample was analyzed out of hold time per client's request.

T5 Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.

T6 Hold time is indeterminable due to unspecified sampling time.

T7 Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

### **Definitions**

**DF** Dilution Factor

MDL Method Detection Limit. Result is reported ND when it is less than or equal to MDL.

ND Analyte was not detected or was less than the detection limit.

NR Not Reported. See Report Comments.

RDL Reporting Detection Limit

TIC Tentatively Identified Compounds



ENTHAL	ENTHALPY ANALYTICAL, INC.	- h			Chain of Custody Record	dy Reco	brd	Turn	Around Tin	e (Rush b	y advance	Turn Around Time (Rush by advanced notice only)
931 W. Ba	931 W. Barkley Ave, Orange, CA 92868	41		Lab No:	392	178	4	Standard:		4 Day:	3	3 Day:
Phone: (714) 771-6900	771-6900 Fax: (714)771-9933	· ·	10	Page:		of		2 Day:		1 Day:	7	Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environm	Billing: Enthalpy - SoCal c/o Montrose Environmental Group	A C C C C C C C C C C C C C C C C C C C	ENTHALPY analytical, inc.	í	4	FS = Food	DW = Drinking Water = Food Solid L = Liqu	g Water L = Liquid	Preserv	Preservatives: 1=		2 = HCl 3 = HNO <sub>3</sub>
1 Park Plaza, Suit	1 Park Plaza, Suite 1000, Irvine, CA 92614			100	PP = Pure Product S = Solid SeaW = SW = Swab W = Water WP = Wipe	s = solid ater WP	110	sea Water 0 = Other		$4 = H_2 SO_4$ $5 = NaOH$		6 = Other
CD	CUSTOMER INFORMATION		PROJECT		INFORMATION	Г		Analysis Request	nest	<u> </u>	est Instruct	Test Instructions / Comments
Company:	Cits Group	-	Name:									
Report To:	SKyE GKEEN	-	Number:									
Email:	6		P.O.#:									
Address:	33353 TEMECULA PKWY		Address:									
	ste 104#333 Tenecola (A. 92592	.04.92542										
Phone:	714-398-6363		Global ID:				7					
Fax:	951-848-9812		Sampled By:									
	Sample ID	Sampling Date	Sampling	Matrix	Container No. / Size	Pres.	H 180					
1 573 EX	EXC NORTH WALL	r1-12-10	11:35	(A)	-							
2 569 EXC	< South wall	C1-12-10	11:46	~	_	_	人					
3 569 Exc	Sottom	F1-12-10	11:55	_			大					
_	ic West wall	r1-12-10	11:25									
5 567 Exc	rc South wall	11.12.10	11:15									
6 568 Exc	CC NOTAL WELL	11-12-10	12:05									
7 568 Exc	ic South well	11-12-10	12:15									
8 568 Exc		07-21-17	02:21 (									
9 56 B Exc		(1-12-10	12:15	7	7	7	ラ					
10												
	S	Signature		Prir	Print Name			Company /	Title		Date	e / Time
<sup>1</sup> Relinquished By:	By: Sugar	Conanco								-20	21-17	10:h1
<sup>1</sup> Received By:	Contra									1/40	E1/13	1601
<sup>2</sup> Relinquished By:	By:									,		
<sup>2</sup> Received By:	r											
<sup>3</sup> Relinquished By:	Ву:											
<sup>3</sup> Received By:												



## SAMPLE ACCEPTANCE CHECKLIST

Section 1				
Client: CES Group	Project:			
Date Received: 07/21/17	Sampler's Name Present	Yes ✓ No	)	
Sample(s) received in a cooler? Yes How many?				22.2
Sample Temp (°C) from each cooler: #1:	ple receipt, arrival on ice; For Microbiol		to 10°C or, )	- for samples
Shipping Information:	miple receipt, arrival on ice)			
Section 2  Was the cooler packed with:	ss Bubble Wrap e Other	_ Styrofoa	am	
Cooler Temp (°C): #1:#2:	#3:	#4:		
Section 3		YES	NO	N/A
Was a COC received?		1/2	140	IN/A
Are sample IDs present?		- V		
Are sampling dates & times present?				
Is a relinquished signature present?		1		
Are the tests required clearly indicated on the COC?		1		
Are custody seals present?		V	1	
If custody seals are present, were they intact?			*	1
Are all samples sealed in plastic bags? Recommended f	or Microbiology samples)			1
Did all samples arrive intact? If no, indicate in Section 4		1		V C
Did all bottle labels agree with COC? (ID, dates and time		1		
Were the samples collected in the correct containers fo		/		
Are the containers labeled with the correct preser				/
Is there headspace in the VOA vials greater than 5-6 mn				<b>V</b>
Was a sufficient amount of sample submitted for the re		✓		
Section 4 Explanations/Comments				
Section 5				
For discrepancies, how was the Project Manager notifie	d? Verbal PM Initials: Email (email sent to)			
Project Manager's response:				
Completed By: Completed By:	Date: 7/2//7			



# Calscience



# **WORK ORDER NUMBER: 17-07-1438**

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

**Analytical Report For** 

Client: Enthalpy Analytical, Inc.

Client Project Name: 392847

**Attention:** Ranjit Clarke

931 W. Barkley Avenue Orange, CA 92868-1208

ResultLink >

Email your PM >

Approved for release on 07/24/2017 by:

Xuan Dang Project Manager

Sheila Luu for

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.



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Nork Order Number:	17-07-1438

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### **Work Order Narrative**

Work Order: 17-07-1438 Page 1 of 1

### **Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 07/21/17. They were assigned to Work Order 17-07-1438.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

### **Holding Times:**

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

### **Quality Control:**

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

### **Subcontractor Information:**

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

### **Additional Comments:**

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.



## **Sample Summary**

 Client:
 Enthalpy Analytical, Inc.
 Work Order:
 17-07-1438

 931 W. Barkley Avenue
 Project Name:
 392847

 Orange, CA 92868-1208
 PO Number:
 392847

 Date/Time Received:
 07/21/17 17:25

 Number of Containers:
 2

Attn: Ranjit Clarke

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
S69 EXC South Wall (392847-002)	17-07-1438-1	07/21/17 11:45	1	Solid
S69 EXC Bottom (392847-003)	17-07-1438-2	07/21/17 11:55	1	Solid



## **Detections Summary**

Client: Enthalpy Analytical, Inc.

931 W. Barkley Avenue Orange, CA 92868-1208 Work Order:

17-07-1438

Project Name: 392847

Received:

07/21/17

Attn: Ranjit Clarke

Page 1 of 1

Client SampleID						
<u>Analyte</u>	Result	<b>Qualifiers</b>	<u>RL</u>	<u>Units</u>	<u>Method</u>	<u>Extraction</u>
S69 EXC South Wall (392847-002) (1	7-07-1438-1)					
Arsenic	3.03		1.00	mg/kg	EPA 6020	EPA 3050B
S69 EXC Bottom (392847-003) (17-07	7-1438-2)					
Arsenic	1.30		1.00	mg/kg	EPA 6020	EPA 3050B

Subcontracted analyses, if any, are not included in this summary.

Page 1 of 1

Qualifiers



Project: 392847

## **Analytical Report**

Enthalpy Analytical, Inc. Date Received: 07/21/17 Work Order: 17-07-1438 931 W. Barkley Avenue Preparation: **EPA 3050B** Orange, CA 92868-1208 Method: **EPA 6020** 

> Units: mg/kg

Date/Time Date/Time QC Batch ID Client Sample Number Lab Sample Matrix Instrument Date Prepared Number Collected Analyzed 07/21/17 11:45 07/24/17 10:32 S69 EXC South Wall (392847-002) ICP/MS 03 17-07-1438-1-A Solid 07/21/17 170721L01

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag. **MDL** <u>DF</u> **Parameter** Result 3.03 1.00 0.389 1.00 Arsenic

S69 EXC Bottom (392847-003) ICP/MS 03 17-07-1438-2-A 07/21/17 Solid 07/21/17 07/24/17 170721L01 10:35 11:55 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag. Comment(s): **Parameter** Result RL MDL <u>DF</u> Qualifiers Arsenic 1.30 1.00 0.389 1.00

**Method Blank** 099-15-621-1503 N/A Solid ICP/MS 03 07/21/17 07/21/17 170721L01 Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

**Parameter** Result <u>RL</u> <u>MDL</u> <u>DF</u> Arsenic ND 1.00 0.389 1.00





## **Quality Control - Spike/Spike Duplicate**

Enthalpy Analytical, Inc.

931 W. Barkley Avenue

Orange, CA 92868-1208

Preparation:

Method:

Date Received:

07/21/17

17-07-1438

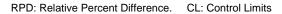
Preparation:

EPA 3050B

EPA 6020

Project: 392847 Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrume	ent Date Prepa	red Date Analyzed	MS/MSD Batch Number
17-07-1232-1	Sample	Filter	ICP/MS	03 07/21/17	07/21/17 23:34	170721S01
17-07-1232-1	Matrix Spike	Filter	ICP/MS	03 07/21/17	07/21/17 23:26	170721S01
17-07-1232-1	Matrix Spike Duplica	ite Filter	ICP/MS	03 07/21/17	07/21/17 23:29	170721S01
Parameter	Sample Spike Conc. Adde	MS Conc.	MS M %Rec. C	ISD MSD onc. %Rec.	%Rec. CL RPD	RPD CL Qualifiers
Arsenic	ND 600.0	612.0	102 5	99.4 100	80-120 2	0-20





## **Quality Control - PDS**

Enthalpy Analytical, Inc.

931 W. Barkley Avenue

Orange, CA 92868-1208

Preparation:

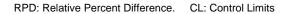
EPA 3050B

Method:

EPA 6020

Project: 392847 Page 1 of 1

Quality Control Sample ID	Туре	N	/latrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
17-07-1232-1	Sample	F	ilter	ICP/MS 03	07/21/17 00:00	07/21/17 23:34	170721S01
17-07-1232-1	PDS	F	ilter	ICP/MS 03	07/21/17 00:00	07/21/17 23:31	170721S01
<u>Parameter</u>		Sample Conc.	Spike Added	PDS Conc.	. PDS %Re	ec. %Rec. C	<u>Qualifiers</u>
Arsenic		ND	600.0	571.3	95	75-125	





## **Quality Control - LCS**

 Enthalpy Analytical, Inc.
 Date Received:
 07/21/17

 931 W. Barkley Avenue
 Work Order:
 17-07-1438

 Orange, CA 92868-1208
 Preparation:
 EPA 3050B

 Method:
 EPA 6020

 Project: 392847
 Page 1 of 1

Quality Control Sample ID	Туре	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number	
099-15-621-1503	LCS	Solid	ICP/MS 03	07/21/17	07/24/17 10:30	170721L01	
Parameter		Spike Added	Conc. Recover	red LCS %R	ec. %Rec	. CL Qualifie	ers ers
Arsenic		25.00	24.06	96	80-12	0	



## **Glossary of Terms and Qualifiers**

Work Order: 17-07-1438 Page 1 of 1

0=!!!!:-::-	Definition
<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
В	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.

- SG The sample extract was subjected to Silica Gel treatment prior to analysis.
- X % Recovery and/or RPD out-of-range.
- Z Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.



# **Enthalpy Analytical**

Formerly Associated Labs 1 Park Plaza, Suite 1000

Irvine, CA 92614 Tel: 714.771.6900 Fax: 714.538.1209 info-sc@enthalpy.com



### Subcontract Laboratory:

Sampled

Sample ID

Eurofins CalScience - Sub 7440 Lincoln Way Garden Grove, CA 92841

ATTN: Xuan Dang PO# 392847

Note: Matrix Project: 392847 Due: 07/24/17

PM: Ranjit Clarke

Email: ranjit.clarke@enthalpy.com CC: incomingreports@enthalpy.com

Require:

**✓** EDD

Comment

EDF EDT

Report To:

**Analysis** 

✓ MDL

0	Solid Solid		S69 EXC South Wall (392847-00 S69 EXC Bottom (392847-003)	02) 6020 Alab 6020 Alab	Arsenic only Arsenic only
<u></u>					
	Note:		R	elinquished By	Received By:
	24hr TAT			(9) (0)	KIN NO-OWL
	Arsenic onl	у			7 / 1 -
			Da	ate/Time	Date/Time ' 07/21/17 14.44
				37/21/2017: 4940	12 panuyle Ecz

Date/Time 7/21/17 17:25



💸 eurofins

SAMPLE RECEIPT CHECKLIST

COOLER		OF	
--------	--	----	--

CLIENT:	Enthal	py	Analyt	ical
		• 77		

CLIENT: CATHAIPY MAIGH CAT	DAT	E: 07 / <u>41</u>	_ / 2017
TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)  Thermometer ID: SC6 (CF: +0.2°C); Temperature (w/o CF): 2.5 °C (w/	pling	Blank Sa	
			<del></del>
<i>,</i>	V/A V/A	Checked by:	1 in 1000 .
SAMPLE CONDITION:		Yes No	N/A
Chain-of-Custody (COC) document(s) received with samples			
COC document(s) received complete		<u>`</u>	
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers		*	
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquish	ed time		
Sampler's name indicated on COC			Ø
Sample container label(s) consistent with COC		<b>z</b>	
Sample container(s) intact and in good condition	§		
Proper containers for analyses requested	Į.	1	
Sufficient volume/mass for analyses requested		<b>z</b>	
Samples received within holding time		ø o	
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen			Ø
Proper preservation chemical(s) noted on COC and/or sample container			ø
Unpreserved aqueous sample(s) received for certain analyses	opportunities.		
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace			Ø
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation			ø
CONTAINER TYPE: (Trip Blank Lot	Number		)
Aqueous: ☐ VOA ☐ VOAh ☐ VOAna₂ ☐ 100PJ ☐ 100PJna₂ ☐ 125AGB ☐ 125AGBh	□ 125AG	B <b>p</b> □ 125PB	,
□ 125PB <b>znna</b> □ 250AGB □ 250CGB □ 250CGB <b>s</b> □ 250PB □ 250PB <b>n</b> □ 500AGB □	500AGJ	□ 500AGJs	
□ 500PB □ 1AGB □ 1AGBna₂ □ 1AGBs □ 1PB □ 1PBna □ □			
Solid: 2 4ozCGJ	1		
Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ Other Matrix (	): D		
Container: <b>A</b> = Amber, <b>B</b> = Bottle, <b>C</b> = Clear, <b>E</b> = Envelope, <b>G</b> = Glass, <b>J</b> = Jar, <b>P</b> = Plastic, and <b>Z</b> = Zi	ploc/Rese	alable Bag	100
Preservative: $\mathbf{b} = \text{buffered}$ , $\mathbf{f} = \text{filtered}$ , $\mathbf{h} = \text{HCl}$ , $\mathbf{n} = \text{HNO}_3$ , $\mathbf{na} = \text{NaOH}$ , $\mathbf{na_2} = \text{Na}_2\text{S}_2\text{O}_3$ , $\mathbf{p} = \text{H}_3\text{PO}_4$ ,	Labeled	/Checked by:	617
$\mathbf{s} = H_2SO_4$ , $\mathbf{u} = \text{ultra-pure}$ , $\mathbf{x} = Na_2SO_3 + NaHSO_4$ . $H_2O_1$ , $\mathbf{znna} = Zn (CH_3CO_2)_2 + NaOH$		Reviewed by:	_ shi



## **Enthalpy Analytical, LLC**

931 W. Barkley Ave - Orange, CA 92868 Tel: (714)771-6900 Fax: (714)538-1209 www.enthalpy.com info-sc@enthalpy.com

Client: CES Group, Inc.

Address: 33353 Temecula Pkwy.

Suite 104 #333

Temecula, CA 92592

Attn: Skye Green

Comments: Grant HS



Lab Request: 392946
Report Date: 07/27/2017
Date Received: 07/26/2017
Client ID: 15581

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
392946-001	S67EXC West Wall
392946-002	S67 EXC South Wall
392946-003	S68 EXC North Wall
392946-004	S68 EXC South Wall

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

The reports of the Enthalpy Analytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.



Client: CES Group, Inc. Collector: Client Matrix: Solid Sampled: 07/26/2017 10:50 Site: Sample #: 392946-001 Client Sample #: S67EXC West Wall Sample Type: Analyzed By Notes Analyte Result DF **MDL RDL** Units **Prepared** Method: EPA 6010B NELAC QCBatchID: QC1180976 Prep Method: EPA 3050B Lead 23.1 0.32 0.5 mg/Kg 07/26/17 07/27/17 JN 1 Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 07/26/2017 11:00 Site: Sample #: 392946-002 Client Sample #: S67 EXC South Wall Sample Type: **Analyte** DF MDL **RDL Units** Analyzed By Notes Result **Prepared** Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1180976 Lead 93.6 1 0.32 0.5 07/26/17 07/27/17 JN mg/Kg Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 07/26/2017 11:20 Site: Client Sample #: S68 EXC North Wall Sample #: 392946-003 Sample Type: **Analyte** DF MDL **RDL** Units **Prepared** Analyzed By Notes Result Method: EPA 6010B NELAC Prep Method: EPA 3050B QC1180976 QCBatchID: 96.8 0.32 0.5 07/26/17 07/27/17 JN Lead 1 mg/Kg Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 07/26/2017 11:30 Site: Client Sample #: S68 EXC South Wall Sample #: 392946-004 Sample Type: **MDL RDL Prepared** Analyzed By Notes **Analyte** Result DF Units Method: EPA 6010B NELAC QCBatchID: QC1180976 Prep Method: EPA 3050B Lead 56.1 1 0.32 0.5 mg/Kg 07/26/17 07/27/17 JN

 QCBatchID:
 QC1180976
 Analyst:
 kedy
 Method:
 EPA 6010B

 Matrix:
 Solid
 Analyzed:
 07/26/2017
 Instrument:
 AAICP (group)

Blank Summary										
	Blank									
Analyte	Result	Units	MDL	RDL	Notes					
QC1180976MB1			•	•						
Antimony	ND	mg/Kg	0.37	3						
Arsenic	ND	mg/Kg	0.36	1						
Barium	ND	mg/Kg	0.23	1						
Beryllium	ND	mg/Kg	0.17	0.5						
Cadmium	ND	mg/Kg	0.21	0.5						
Chromium	ND	mg/Kg	0.13	1						
Cobalt	ND	mg/Kg	0.19	0.5						
Copper	1.05	mg/Kg	0.31	1						
Lead	0.33 J	mg/Kg	0.32	0.5						
Molybdenum	ND	mg/Kg	0.13	1						
Nickel	ND	mg/Kg	0.2	1.5						
Selenium	ND	mg/Kg	0.72	1						
Silver	ND	mg/Kg	0.13	0.5						
Thallium	ND	mg/Kg	0.42	1						
Vanadium	ND	mg/Kg	0.37	0.5						
Zinc	0.51 J	mg/Kg	0.28	5						

Lab Cont	Lab Control Spike/ Lab Control Spike Duplicate Summary										
	Spike /	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1180976LCS1											
Antimony	100		91.2		mg/Kg	91			80-120		
Arsenic	100		93.0		mg/Kg	93			80-120		
Barium	100		102		mg/Kg	102			80-120		
Beryllium	100		93.0		mg/Kg	93			80-120		
Cadmium	100		97.8		mg/Kg	98			80-120		
Chromium	100		97.2		mg/Kg	97			80-120		
Cobalt	100		101		mg/Kg	101			80-120		
Copper	100		103		mg/Kg	103			80-120		
Lead	100		101		mg/Kg	101			80-120		
Molybdenum	100		98.5		mg/Kg	99			80-120		
Nickel	100		102		mg/Kg	102			80-120		
Selenium	100		90.4		mg/Kg	90			80-120		
Silver	100		91.3		mg/Kg	91			80-120		
Thallium	100		90.6		mg/Kg	91			80-120		
Vanadium	100		101		mg/Kg	101			80-120		
Zinc	100		101		mg/Kg	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary												
	Spike	Result		Reco	overies		Limit	S				
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1180976MS1, QC1180976MSD1						•	•			Sc	ource:	392946-001
Antimony	2.70	100	100	25.4	27.1	mg/Kg	23	24	6.5	75-125	20	M
Arsenic	9.89	100	100	94.2	94.8	mg/Kg	84	85	0.6	75-125	20	
Barium	113	100	100	194	192	mg/Kg	81	79	1.0	75-125	20	
Beryllium	ND	100	100	86.4	85.7	mg/Kg	86	86	0.8	75-125	20	
Cadmium	0.34	100	100	81.5	83.5	mg/Kg	81	83	2.4	75-125	20	
Chromium	23.9	100	100	106	109	mg/Kg	82	85	2.8	75-125	20	
Cobalt	11.3	100	100	93.1	95.5	mg/Kg	82	84	2.5	75-125	20	
Copper	21.8	100	100	109	115	mg/Kg	87	93	5.4	75-125	20	
Lead	23.1	100	100	108	109	mg/Kg	85	86	0.9	75-125	20	

Enthalpy Analytical, LLC

Matrix: Solid	Analyzed:	07/26/2	2017	Instru	ıment: A	AICP (group)	)					
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1180976MS1, QC1180976MSD1										Sc	ource:	392946-001
Molybdenum	0.38	100	100	82.8	84.4	mg/Kg	82	84	1.9	75-125	20	
Nickel	12.6	100	100	99.6	102	mg/Kg	87	89	2.4	75-125	20	
Selenium	ND	100	100	83.5	83.9	mg/Kg	84	84	0.5	75-125	20	
Silver	ND	100	100	78.0	80.0	mg/Kg	78	80	2.5	75-125	20	
Thallium	ND	100	100	74.3	75.9	mg/Kg	74	76	2.1	75-125	20	М
Vanadium	44.1	100	100	126	127	mg/Kg	82	83	8.0	75-125	20	
Zinc	94.5	100	100	176	178	mg/Kg	82	84	1.1	75-125	20	

Method: EPA 6010B

Analyst: kedy

QCBatchID: QC1180976

### **Data Qualifiers and Definitions**

### **Qualifiers**

A See Report Comments.

**B** Analyte was present in an associated method blank.

B1 Analyte was present in a sample and associated method blank greater than MDL but less than RDL.

**BQ1** No valid test replicates. Sample Toxicity is possible. Best result was reported.

BQ2 No valid test replicates.

**BQ3** No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.

C Possible laboratory contamination.

D RPD was not within control limits. The sample data was reported without further clarification.

D1 Lesser amount of sample was used due to insufficient amount of sample supplied.

Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
 Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.

**DW** Sample result is calculated on a dry weigh basis.

E Concentration is estimated because it exceeds the quantification limits of the method.

I The sample was read outside of the method required incubation period.

J Reported value is estimated

L The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample

data was reported with qualifier.

M The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated

 ${\tt LCS} \ and/or \ {\tt LCSD} \ was \ within \ control \ limits \ and \ the \ sample \ data \ was \ reported \ without \ further \ clarification.$ 

M1 The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.

M2 The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not

within control limits. Sample result is estimated.

N1 Sample chromatography does not match the specified TPH standard pattern.

NC The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not

apply

P Sample was received without proper preservation according to EPA guidelines.

P1 Temperature of sample storage refrigerator was out of acceptance limits.

Par Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended

due to potential loss of target analytes. Results may be biased low.

Q1 Analyte Calibration Verification exceeds criteria. The result is estimated.

Q2 Analyte calibration was not verified and the result was estimated.

Q3 Analyte initial calibration was not available or exceeds criteria. The result was estimated.

S The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery

was within control limits and the sample data was reported without further clarification.

The sample was preserved within 24 hours of collection in accordance with EPA 218.6.

S1 The associated surrogate recovery was out of control limits; result is estimated.

S2 The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate

recoveries in the associated batch QC met recovery criteria.

S3 Internal Standard did not meet recovery limits. Analyte concentration is estimated.

T Sample was extracted/analyzed past the holding time.

T1 Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).

T2 Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.

T3 Sample received and analyzed out of hold time per client's request.

T4 Sample was analyzed out of hold time per client's request.

T5 Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.

T6 Hold time is indeterminable due to unspecified sampling time.

T7 Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

### **Definitions**

**P2** 

**DF** Dilution Factor

MDL Method Detection Limit. Result is reported ND when it is less than or equal to MDL.

**ND** Analyte was not detected or was less than the detection limit.

NR Not Reported. See Report Comments.

RDL Reporting Detection Limit

TIC Tentatively Identified Compounds



ENTHAI	ENTHALPY ANALYTICAL, INC.	1		L	Chain of Custody Record	dy Record	Turn	Around Ti	me (Rush	by advan	Turn Around Time (Rush by advanced notice only)	-
931 W. Ba	931 W. Barkley Ave, Orange, CA 92868			Lab No:	" 812 qu	4	Standard:		4 Day:		3 Day:	
Phone: (714) 771-6900	771-6900 Fax: (714)771-9933	1	1	Page:		of	2 Day:		1 Day:	X	Same Day:	
Billing: Enthalpy - SoCal	- SoCal		T V DA		Matrix: A = Air		Vater	ć				
c/o Montrose En	c/o Montrose Environmental Group	E   C   C   C   C   C   C   C   C   C	analytical, inc.	Ъ	FL = Food Liquid FS = Food Solid PP = Pure Product S = Solid SeaW	S = Solid SeaW = S	Solid L = Liquid SeaW = Sea Water	Prese	<b>Preservatives:</b> $1 = Na_2 >_2 O_3$ $4 = H_2 SO_4$ $5 = NaOH$	atives: $L = Na_2 S_2 O_3$ $4 = H_2 SO_4$ $5 = NaOH$	$L = HCI$ $3 = HNO_3$ 6 = Other	m
1 Park Plaza, Suit	1 Park Plaza, Suite 1000, Irvine, CA 92614			SW	SW = Swab W = Water WP = Wipe		0 = Other					
כר	CUSTOMER INFORMATION		PROJECT	100	INFORMATION		Analysis Request	uest		Test Instru	Test Instructions / Comments	
Company:	CES Group		Name:									
Report To:	SKYE GREEN		Number:									
Email:	0		P.O. #:									
Address:	33353 Femerala Darkway suite 104 Address:	501 He 104	Address:									
	\$333 Temecula CA-9	92592					,					
Phone:	714-398-6363		Global ID:									
Fax:	- 348 -		Sampled By:	Non	Hernandez							
	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.						
1 567 EXC	West wall	C1-02-L0	10:50	S	راء	×						
2 567 Exc	South wall	T1-22-10	11:00		-	-						
3 568 Exc	NOPTH WEN	r1.92.10	11:10									
4 568 EXC	South wail	r1-92-10	11:30	>	⇒	>						
2												
9												
7												
00												
6												
10	20											
	Si	Signature		Pr	Print Name		Company / Title	Title		Date	te / Time	
<sup>1</sup> Relinquished By:	ENGK HE	roundel	E	de H	Hernander	2	537		-70	26-17	13:20	
<sup>1</sup> Received By:	: Will	7	CA	Strana	mander	17	1		(	helin	13:22	
<sup>2</sup> Relinquished By:	d By:											
<sup>2</sup> Received By:									+			
<sup>3</sup> Relinquished By:	d By:											
<sup>3</sup> Received By:												



# SAMPLE ACCEPTANCE CHECKLIST

Section 1				TO SERVICE STATE OF THE SERVIC
Client: CES	Project:			
Date Received: 07/26/17	Sampler's Name Present:	√Yes	No	
Sample(s) received in a cooler? Yes, How many?				: 26.7
Sample Temp (°C) from each cooler: #1:	#2: #3: #3: ccceptance range is < 10°C but not frozen). In	#4: t is acceptable	for sample	
Shipping Information:			733,5340	
Section 2				
Was the cooler packed with: Ice Packed Paper None	Other			
Cooler Temp (°C): #1:#2:	#3:	#4:		
Section 3		YES	NO	N/A
Was a COC received?		✓		
Are sample IDs present?		✓		
Are sampling dates & times present?		/		
Is a relinquished signature present?		1		
Are the tests required clearly indicated on the COC?		<b>/</b>		
Are custody seals present?			✓	
If custody seals are present, were they intact?	55			/
Are all samples sealed in plastic bags? Recommende	ed for Microbiology samples)		1	
Did all samples arrive intact? If no, indicate in Section	n 4 below.	<b>V</b>		
Did all bottle labels agree with COC? (ID, dates and t	times)	✓		
Were the samples collected in the correct container	s for the required tests?	✓		200
Are the containers labeled with the correct pre	eservatives?			<b>V</b>
Is there headspace in the VOA vials greater than 5-6	mm in diameter?			✓
Was a sufficient amount of sample submitted for th	e requested tests?	✓		100
Section 4 Explanations/Comments				
Section 5 For discrepancies, how was the Project Manager no	tified? Verbal PM Initials:	Date/Time		
To discrepancies, now was the Project Manager no	Email (email sent to			
Project Manager's response:				
Completed By:	Date: 7 26 17			



# **Enthalpy Analytical, LLC**

931 W. Barkley Ave - Orange, CA 92868 Tel: (714)771-6900 Fax: (714)538-1209 www.enthalpy.com info-sc@enthalpy.com

Client: CES Group, Inc.

Address: 33353 Temecula Pkwy.

Suite 104 #333

Temecula, CA 92592

Attn: Skye Green

Comments: Grant HS



Lab Request: 393075
Report Date: 08/02/2017
Date Received: 08/01/2017
Client ID: 15581

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #Client Sample ID393075-001S67- A- Exc Bottom<br/>Grant HS393075-002S67- A- Exc South Wall393075-003S68- B- Exc North Wall393075-004S68- B- Exc Bottom

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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Client: CES Group, Inc. Matrix: Solid Collector: Client Sampled: 07/31/2017 12:50 Site: Sample #: 393075-001 Client Sample #: S67- A- Exc Bottom Grant HS Sample Type: Analyzed By Notes **Analyte** Result DF MDL **RDL Units Prepared** Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1181142 Lead 133 0.32 0.5 mg/Kg 08/01/17 08/02/17 JN 1 Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 07/31/2017 12:55 Site: Sample #: 393075-002 Client Sample #: S67- A- Exc South Wall Sample Type: **Analyte** DF **MDL RDL Units** Analyzed By Notes Result **Prepared** Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1181142 Lead 130 1 0.32 0.5 08/01/17 08/02/17 JN mg/Kg Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 07/31/2017 13:05 Site: Sample #: 393075-003 Client Sample #: S68- B- Exc North Wall Sample Type: **Analyte** DF MDL **RDL** Units **Prepared** Analyzed By Notes Result Method: EPA 6010B NELAC QC1181142 Prep Method: EPA 3050B QCBatchID: 260 0.32 0.5 08/01/17 08/02/17 Lead 1 mg/Kg JN Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 07/31/2017 13:00 Site: Sample #: 393075-004 Client Sample #: S68- B- Exc Bottom Sample Type: MDL **RDL Prepared** Analyzed By Notes **Analyte** Result DF Units Method: EPA 6010B NELAC QCBatchID: QC1181142 Prep Method: EPA 3050B Lead 77.4 1 0.32 0.5 mg/Kg 08/01/17 08/02/17 JN

QCBatchID: QC1181142	Analyst: dswafford	Method: EPA 6010B	
Matrix: Solid	Analyzed: 08/01/2017	Instrument: AAICP (group)	

	Blar	nk Summary	<u>'</u>			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1181142MB1				•		
Lead	ND	mg/Kg	0.32	0.5		

Lab Con	trol Sp	ike/ Lab	Contro	ol Spike	Duplicat	e Sun	nmary				
	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	LCS	LCSD	LCS	LCSD	Units	LCS	LCSD	RPD	%Rec	RPD	Notes
QC1181142LCS1				•		,	,		•	•	
Lead	100		103		mg/Kg	103			80-120		

	Ма	trix Sp	ike/Matı	rix Spil	ke Dupli	cate Sum	mary					
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	S	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1181142MS1, QC1181142MSD1							•			Sc	ource:	393075-001
Lead	133	100	100	220	215	mg/Kg	87	82	2.3	75-125	20	

### **Data Qualifiers and Definitions**

### **Qualifiers**

A See Report Comments.

**B** Analyte was present in an associated method blank.

B1 Analyte was present in a sample and associated method blank greater than MDL but less than RDL.

**BQ1** No valid test replicates. Sample Toxicity is possible. Best result was reported.

BQ2 No valid test replicates.

**BQ3** No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.

C Possible laboratory contamination.

D RPD was not within control limits. The sample data was reported without further clarification.

**D1** Lesser amount of sample was used due to insufficient amount of sample supplied.

Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
 Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.

**DW** Sample result is calculated on a dry weigh basis.

E Concentration is estimated because it exceeds the quantification limits of the method.

The sample was read outside of the method required incubation period.

J Reported value is estimated

L The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample

data was reported with qualifier.

M The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated

LCS and/or LCSD was within control limits and the sample data was reported without further clarification.

M1 The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.

M2 The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not

within control limits. Sample result is estimated.

N1 Sample chromatography does not match the specified TPH standard pattern.

NC The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not

apply

P Sample was received without proper preservation according to EPA guidelines.

P1 Temperature of sample storage refrigerator was out of acceptance limits.

P2 The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3 P3 P4 Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended

due to notatial loss of target analytes. Possille may be biased low

due to potential loss of target analytes. Results may be biased low.

Q1 Analyte Calibration Verification exceeds criteria. The result is estimated.
 Q2 Analyte calibration was not verified and the result was estimated.

Q3 Analyte initial calibration was not available or exceeds criteria. The result was estimated.

S The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery

was within control limits and the sample data was reported without further clarification.

**S1** The associated surrogate recovery was out of control limits; result is estimated.

S2 The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate

recoveries in the associated batch QC met recovery criteria.

S3 Internal Standard did not meet recovery limits. Analyte concentration is estimated.

T Sample was extracted/analyzed past the holding time.

T1 Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).

T2 Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.

T3 Sample received and analyzed out of hold time per client's request.

T4 Sample was analyzed out of hold time per client's request.

T5 Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.

T6 Hold time is indeterminable due to unspecified sampling time.

T7 Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

#### **Definitions**

**DF** Dilution Factor

MDL Method Detection Limit. Result is reported ND when it is less than or equal to MDL.

ND Analyte was not detected or was less than the detection limit.

NR Not Reported. See Report Comments.

RDL Reporting Detection Limit

TIC Tentatively Identified Compounds



ENTHALPY ANALYTICAL, INC.	LYTICAL, INC.	1			Chain of Custody Record	dy Record		Turn,	Around Ti	me (Rus	h by advar	Turn Around Time (Rush by advanced notice only)	nly)
931 W. Barkley Ave, Orange, CA 92868	)range, CA 92868	۹۱		Lab No:	27	5		Standard:		4 Day:		3 Day:	
Phone: (714) 771-6900	Fax: (714)771-9933			Page:		of		2 Day:		1 Day:	2	Same Day:	
Billing: Enthalpy - SoCal		HNE	HALPY	ū	Matrix: A = Air DW = Drinking Water	r DW = Drinking Water	king Wate	er	Prese	rvatives:	Preservatives: 1 = Na.S.O.	2 = HCl 3 = HNO.	Ö
c/o Montrose Environmental Group	l Group	analyt	tical, inc.	PP =	PP = Pure Product	S = Solid Sea	1	Water		4 = H <sub>2</sub> S(	4 = H <sub>2</sub> SO <sub>4</sub> 5 = NaOH	6 = Othe	, )
1 Park Plaza, Suite 1000, Irvine, CA 92614	ne, CA 92614	-			SW = Swab W = Water WP = Wipe	ater WP = M	ő	0 = Other		-			
CUSTOMER	CUSTOMER INFORMATION		PROJECT		INFORMATION			Analysis Request	nest		Test Instru	Test Instructions / Comments	ınts
CeS)	Group.	Name:	ne:										
Report To: SKYE	E Green	Nun	Number:										
Email: 5 or Cent	_	P.O.#:	#.										
Address: 33753+	1-3		Address:										
ste (91)	N.	A 9259											
Phone: 174-3	398 6363.		Global ID:				-2						
Fax: 951	848 9812.	Sam	Sampled By:			q	الم يُر						
Sample ID	0	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	DETA						
1567. A. Exc. hottom	on Grant #5/07/31	1/31/17	12:50	~	-	X							
2 567. A. EXC. South.	wall	16,117	12:55	,	1	/ ×							
3 568-B. EXC. NOTEN. Wel	th. wall 071	7/3/17	13:05			<u>x</u>							
4 568 . B. Exc. bottom		1/31/17	13:00	ş	À	× -,							
2													
9													
7													
8													
6													
10							-						
	Sign	Signature		Prir	Print Name		Ö	Company /	Title		, Da	Date / Time	
<sup>1</sup> Relinquished By:	Fruck He	ian legal	6 1 Enox		Hernandez					8/	(11)	S://	/_
<sup>1</sup> Received By:	, ,	Marie	11/20	J	ANICA		T	A/3C	75	8	11117	11:8	7.
<sup>2</sup> Relinquished By:		0	_	/							,	, ,	
<sup>2</sup> Received By:										$\dashv$			
<sup>3</sup> Relinquished By:													
<sup>3</sup> Received By:						1				$\dashv$			



# SAMPLE ACCEPTANCE CHECKLIST

Section 1	
Client: P	roject:
	ampler's Name Present: ☐ Yes ✓ No
Sample(s) received in a cooler? Yes, How many?	No (skip section 2) Sample Temp (°C): 19.7
Sample Temp (°C) from each cooler: #1:#  (Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance the same day as sample receipt to have a higher temperature  Shipping Information:	2:#3:#4: e range is < 10°C but not frozen). It is acceptable for samples collected
Section 2	
Was the cooler packed with: Ice Ice Packs Paper None Cooler Temp (°C): #1: #2:	Bubble Wrap Styrofoam Other#3:#4:
Section 3	YES NO N/A
Was a COC received?	1
Are sample IDs present?	/
Are sampling dates & times present?	/
Is a relinquished signature present?	1
Are the tests required clearly indicated on the COC?	<b>✓</b>
Are custody seals present?	1
If custody seals are present, were they intact?	<b>√</b>
Are all samples sealed in plastic bags? Recommended for N	Microbiology samples) ✓
Did all samples arrive intact? If no, indicate in Section 4 belo	ow.
Did all bottle labels agree with COC? (ID, dates and times)	<b>✓</b>
Were the samples collected in the correct containers for the	e required tests? ✓
Are the containers labeled with the correct preservati	ves? ✓
Is there headspace in the VOA vials greater than 5-6 mm in	
Was a sufficient amount of sample submitted for the reque	sted tests?
Section 4 Explanations/Comments	
Section 5	
For discrepancies, how was the Project Manager notified?	Verbal PM Initials: Date/Time Email (email sent to/on): /
Project Manager's response:	
Completed By: Da	ate:



# **Enthalpy Analytical, LLC**

931 W. Barkley Ave - Orange, CA 92868 Tel: (714)771-6900 Fax: (714)538-1209 www.enthalpy.com info-sc@enthalpy.com

Client: CES Group, Inc.

Address: 33353 Temecula Pkwy.

Suite 104 #333

Temecula, CA 92592

Attn: Skye Green

Comments: Grant HS



Lab Request: 393231
Report Date: 08/07/2017
Date Received: 08/04/2017
Client ID: 15581

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

 Sample #
 Client Sample ID

 393231-001
 574 EXC North Wall

 393231-002
 574 EXC Bottom

 393231-003
 572 EXC North Wall

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

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Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 08/04/2017 10:00 Site: Sample #: 393231-001 Client Sample #: 574 EXC North Wall Sample Type: Analyzed By Notes Analyte Result DF MDL **RDL** Units **Prepared** Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1181288 Lead 47.6 1 0.32 0.5 mg/Kg 08/04/17 08/07/17 JN Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 08/04/2017 10:05 Site: Sample #: 393231-002 Client Sample #: 574 EXC Bottom Sample Type: **Analyte** Result DF **MDL RDL** Units **Prepared** Analyzed By Notes Method: EPA 6010B NELAC Prep Method: EPA 3050B QCBatchID: QC1181288 Lead 5.10 1 0.32 0.5 mg/Kg 08/04/17 08/07/17 JN Matrix: Solid Client: CES Group, Inc. Collector: Client Sampled: 08/04/2017 10:15 Site: Sample #: 393231-003 Client Sample #: 572 EXC North Wall Sample Type: **RDL** Analyzed By Notes **Analyte** Result DF MDL Units **Prepared** Method: EPA 6010B NELAC Prep Method: EPA 3050B QC1181288 QCBatchID: Lead 70.4 0.32 0.5 08/04/17 08/07/17 JN 1 mg/Kg

QCBatchID:QC1181288Analyst:dswaffordMethod:EPA 6010BMatrix:SolidAnalyzed:08/04/2017Instrument:AAICP (group)

	Blani	c Summary	/			
	Blank					
Analyte	Result	Units	MDL	RDL	Notes	
QC1181288MB1			•			
Aluminum	ND	mg/Kg	0.53	5		
Antimony	ND	mg/Kg	0.37	3		
Arsenic	0.54 J	mg/Kg	0.36	1		
Barium	ND	mg/Kg	0.23	1		
Beryllium	ND	mg/Kg	0.17	0.5		
Cadmium	ND	mg/Kg	0.21	0.5		
Chromium	ND	mg/Kg	0.13	1		
Cobalt	ND	mg/Kg	0.19	0.5		
Copper	ND	mg/Kg	0.31	1		
Lead	0.48 J	mg/Kg	0.32	0.5		
Manganese	ND	mg/Kg	0.14	1		
Molybdenum	ND	mg/Kg	0.13	1		
Nickel	ND	mg/Kg	0.2	1.5		
Selenium	ND	mg/Kg	0.72	1		
Silver	ND	mg/Kg	0.13	0.5		
Thallium	ND	mg/Kg	0.42	1		
Titanium	ND	mg/Kg	0.26	1		
Vanadium	ND	mg/Kg	0.37	0.5		
Zinc	ND	mg/Kg	0.28	5		

L	ab Control Spike/ Lat	Control Spike	Duplica:	te Summary		
	Spike Amount	Spike Result		Recoveries	Limits	
Analyte	LCS LCSD	LCS LCSD	Units	LCS LCSD RP	D %Rec RPD	Notes
QC1181288LCS1	·	•			,	
Antimony	100	94.2	mg/Kg	94	80-120	
Arsenic	100	94.0	mg/Kg	94	80-120	
Barium	100	102	mg/Kg	102	80-120	
Beryllium	100	99.1	mg/Kg	99	80-120	
Cadmium	100	95.2	mg/Kg	95	80-120	
Chromium	100	95.1	mg/Kg	95	80-120	
Cobalt	100	98.9	mg/Kg	99	80-120	
Copper	100	105	mg/Kg	105	80-120	
Lead	100	96.6	mg/Kg	97	80-120	
Molybdenum	100	98.2	mg/Kg	98	80-120	
Nickel	100	102	mg/Kg	102	80-120	
Selenium	100	92.4	mg/Kg	92	80-120	
Silver	100	90.2	mg/Kg	90	80-120	
Thallium	100	94.7	mg/Kg	95	80-120	
Vanadium	100	102	mg/Kg	102	80-120	
Zinc	100	96.3	mg/Kg	96	80-120	

	Mat	trix Sp	ike/Matı	rix Spik	re Dupli	cate Sun	nmary					
	Sample	Spike	Amount	Spike	Result		Reco	veries		Limit	s	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1181288MS1, QC1181288MSD1	<u> </u>									Sc	ource:	393227-001
Antimony	ND	100	100	79.6	78.4	mg/Kg	80	78	1.5	75-125	20	
Arsenic	2.46	100	100	98.5	104	mg/Kg	96	102	5.4	75-125	20	
Barium	9.40	100	100	112	116	mg/Kg	103	107	3.5	75-125	20	
Beryllium	ND	100	100	104	104	mg/Kg	104	104	0.0	75-125	20	
Cadmium	ND	100	100	90.3	94.9	mg/Kg	90	95	5.0	75-125	20	
Chromium	3.67	100	100	96.4	101	mg/Kg	93	97	4.7	75-125	20	

Enthalpy

QCBatchID: QC1181288	Analyst:	dswaffo	ord	Me	ethod:	EPA 6010B						
Matrix: Solid	Analyzed:	08/04/2	017	Instru	ment: /	AAICP (group)	)					
	Sample	Spike A	mount	Spike	Result		Reco	veries		Limi	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1181288MS1, QC1181288MSD1				·						Sc	ource:	393227-001

	Sample	Spike	Amount	Spike	Result		Reco	veries		Limi	ts	
Analyte	Amount	MS	MSD	MS	MSD	Units	MS	MSD	RPD	%Rec	RPD	Notes
QC1181288MS1, QC1181288MSD1										Sc	ource:	393227-001
Cobalt	1.38	100	100	94.9	100	mg/Kg	94	99	5.2	75-125	20	
Copper	2.79	100	100	105	109	mg/Kg	102	106	3.7	75-125	20	
Lead	5.16	100	100	99.8	104	mg/Kg	95	99	4.1	75-125	20	
Molybdenum	0.91	100	100	95.9	102	mg/Kg	95	101	6.2	75-125	20	
Nickel	4.27	100	100	104	110	mg/Kg	100	106	5.6	75-125	20	
Selenium	0.84	100	100	95.5	99.9	mg/Kg	95	99	4.5	75-125	20	
Silver	ND	100	100	88.6	92.4	mg/Kg	89	92	4.2	75-125	20	
Thallium	1.25	100	100	91.2	96.9	mg/Kg	90	96	6.1	75-125	20	
Vanadium	6.14	100	100	107	112	mg/Kg	101	106	4.6	75-125	20	
Zinc	10.8	100	100	103	109	mg/Kg	92	98	5.7	75-125	20	

### **Data Qualifiers and Definitions**

### **Qualifiers**

A See Report Comments.

**B** Analyte was present in an associated method blank.

B1 Analyte was present in a sample and associated method blank greater than MDL but less than RDL.

**BQ1** No valid test replicates. Sample Toxicity is possible. Best result was reported.

BQ2 No valid test replicates.

**BQ3** No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.

C Possible laboratory contamination.

D RPD was not within control limits. The sample data was reported without further clarification.

**D1** Lesser amount of sample was used due to insufficient amount of sample supplied.

Page of the elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit. Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.

**DW** Sample result is calculated on a dry weigh basis.

**E** Concentration is estimated because it exceeds the quantification limits of the method.

I The sample was read outside of the method required incubation period.

J Reported value is estimated

L The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample

data was reported with qualifier.

M The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated

 ${\tt LCS} \ and/or \ {\tt LCSD} \ was \ within \ control \ limits \ and \ the \ sample \ data \ was \ reported \ without \ further \ clarification.$ 

M1 The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.

M2 The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not

within control limits. Sample result is estimated.

N1 Sample chromatography does not match the specified TPH standard pattern.

NC The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not

apply

P Sample was received without proper preservation according to EPA guidelines.

P1 Temperature of sample storage refrigerator was out of acceptance limits.

P2 The sample was preserved within 24 hours of collection in accordance with EPA 218.6.

P3 Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended

due to potential loss of target analytes. Results may be biased low.

Q1 Analyte Calibration Verification exceeds criteria. The result is estimated.

Q2 Analyte calibration was not verified and the result was estimated.

Q3 Analyte initial calibration was not available or exceeds criteria. The result was estimated.

S The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery

was within control limits and the sample data was reported without further clarification.

S1 The associated surrogate recovery was out of control limits; result is estimated.

S2 The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate

recoveries in the associated batch QC met recovery criteria.

S3 Internal Standard did not meet recovery limits. Analyte concentration is estimated.

T Sample was extracted/analyzed past the holding time.

T1 Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).

T2 Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.

T3 Sample received and analyzed out of hold time per client's request.

T4 Sample was analyzed out of hold time per client's request.

T5 Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.

T6 Hold time is indeterminable due to unspecified sampling time.

T7 Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

#### **Definitions**

**DF** Dilution Factor

MDL Method Detection Limit. Result is reported ND when it is less than or equal to MDL.

ND Analyte was not detected or was less than the detection limit.

NR Not Reported. See Report Comments.

RDL Reporting Detection Limit

TIC Tentatively Identified Compounds



ENTHA	ENTHALPY ANALYTICAL, INC.	1			Chain of Custody Record	ody Reco	ord	Turı	- Around	Fime (Rus	h by advar	Turn Around Time (Rush by advanced notice only)	nly)
931 W. B	931 W. Barkley Ave, Orange, CA 92868	41		Lab No:	3137	2		Standard:		4 Day:		3 Day:	
Phone: (714) 771-6900	771-6900 Fax: (714)771-9933			Page:		of		2 Day:		1 Day:	X	Same Day:	
Billing: Enthalpy - SoCal	- SoCal		,		Matrix: A = Air	200	DW = Drinking Water	ater		7			
c/o Montrose Er	c/o Montrose Environmental Group	ENT analyti	THALPY ytical, inc.	FI PP	FL = Food Liquid FS = Food Solid  PD = Pure Product S = Solid SeaW	FS = Food S = Solid	Solid L = Liquid	L = Liquid = Sea Water	Pre	Preservatives:	atives: $1 = Na_2 S_2 O_3$ $4 = H_2 SO_3 = NaOH$	2 = HCl 3 6 = Other	= HNO <sub>3</sub>
1 Park Plaza, Sui	1 Park Plaza, Suite 1000, Irvine, CA 92614			SW	>	ater WP	= Wipe (	0 = Other		2	0 40		
ט	CUSTOMER INFORMATION		PROJECT		INFORMATION			Analysis Request	ednest		Test Instru	Test Instructions / Comments	ints
Company:	(58 GSROUP	2	Name:										
Report To:	0	2	Number:										
Email:	2	<u>a</u>	P.O.#:										
Address:	33353 Temecula Porkuen Suite 104		Address:										
	#333 PSMECULO CA. 92592	76											
Phone:	292-1-865-116		Global ID:		1								
Fax:	7186-848-135	S	Sampled By:	ney h	Ersonler								Y
	Sample ID	Sampling	Sampling	Matrix	Container	Pres.	TV 3						
		Date	lime		No. / Size		7						
1 574 EXC	NORTH Wall	L1-40-80	10:00	S	)		X						The Park
2 574 EXC	Воттем	11-40-80	10:05	S	1		X						
3 572 EXC	NORTH WAY	61-60-80	51:01	S	,		×						
4													
2													
9													
7													
8													
6													
10													
	S	Signature		Pri	Print Name			Company / Title	/ Title		Da	Date / Time	
<sup>1</sup> Relinquished By:	BY: Fresh He	number	. £20	x He	Heragodez		32	5		08	L1-40.	11:30	
<sup>1</sup> Received By:	ii link	0	0	Hermonde	MACZ		(1)	4		00	4 17	139	
<sup>2</sup> Relinquished By:	d By:												
<sup>2</sup> Received By:										+			
<sup>3</sup> Relinquished By:	d By:												
<sup>3</sup> Received By:										1			



# SAMPLE ACCEPTANCE CHECKLIST

Section 1				
Client: CES	Project:			
Date Received: 08/04/17	Sampler's Name Present:	<b>✓</b> Yes	No	
Sample(s) received in a cooler? Yes, How many?	✓ No (skip section 2)	— Sample T	— emp (°C)	: 30.0
Sample Temp (°C) from each cooler: #1:	ptance range is < 10°C but not frozen). It	is acceptable	for sample	- es collected
Shipping Information:				
Section 2				
Was the cooler packed with: Ice Ice Packs Paper None	Bubble Wrap Styrot			
Cooler Temp (°C): #1:#2:	#3:	_#4:		
Section 3		YES	NO	N/A
Was a COC received?		1		
Are sample IDs present?		1		
Are sampling dates & times present?		1		2005
Is a relinquished signature present?		1		
Are the tests required clearly indicated on the COC?		/		
Are custody seals present?			/	
If custody seals are present, were they intact?				1
Are all samples sealed in plastic bags? Recommended f	for Microbiology samples)		1	
Did all samples arrive intact? If no, indicate in Section 4		/		E
Did all bottle labels agree with COC? (ID, dates and time		1		100
Were the samples collected in the correct containers for		1		
Are the containers labeled with the correct presen				1
Is there headspace in the VOA vials greater than 5-6 mr	m in diameter?			1
Was a sufficient amount of sample submitted for the re	equested tests?	1		
Section 4 Explanations/Comments				
Section 5				
For discrepancies, how was the Project Manager notifie	ed? Verbal PM Initials: Email (email sent to/o		33	
Project Manager's response:		.10		
	1 1			
	Muli-			
Completed By:	Date: (   4   )			

## **Ranjit Clarke**

From: Skye Green

**Sent:** Friday, August 04, 2017 3:40 PM

To: 'Ranjit Clarke'

**Subject:** RE: Samples collected on 08/04/17 - Grant HS???

Yes, those are for Grant HS. Thanks.

# Skye Green, P.E.

CES Group, Inc. CES/Novacom/ERG 951-808-8585 office 714-398-6363 mobile 951-848-9812 fax sgreen@cesgroup.co www.cesgroup.co



**From:** Ranjit Clarke [mailto:ranjit.clarke@enthalpy.com]

Sent: Friday, August 4, 2017 2:03 PM

To: sgreen@cesgroup.co

**Subject:** Samples collected on 08/04/17 - Grant HS???

Importance: High

Skye,

See attached. Is this from Grant HS or another site? Please confirm.

Thanks,

Ranjit

In accordance with our paperless initiative, we are no longer mailing or faxing reports by default. If you require a hard copy, please inform your Project Manager.



### Ranjit Clarke

Senior Project Manager Enthalpy Analytical 931 W. Barkley Ave., Orange, CA 92868 O: 714-771-9906 / M: 657-274-9864 / F: 714-538-1209 Ranjit.Clarke@enthalpy.com



# Soil Safe of California, Inc.

131889 ADE

12328 Hibiscus Ave. Adelanto, CA 92301

#### WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professional Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Manifest Number:

A4-7053 Load #: 1

4/11/2017

**Generator Site Information:** 

ULYSSES GRANT SENIOR HIGH SCHOOL

13000 OXNARD STREET

Weighmaster Weighed at:

SOIL SAFE OF CALIFORNIA, INC..

12328 HIBISCUS AVE

ADELANTO, CA 92301

LOS ANGELES, CA 91335

J Provansal

J Provansal

Time In: 8:41:17 AM

Time out: 8:41:19 AM

**Gross Weight:** 

Tare Weight:

Tons

31980

15.99 Manual Wt 15.40 Manual Wt

Net Weight:

30800 1180

Lbs

0.59

Truck Number: 541 Trailer Number: 214

Commodity: Non Haz - Solids

Driver on Gross and Tare Transporter: AIS - BUDDY

	Manifes	t	Non		dous Soils		<b>↓</b> Manife	est# \psi
	Date of Shipment:	Responsible for		Transport	Truck #:	Facility #:	Approval Number	r: Load#
	Consultaria National I Dilli		neporter	146		A07	4705	13 100
	Generator's Name and Billing				Generator's Pho	one #:		
	Los Angeles Unilled 333 South Beaudry /				Person to Conta	oct:		
					FAX#:		Customer Account	t Number
	Los Angeles, CA 90							- Manuel
	Consultant's Name and Billin	g Address:			Consultant's Ph	one #:		
					Person to Conta	ct:		
					FAX#:		Customer Account	t Number
	Generation Site (Transport fro				Site Phone #:			
nt	Ulyasas Grant Senio 13000 Oxnard Street				Person to Conta	ct:		
Consultant	Los Angeles, CA 913	36			FAX#:			
or Co	Designated Facility (Transport	to): (name & address)			Facility Phone #			
Generator and/or	Soil Sufe				Person to Contac	00) 862-8001 ct:		
tor	12328 Hiblocus Rd.					oe Provensel		
nera	Adelenio, CA 92301	-1700			FAX#:	80) 246-8004		
Ge	Transporter Name and Mailing				Transporter's Ph			
	American Integrated P.O. Box 92316	Services, Inc.			Person to Contac	10) 522-1168 et:	CAI	R000148338
					FAX#:	niler Sherman		
	Long Beach, CA 908	109-2316				10) 522-0474	Customer Account	Number 7704906
	Description of Soil	<b>Moisture Content</b>	Contaminated by	: Approx	c. Qty: Desci	ription of Delivery		e Weight Net Weight
	Sand Organic Clay Other	0 - 10%	Gas Diesel Dother	1	2		31980 3	0800 1180
	Sand  Organic  Clay  Other	0 - 10%	Gas Diesel D					.59
	List any exception to items liste		Other 🗆			Scale Ticket #	13188	3
	Generator's and/or consult	ant's certification:	I/We certify that t	he soil ri	eferenced herein	is taken entirely fre		
	Sheet completed and certifing any way.	ied by me/us for the	e Generation Site	shown a	bove and nothi	ng has been added o	r done to such soil	l that would alter it
	11 1	dugles to	tant 1 (Aust)	Sign	nature and date:	Mil		Month Day Year
Transporter	Transporter's certification: condition as when received without off-loading, adding	t. I/We further ceri	tify that the soil is	being a	directly transpo	orted from the Gene	is being delivered ration Site to the l	in exactly the same Designated Facility
Trans	Print or Type Name:	E LIN			nature and date:	do	ins)	Month Day Year
g Facility	Discrepancies:							
clin	Recycling Facility certifies	the receipt of the so	oil covered by this	and the second		d above:		
Recycling	Print or Type Name:			Sign	ature and date:		, , , ,	
	J. Provensel						11.11	17
Diego	e print or type.				/	111/		

TRANSPORTER COPY

The Park of the Land	ARDOUS	1. Generator+D Number			2. Page 1 of	3. Emergency Response		4. Waste	Tracking No		
5 Generator's N		Not I	requi	red	1	888-423-80				2017	015
Los An 333 So Los An		ng Address  3	rici Min Floor			Generator's Site Add	nt Senior F ed Shoet	ligh Schoo	lress)		
6. Transporter 1								U.S. EPA ID	) Number		
7. Transporter 2	Company Nam	rated Services	Inc	7-1				U.S. EPA ID		0 1 4	8 3 3
1630 W	& Overton 7. 17th Str each CA	n, Inc. rest 90813						U.S. EPA ID		8 4 0	9 0 1
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SOUTH YUMA COUNTY LANDFILL

PO BOX 125; Staton, CA 90680-0125

928-341-9300

ACCOUNT#: EXCELL

TRANSACTION INFORMATION

EXCELL EXCAVATING INC.

TICKET# : 1206203

P.O. BOX 6167

DATE IN : 8/10/2017 TIME IN : 09:10 AM DATE OUT: 8/10/2017 TIME OUT: 09:10 AM

LAGUNA NIGUEL, CA92607

JOB #: C-4541

HAULER: RUST & SONS

TRUCK LICENSE #:

TRUCK # : 06

CONTAINER #:

PLEASE NOTE: Account Customers Only: A State of Arizona per ton landfill fee of

\$0.25 will be added to your Inv.

REFUSE

WEIGHT IN

WEIGHT OUT

NET WEIGHT

NON -HAZ SOIL

69320 LBS

31580 LBS

18.87 TONS

CUSTOMER SIGNATURE

WEIGHMASTER/DEPUTY

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT AND MEASURE
THIS IS TO CERTIFY that the above described merchandise, was weighed, counted,
or measured by the public or deputy weighmaster, and when properly signed, and

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SOUTH YUMA COUNTY LANDFILL

PO BOX 125; Staton, CA 90680-0125

928-341-9300

ACCOUNT#: EXCELL

TRANSACTION INFORMATION

EXCELL EXCAVATING INC.

TICKET# : 1206169

P.O. BOX 6167

DATE IN: 8/9/2017 TIME IN: 04:40 PM

DATE OUT: 8/9/2017 TIME OUT: 04:50 PM

LAGUNA NIGUEL, CA92607

JOB #: C-4541

HAULER: EXCELL EXCAVATING INC.

TRUCK LICENSE #:

TRUCK # :
CONTAINER #:

PLEASE NOTE: Account Customers Only: A State of Arizona per ton landfill fee of

\$0.25 will be added to your Inv.

REFUSE

WEIGHT IN

WEIGHT OUT

NET WEIGHT

NON -HAZ SOIL

20120 LBS

12720/ LES

3.70 TONS

CUSTOMER SIGNATURE

WEIGHMASTER/DEPUTY

PUBLIC WEIGHMASTER'S CERTIFICATE OF WEIGHT AND MEASURE
THIS IS TO CERTIFY that the above described merchandise, was weighed, counted,
or measured by the public or deputy weighmaster, and when properly signed, and
cooled shall be prime facia evidence of the accuracy of the weight shown as