



**POLYCHLORINATED BIPHENYL (PCB)
INVESTIGATION AND CLEANUP REPORT**

**FORMER KELLY-MOORE MANUFACTURING FACILITY
5410 AIRPORT WAY SOUTH
SEATTLE, WASHINGTON**

Submitted to:

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POLYCHLORINATED BIPHENYL (PCB) INVESTIGATION AND CLEANUP REPORT

Former Kelly-Moore Manufacturing Facility
5400-5410 Airport Way South
Seattle, Washington

1.0 INTRODUCTION

AMEC Geomatrix, Inc. (AMEC), was retained by Kelly-Moore Paint Company, Inc. (Kelly-Moore), to conduct an investigation of polychlorinated biphenyls (PCBs) at the former Kelly-Moore paint production plant at 5410 Airport Way South, in Seattle, Washington (the facility) (Figure 1). The facility was used for blending paints and pigments, earlier as Preservative Paint Company, and later as Kelly-Moore. The facility has discontinued production, and Kelly-Moore is preparing the facility for lease or sale as light manufacturing or warehousing space.

In September 2008, AMEC conducted a preliminary investigation of the facility to evaluate the presence or absence of PCBs in the buildings during the facility closure process in the former manufacturing area (Buildings 6, 7, and 8) of the facility. One wipe sample collected in Building 8 showed slightly elevated concentrations of PCBs (10.9 micrograms per 100 square centimeters [$\mu\text{g}/100\text{ cm}^2$]) in the concrete flooring (Figure 2). Additional samples of concrete chips and sediment collected near one of the wipe sample locations contained total PCB concentrations of 35 milligrams per kilogram (mg/kg) and 41 mg/kg, respectively. The source of the PCBs detected in the wipe, concrete, and sediment samples was unknown. As a result of these detections of PCBs, Kelly-Moore decided that further investigations were necessary to characterize the nature and extent of the PCBs within the buildings. A work plan for the PCB investigation was submitted to the U.S. Environmental Protection Agency (EPA) by AMEC in July 2009 (AMEC, 2009a). An addendum to the work plan was submitted in August 2009 to include characterization of an additional portion of the facility (AMEC 2009b). The work plan was prepared in accordance with the requirements of the Toxic Substances Control Act (TSCA), Code of Federal Regulations, Title 40, Part 261 (40 CFR 261) concerning PCBs.

This report describes the PCB sampling, summarizes the results, and describes initial cleanup work conducted to date to remediate PCBs.

1.1 PROJECT OBJECTIVE

The objective of this PCB investigation is to characterize the nature and extent of PCB concentrations throughout the former manufacturing areas of the facility to the extent necessary for Kelly-Moore to make decisions on cleanup and ultimate property use.

More specifically, this report was prepared to accomplish the following:

- Describe the methods used to further investigate PCBs at the facility;
- Preliminarily assess the concentrations of PCBs in the floor and walls at the facility;
- Describe the methods used to clean up PCBs at the facility;
- Summarize the results of cleanup conducted to date; and
- Assess areas of the facility where PCB concentrations warrant further investigation or remedial action.

1.2 SCOPE OF WORK

The scope of work completed for the PCB investigation included the following tasks:

- Cleaning of floors at the facility before sampling;
- Sampling of porous and nonporous surfaces for PCBs (Phase I and II);
- Screening of results against TSCA criteria;
- Identification of areas of the facility requiring cleanup in accordance with TSCA to reduce PCB concentrations to less than 1 part per million (ppm), the cleanup level established by EPA for high-occupancy areas;
- Identification and implementation of mitigation options to address areas where concentrations of PCBs are greater than 1 ppm (Phase III); and
- Confirmation sampling to evaluate the success of mitigation measures completed to date (Phase IV).

2.0 FACILITY DESCRIPTION AND BACKGROUND

This section describes the current layout and provides a brief history of the property.

2.1 SITE DESCRIPTION

The facility is located on the east side of Airport Way South, at the intersection of South Lucile Street, in Seattle, Washington (Figure 1). It is bordered on the north by Burlington Northern Santa Fe Corporation (BNSF) railroad tracks and Olympic Foundry, on the west by Airport Way South and the Airport Way South overpass, on the east by BNSF railroad tracks and a steep hillside, and on the south by an Interstate 5 overpass.

The facility is a former paint manufacturing facility that discontinued manufacturing activities in 2008. The facility currently consists of a building complex at the north end of the property and a large warehouse building at the south end of the property. The building complex on the north end is a large conglomeration of buildings of various ages that has been present on the property in some form since the 1920s (SEACOR, 1994, 1997). Figure 2 shows the configuration of the northern building complex, which consists of Buildings 1 through 10 and Building 12. These buildings contain both office and manufacturing/warehouse space. According to facility personnel, Buildings 6, 7, and 8 were the predominant manufacturing areas in recent years. A small electrical room is located above Building 7, and a second floor is present in Buildings 6 and 8. All manufacturing equipment and product have been removed from the buildings. Various strip drains, scale pits, and sumps are located throughout the buildings.

The large warehouse building at the south end of the property was constructed in 1997. A paved parking lot is located south of this southern building.

2.2 BACKGROUND

The property has been used for industrial purposes since the early 1900s. It has historically been used as a paint manufacturing facility, an automobile service station (and potentially a wrecking yard), a union hall, and for coal storage, according to a Phase I environmental site assessment (SEACOR, 1994, 1997).

In 2008, Kelly-Moore discontinued paint production activities at the site. AMEC assisted Kelly-Moore in collecting and analyzing samples from the buildings in preparation for the lease or sale of the property. As part of the closure process, two wipe samples were collected and analyzed for PCBs near what was initially thought to have been hydraulic compressors in Building 8 (Figure 2). In one of the two wipe samples, PCBs were detected at concentrations greater than the EPA-established PCB cleanup level of 10 µg/100 cm² for indoor nonporous

surfaces (40 CFR 761.61 [4] [ii]). The source of the PCBs detected in this wipe sample is unknown. Analysis of additional samples of concrete flooring and sediment (accumulated material adhering to the floor) collected near one of the wipe sample locations indicated PCBs at concentrations greater than 25 mg/kg but less than 50 mg/kg.

In July 2009, AMEC prepared a closure and sampling plan (AMEC, 2009a) in accordance with the regulations for PCBs (40 CFR 261); an addendum to the plan was produced in August 2009 to address additional sampling included in the investigation (AMEC, 2009b).

3.0 PRESAMPLING CLEANING OF MANUFACTURING AREA

Before sampling, the buildings at the facility were cleaned. Between August 12 and 21, 2009, AMEC oversaw pressure washing of the floors in Buildings 1, 2, 3, 4, 5, 5A, 6 (ground and second floors), 7, 8 (ground and second floors), and 9. Clearcreek Contractors, Inc. (Clearcreek), in Everett, Washington, was subcontracted to operate the cleaning equipment, and AMEC personnel directed the cleaning. Cleaning included sweeping or scraping of floors, removal of steel plate flooring (in ground floor Building 8), hot water pressure washing of floors and/or mopping of floors, removal of sludge and sediment from floor drains, containerization of all wash materials and personal protective equipment (PPE), and characterization and disposal of the wastes produced.

To prevent water from running off the floors into utility trenches, temporary impoundments were constructed of expanding foam and polyvinyl chloride (PVC) pipe. The impounded wash water was vacuumed up as cleaning progressed, along with any debris loosened during cleaning. Because of the steel plates and wood flooring on the second floor of Building 8, the floor was cleaned by hand washing and mopping only.

4.0 PCB SAMPLING AND CLEANUP APPROACH AND METHODS

This section describes the phases of investigation and cleanup completed to date. Detected PCB analytical results for the composite samples were compared with screening criteria presented in data tables showing the analytical results. The methods used to calculate the screening criteria are based on EPA guidance (EPA, 1985), as described in the approved Work Plan (AMEC, 2009a,b). If analytical results for a given composite sample exceeded the high-occupancy screening criterion for that composite based on the number ("x") of primary samples that constitute that composite, then at least one of the subsamples that contributed to the composite must exceed the screening criterion. In such cases, other actions may need to be taken. Such actions may include one or more of the following: analysis of relevant primary samples, cleaning or scarifying the concrete floor, or encapsulation of the inference area represented by the composite result.

Analytical results for the primary samples were compared to the bulk PCB remediation waste cleanup standard for low-occupancy (25 mg/kg) and high-occupancy (1 mg/kg) areas in accordance with 40 CFR 761.61 (Tables 2, 3, and 5). Analytical results for the composite wipe samples were compared to the surface PCB cleanup standard of 10 µg/100 cm² for nonporous surfaces in high-occupancy areas (40 CFR 761.61).

4.1 PHASE I — INITIAL FLOOR SAMPLING

The first phase of sampling was conducted between August 26 and August 31, 2009. AMEC collected samples in accordance with the PCB Closure and Characterization Plan (AMEC, 2009a) at the locations in Buildings 6, 7, and 8 shown on Figures 3, 4, 5, and 6. Both porous and nonporous surfaces were sampled during this phase of the investigation. AMEC collected 211 concrete samples from Buildings 6, 7, and 8 and, one wood sample and two wipe samples from the second floor of Building 8.

The sampling design was based on a 3-meter grid. The grid spacing was based on the requirements of 40 CFR 761.265, 761.283, and 761.286. Samples were collected at the grid nodes, and two samples were collected from each location. One individual (primary) sample from each location was archived and held, pending future analysis. The second sample from each location was added to a composite sample created from six to nine individual samples as specified in 40 CFR 261.289. The composite grids, showing the primary samples that constitute the composite samples, are shown on Figures 3 through 6. The majority of samples were collected from porous surfaces; in accordance with 40 CFR 761.61(4)(ii), wipe samples were collected where nonporous surfaces were encountered.

4.1.1 Porous Surfaces

Between August 26 and 31, 2009, AMEC collected over 200 samples of concrete and wood at the locations within Buildings 6, 7, and 8 shown on Figures 3 through 6. Analytical results for these samples are summarized in Table 1 for composite samples and in Table 2 for primary samples.

Concrete or wood samples were collected for analytical testing at each location where the respective porous surface was encountered. Concrete samples were collected by AMEC, in accordance with EPA's Standard Operating Procedure for Sampling Concrete in the Field (EPA, 1997), using an electrically driven rotohammer with a 1-inch-diameter steel carbide drill bit. A 2-inch-deep hole was drilled into the cement slab at each location. A clean stainless steel spoon and knife were used to collect the pulverized concrete from the sample location. The pulverized concrete was placed into one 4-ounce glass sample jar for the primary sample and one 8-ounce glass sample jar for the composite sample. The primary sample (4-ounce jar) was labeled, put into a plastic bag, and placed in an iced-filled cooler. The composite sample (8-ounce jar) was filled by adding an aliquot of sample from each of the six to eight primary samples for its representative inference area. Composite samples were identified with the building number and "COMP" in the sample name, as shown in Table 1. Wood samples were collected using the same methods as the concrete sampling, except for the depth of collection. Because of the depth constraints of the wood, the wood samples were collected from a depth of 1 inch.

All samples were collected in laboratory-provided glass jars, labeled, and stored in an ice-cooled chest for transport to OnSite Environmental, Inc., in Redmond, Washington (OnSite). The primary and composite samples were delivered to the laboratory under AMEC chain-of-custody procedures.

The composite samples were analyzed for PCBs using EPA Method 8082. Selected primary samples were analyzed based on the initial laboratory results from the composite samples. The analytical results for samples from porous surfaces collected during the first phase of sampling are summarized in Tables 1 and 2. The data validation memorandum is presented in Appendix A, and the complete laboratory analytical report is presented in Appendix B.

4.1.2 Nonporous Surfaces

Between August 26 and 31, 2009, AMEC collected wipe samples at 11 locations, comprising two composite wipe samples at the locations in Building 8 shown on Figure 6. Wipe samples were collected for analytical testing at each location where a nonporous surface was encountered, precluding the collection of a bulk sample.

Samples were collected using laboratory-supplied hexane to moisten new, individually packaged gauze pads. A 10-centimeter by 10-centimeter standard template area was used to collect the wipe sample. In accordance with EPA recommendations (Smith, 1991), samples were collected by wiping the moistened gauze in three up-strokes and three down-strokes, followed by three side-strokes in each direction. The gauze then was placed into a laboratory-supplied, 4-ounce glass jar and stored in a cooler pending transport to the analytical laboratory. Primary samples were collected at each location shown on Figure 6.

At least 1.0 foot away from each location, an additional wipe sample was collected in an 8-ounce glass jar. The second sample from each location was added to the composite sample for its representative inference area. Composite samples were identified with the building number and "COMP" in the sample name.

Samples were collected in laboratory-provided glass jars, labeled, and stored in an ice-cooled chest for transport to OnSite in Redmond, Washington. The primary and composite samples were delivered to the laboratory under AMEC chain-of-custody procedures. The composite samples were analyzed for PCBs using EPA Method 8082. The analytical results for the composite wipe samples are summarized in Table 1. The laboratory analytical report and data validation memorandum are provided in Appendix B.

4.2 PHASE II — WALL SAMPLING

Based on initial results indicating the presence of PCBs at concentrations greater than the screening criteria in several areas of the facility, Kelly-Moore decided it was prudent to pursue additional sampling of the manufacturing areas to sample wall areas with visible paint spatter or discoloration.

On September 17, 2009, AMEC collected 23 additional samples at the locations in Buildings 6, 7, and 8 shown on Figures 3, 4, and 5. PCB samples were collected from the concrete and wood walls and steel support pillars in these three buildings. Both porous and nonporous surfaces were sampled during the investigation. AMEC collected 14 bulk concrete samples, 6 bulk wood samples, and 3 wipe samples from pillars within Buildings 6, 7, and 8. Samples were collected according to the same procedures described in Sections 4.1; all samples were analyzed as discrete samples; no composite samples were made. The analytical results for these samples are summarized in Table 3. The data validation memorandum and laboratory analytical report are provided in Appendix A and Appendix B, respectively.

4.3 PHASE III — SCARIFICATION

Phase I sample results indicated that four composite samples in Buildings 6 and 7 had total PCB concentrations exceeding the high-occupancy screening criterion (Table 1). Based on

those results, the primary samples associated with those four composite samples were analyzed (Table 2). Based on the results of the primary samples, four areas (surrounding six primary samples) were identified for cleanup. AMEC directed Clearcreek to scarify the concrete floors in Building 6 and 7 in the areas surrounding sample locations KM09-6-19, KM09-6-23, KM09-6-59, KM09-6-60, KM09-6-62, and KM09-7-24. Between October 20 and 27, 2009, AMEC oversaw scarification of the floors in these areas within Buildings 6 (ground and second floors) and 7. For each separate cleanup site in the facility, the area of inference is defined as specified in TSCA, 40 CFR 761.283 (d). Under TSCA, Phase I analytical results apply to both the individual sample location as well as to an “area of inference.” The area of inference extends outward in four directions from the individual sample location for a distance of one-half the grid interval to four imaginary lines running parallel to the grid axes. Figures 3 and 4 show the area of the concrete floor scarified.

Clearcreek was subcontracted to operate the grinding and vacuuming equipment, and AMEC personnel directed and documented the scarification. The concrete floors were scarified a depth of 0.25 to 0.5 inch, and the material removed was contained in 55-gallon drums provided by Clearcreek. The grinding equipment featured a vacuum with an inline High Efficiency Particulate Air (HEPA) filter attached to a separate container. All concrete dust produced was contained and containerized along with PPE for characterization and disposal of the wastes produced.

4.4 PHASE IV — ADDITIONAL FLOOR SAMPLING

Following scarification of the concrete floor in the locations shown in Figures 3 and 4, additional PCB sampling was completed in Buildings 6 and 7 within the four separate cleanup sites in the facility to assess the effectiveness of cleanup. On October 27 and October 30, 2009, AMEC collected 30 concrete samples at locations surrounding the scarified areas in Buildings 6 and 7, as shown on Figures 7 through 9. Porous surfaces were sampled during this phase of the investigation.

The sampling design was based on a 1.5-meter grid. The grid spacing was based on the requirements of 40 CFR 761.265, 761.280, 761.283 and 761.286 for post-cleanup sampling. Samples were collected at the grid nodes, and two samples were collected from each location. One individual (primary) sample was archived and held pending analysis. The second sample was added to a composite sample created from four to six individual samples as specified in 40 CFR 761.289. Composite and primary sample locations are shown on Figure 7, 8, and 9. Samples were collected, stored, and analyzed according to the same procedures described in Section 4.1.1. The analytical results for the Phase IV investigation are summarized in Table 4 for the composite samples and in Table 5 for the individual primary samples. The data



validation memorandum and laboratory analytical reports are provided in Appendix A and Appendix B, respectively.

5.0 RESULTS

This section discusses the results of the sampling conducted during this investigation and cleanup.

5.1 PHASE I

For screening purposes, the sampling results for porous surfaces were compared to PCB cleanup levels established by EPA for high-occupancy areas and low-occupancy areas (40 CFR 761.61 [4] [i] [A] and [B]), as shown in Tables 1 and 2. If results for composite samples from porous surfaces exceeded the high-occupancy screening criteria (Table 1) established and presented in the PCB Closure and Characterization Plan (AMEC, 2009a), analysis of the primary samples was considered to refine the known extent of PCB contamination.

For screening purposes, the sampling results for nonporous surface were compared to EPA PCB cleanup levels for indoor surfaces. In accordance with 40 CFR Part 761.61(4)(ii), wipe samples were collected from a nonporous steel surface; therefore, the applicable cleanup level is $10 \mu\text{g}/100 \text{ cm}^2$. If results for the composite sample from nonporous surfaces exceeded the cleanup level (Table 1) established and presented in the PCB Closure and Characterization Plan (AMEC, 2009a), analysis of primary samples was considered to refine the known extent of PCB contamination.

The results of the Phase I sampling and analysis are summarized in Table 1 for composite samples and in Table 2 for the individual primary samples. Locations where results exceeded the high-occupancy screening criterion are presented in Figures 3, 4, 5, and 6. The laboratory results and chain-of-custody forms are included in Appendix B. An assessment of these results as they relate to the screening criteria is presented below.

5.1.1 Building 6 — Ground Floor

Two of the four composite samples collected on the ground floor in Building 6 had PCB detections that exceeded the high-occupancy criteria (Table 1). Nine-sample composite KM09-6H-COMP had a total PCB concentration of 1.03 mg/kg, and six-sample composite KM09-6I-COMP had a concentration of 1.08 mg/kg. Based on these results, the discrete primary samples that made up these two composite samples (KM09-6-52 through KM09-6-66) were analyzed. Three of the 15 primary samples analyzed showed total PCB concentrations greater than 1 mg/kg: locations KM09-6-59 (1.5 mg/kg), KM09-6-60 (4.9 mg/kg), and KM09-6-62 (5.4 mg/kg) (Table 2).

5.1.2 Building 6 — Second Floor

One of the five composite samples collected on the second floor in Building 6 had a PCB detection that exceeded the high-occupancy criterion. Nine-sample composite KM09-6C-COMP had a total PCB concentration of 2.4 mg/kg. Based on these results, the discrete primary samples that made up this composite sample (KM09-6-16 through KM09-6-24) were analyzed. Two of the nine primary samples analyzed showed a total PCB concentration greater than 1 mg/kg: locations KM09-6-19 (1.93 mg/kg) and KM09-6-23 (18.5 mg/kg).

5.1.3 Building 7

One of the five composite samples collected in Building 7 had a PCB detection that exceeded the high-occupancy criterion. Nine-sample composite KM09-7C-COMP had a total PCB concentration of 2.6 mg/kg. Based on these results, the discrete primary samples that made up this composite sample (KM09-7-19 through KM09-7-27) were analyzed. One of the nine primary samples analyzed showed a total PCB concentration greater than 1 mg/kg: location KM09-7-24 (25.8 mg/kg).

5.1.4 Building 8 — Ground Floor

Five of the eight composite samples collected on the ground floor in Building 8 had PCB detections that exceeded the high-occupancy screening criterion. Six-sample composite KM09-8E-COMP had a total PCB concentration of 4.7 mg/kg; six-sample composite KM09-8F-COMP had a concentration of 2.01 mg/kg; eight-sample composite KM09-8G-COMP had a concentration of 7.5 mg/kg; eight-sample composite KM09-8H-COMP had a concentration of 4.5 mg/kg; and eight-sample composite KM09-8I-COMP had a concentration of 0.98 mg/kg. Based on the widespread detections greater than the screening criteria, the primary discrete samples for these composite samples were not analyzed. Additionally, results for discrete samples collected from the base of two former floor scale pits (KM09-8-78 and KM09-8-79) showed total PCB concentrations of 44 and 100 mg/kg, respectively, well above the high-occupancy criterion.

5.1.5 Building 8 — Second Floor

None of the three composite samples collected on the second floor in Building 8 had PCB detections that exceeded the high-occupancy criterion.

5.2 PHASE II

Phase II sampling consisted of wall sampling. The locations of samples are shown in Figures 3 through 5, and results of this sampling are summarized in Table 3. PCBs were not detected above the laboratory reporting limit in any of the wall samples collected in Buildings 6

and 7. Three of the six wall samples collected in Building 8 had total PCB concentrations greater than 1 mg/kg, ranging from 1.7 mg/kg to 4.9 mg/kg.

5.3 PHASE III AND IV

This section describes the actions taken and the results of work conducted based on the outcome of Phase I and II.

5.3.1 Building 6 — Ground Floor

Based on the results of the Phase I sampling described in Section 5.1.1, cleanup was performed in the inference areas for primary (discrete) samples KM09-6-59, KM09-6-60, and KM09-6-62 (Figure 3). Cleanup consisted of scarification, as described in Section 4.3.

After scarification, confirmation sampling was performed as described in Section 4.4. The area of scarification and post-scarification sample locations are shown on Figure 7. Two composite samples collected on the ground floor in Building 6 had PCB detections that exceeded the high-occupancy criterion (Table 4). Six-sample composite KM09-6J-COMP had a total PCB concentration of 2.18 mg/kg, and six-sample composite KM09-6K-COMP had a concentration of 1.09 mg/kg. Based on these results, the discrete primary samples that made up these two composite samples (KM09-6-81 through KM09-6-92) were analyzed. Two of the 12 primary samples analyzed showed total PCB concentrations greater than 1 mg/kg: locations KM09-6-84 (4.2 mg/kg) and KM09-6-90 (2.8 mg/kg) (Table 5).

5.3.2 Building 6 — Second Floor

Based on the results of the Phase I sampling described in Section 5.1.2, cleanup was performed in the inference areas for primary (discrete) samples KM09-6-19 and KM09-6-23 (Figure 4). Cleanup consisted of scarification, as described in Section 4.3.

After scarification, confirmation sampling was performed as described in Section 4.4. The area of scarification and post-scarification sample locations are shown on Figure 8. PCBs were detected in the two composite samples collected on the second floor in Building 6 at a concentration that exceeded the high-occupancy criterion (Table 4). Four-sample composite KM09-6L-COMP had a total PCB concentration of 0.5 mg/kg, and four-sample composite KM09-6M-COMP had a total PCB concentration of 3.26 mg/kg. Based on these results, the discrete primary samples that made up these composite samples (KM09-6-73 through KM09-6-80) were analyzed. One of the four primary samples analyzed representing composite sample KM09-6M-COMP showed a total PCB concentration greater than 1 mg/kg; location KM09-6-79 (1.89 mg/kg) (Table 5).

5.3.3 Building 7

Based on the results of the Phase I sampling described in Section 5.1.3, cleanup was performed in the inference areas for primary (discrete) sample KM09-7-24 (Figure 3). Cleanup consisted of scarification, as described in Section 4.3.

After scarification, confirmation sampling was performed as described in Section 4.4. The area of scarification and post-scarification sample locations are shown on Figure 9. No PCBs were detected above the laboratory reporting limit in the composite sample (KM09-7F-COMP) collected in Building 7 (Table 4).

5.3.4 Building 8

Based on the results of Phase I and II sampling in Building 8, described in Sections 5.1.4 and 5.2, and on the planned future use of the property, Kelly Moore is evaluating potential demolition of Building 8 to addressing PCBs Building 8. No additional scarification or sampling was conducted in Building 8 as part of Phase III and IV of this project.

5.4 QUALITY ASSURANCE/QUALITY CONTROL

Quality assurance/quality control (QA/QC) procedures included the analysis of six equipment blanks, two blind field duplicate samples collected from KM09-8D-COMP (labeled KM09-8-DUP) and KM09-6-82 (labeled KM09-6-DUP), and laboratory quality control samples. Data verification was performed in accordance with the EPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (EPA, 2008). The summary data quality review is presented in Appendix A.

Field QA/QC sample results were all nondetections; results are included in Table 6. All other QA data met their respective acceptance criteria. Overall, the results of the QA assessment indicate that the results are valid and usable.

6.0 WASTE MANAGEMENT

Approximately 1,000 gallons of wash water generated during cleaning activities was contained in a transfer tank and then temporarily stored in a 4,000-gallon polyethylene tank on site, pending the analytical results. Solids from scarification, sweeping, and scraping were placed in 55-gallon drums and stored on site, pending the analytical results. Steel plates removed from the floors of Building 8 were wrapped in Visqueen prior to disposal. All used Visqueen, PPE, and other materials generated during cleaning and sampling were also placed in 55-gallon drums, pending the analytical results. AMEC coordinated with Kelly-Moore's environmental waste management firm, Ingenium Group, LLC, of San Jose, California, to assist in sampling for characterization of the wastes produced and disposal of the wastes generated. AMEC collected samples of the individual drums and containers and provided analytical results to Kelly-Moore and Ingenium for waste profiling purposes. Ingenium handled the waste disposal. Available waste manifests and certificates of disposal for wastes generated during this project are included in Appendix C. Additional documentation is expected to be received in February. AMEC will provide to EPA the remaining waste manifests and certificates of disposal for all PCB waste produced during this investigation once they are received from Ingenium.

Consistent with 40 CFR 761.61(a), to date, 6200 kilograms and 5300 liters of PCB waste have been disposed of and 9.0×10^{-3} acres have been remediated.

7.0 CLOSURE COSTS RECORDS RETENTION

In accordance with 40 CFR 761.61(a)(6)(i)-(ii) and 761.61(a)(9) and 761.1258(c)(5)(i)-(ix) AMEC estimated the cost of cleanup to date based on man-hours and dollars. To date, approximately \$107,000 has been spent to investigate, clean, and move towards PCB closure at the facility. Approximately 1070 man-hours have been used toward the cleanup of PCBs on the site. As work is still underway, this total will increase, and the adjusted total will be included in future reports.

In accordance with 40 CFR 761.125(e)(5)(i)-(iv) and 40 CFR 761.61(a)(3)-(a)(5) AMEC is following records retention guidelines for the cleanup of PCBs on the site.

8.0 SUMMARY AND RECOMMENDATIONS

This report documents four phases of investigation and remediation of PCBs in Kelly-Moore's former manufacturing facility in Seattle. In Phase I, floor samples were collected for PCB analysis from August 26 to 31, 2009; a total of 214 samples were collected from Buildings 6, 7, and 8. Porous and nonporous composite samples were analyzed initially to screen composite sample areas with total PCB concentrations in excess of the screening criteria. On the basis of the floor sample results, Phase II consisted of collection of additional samples from walls and support pillars on September 17, 2009. Phase III consisted of cleanup via scarification from October 20 to 27, 2009. Four separate areas in Buildings 6 and 7 where PCB concentrations exceeded the high-occupancy screening criteria were scarified. During Phase IV, floor samples were collected on October 27 and 30, 2009, to assess cleanup of the post scarified concrete floors in Buildings 6 and 7.

8.1 SUMMARY OF PHASE I — INITIAL FLOOR SAMPLING

The sampling results for porous and nonporous floors are summarized below.

- Concentrations of PCBs from 16 composite samples were not detected at concentrations greater than the laboratory reporting limit or the high-occupancy screening criteria.
- The PCB concentrations from four composite samples from locations in Buildings 6 and 7 exceeded the high-occupancy screening criteria. As a result, the primary samples that comprise these four composite samples were analyzed.
- Six of the primary samples (in four areas) from Buildings 6 and 7 had total PCB concentrations greater than the high-occupancy criterion of 1 mg/kg (40 CFR 761.61). These results indicated that portions of the concrete floor needed to be further cleaned, scarified, or removed and the remaining surface subsequently resampled for PCBs (Phases III and IV).
- Samples from Building 8 indicated multiple areas where total PCB concentrations exceeded 1 mg/kg; therefore, Kelly-Moore is evaluating potential demolition of this building. Subsequent PCB confirmation sampling will be required after demolition to evaluate residual concentrations. Kelly-Moore will apprise EPA once a decision regarding demolition has been made. In the interim, Building 8 remains marked and restricted as a PCB-containing area, consistent with the restrictions and marking described in the July 2009 work plan (AMEC, 2009a). Photographic documentation of the closure of Building 8 is included in Appendix D.

8.2 SUMMARY OF PHASE II — ADDITIONAL WALL SAMPLING

The sampling results for porous and nonporous walls are summarized below.

- PCBs were not detected at concentrations above the laboratory reporting limit in 19 primary samples.
- Concentrations of PCBs from three primary samples (all in Building 8) exceeded the high-occupancy criterion (1 mg/kg), and the concentration from one primary sample was above the laboratory reporting limit but less than the high-occupancy screening criterion. Building 8, which may be demolished by Kelly-Moore, contained the most detected concentrations of PCBs, and the wall samples confirm this.

8.3 SUMMARY OF PHASE III AND IV — SCARIFICATION AND ADDITIONAL FLOOR SAMPLING

Scarification and subsequent sampling in accordance with TSCA was completed for the areas surrounding sample locations KM09-6-19, KM09-6-23, KM09-6-59, KM09-6-60, KM09-6-62, and KM09-7-24 in Buildings 6 and 7, where the results from the primary samples exceeded 1 mg/kg.

The post-scarification sampling results for porous floors are summarized below.

- The concentration of PCBs in one post-scarification composite sample was non-detect; PCB concentrations in four post-scarification composite samples (KM09-6J-COMP, KM09-6K-COMP, KM09-6L-COMP and KM09-6M-COMP) were above the high-occupancy screening criterion. As a result, the primary samples for the four composite samples with elevated PCB concentrations were also analyzed.
- Concentrations of PCBs in 18 of 21 primary post-scarification samples were below the high occupancy screening criterion (1 mg/kg)
- Concentrations of PCBs from three post-scarification primary samples exceeded the high-occupancy criterion (1 mg/kg). Additional cleanup and subsequent sampling in accordance with TSCA is planned for the areas surrounding sample locations KM09-6-79, KM09-6-84, and KM09-7-90, where the results from the primary samples exceeded 1 mg/kg. AMEC will produce an addendum to this report presenting the results of the cleanup and sampling for those locations in early 2010.

9.0 REFERENCES

- AMEC, 2009a, PCB Closure and Characterization Plan, Former Kelly-Moore Manufacturing Facilities, 5410 Airport Way South, Seattle, Washington, July.
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- Smith, J.H., 1991, Wipe Sampling and Double Wash / Rinse Cleanup as Recommended by the Environmental Protection Agency Spill Cleanup Policy: U.S. EPA, Office of Prevention, Pesticides and Toxic Substances, April 18.
- EPA (U.S. Environmental Protection Agency), 1985, Verification of PCB Spill Cleanup by Sampling and Analysis: EPA-560/5-026, August.
- EPA, 1997, Draft-Standard Operating Procedure for Sampling Concrete in the Field, Region 1, Office of Environmental Measurement and Evaluation, December 30.
- EPA, 2008, Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-08-01, June.
- SEACOR (Science and Engineering Analysis Corporation), 1994, Phase I Environmental Site Assessment, Preservative Paints, 5400-5502 Airport Way South, Seattle, Washington, August 12.
- SEACOR (SEACOR International Incorporated), 1997, Phase I Environmental Site Assessment Update, Preservative Paints Manufacturing Facility, 5400 Airport Way South, Seattle, Washington, November 21.

TABLES

TABLE 1

PHASE I COMPOSITE BULK AND WIPE FLOOR SAMPLING RESULTS^{1,2}
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample ID	Primary Samples Included and Analyzed Individually	Description of Sample Location	Number of Locations in Composite Sample	High Occupancy Screening Criterion ³	Low Occupancy Screening Criterion ⁴	Sample Date	Units	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
Bulk Samples															
KM09-6A-COMP	NA ⁵	Building 6, second floor, pulverized concrete	6	0.24 mg/kg	5.9 mg/kg	8/26/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-6B-COMP	NA ⁵		9	0.16 mg/kg	3.93 mg/kg	8/26/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-6C-COMP	KM09-6-16 through KM09-6-24		9	0.16 mg/kg	3.93 mg/kg	8/26/2009	mg/kg	2.4	<0.20	<0.20	<0.20	0.23	<0.20	1.2	0.97
KM09-6D-COMP	NA ⁵		6	0.24 mg/kg	5.9 mg/kg	8/26/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-6E-COMP	NA ⁵		6	0.24 mg/kg	5.9 mg/kg	8/26/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-6F-COMP	NA ⁵	Building 6, ground floor, pulverized concrete	6	0.24 mg/kg	5.9 mg/kg	8/27/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-6G-COMP	NA ⁵		9	0.16 mg/kg	3.93 mg/kg	8/27/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-6H-COMP	KM09-6-52 through KM09-6-60		9	0.16 mg/kg	3.93 mg/kg	8/27/2009	mg/kg	1.03	<0.20	<0.20	<0.20	<0.20	<0.20	0.33	0.70
KM09-6I-COMP	KM09-6-61 through KM09-6-66		6	0.24 mg/kg	5.9 mg/kg	8/27/2009	mg/kg	1.08	<0.20	<0.20	<0.20	<0.20	<0.20	0.36	0.72
KM09-7A-COMP	NA ⁵	Building 7, ground floor, pulverized concrete	9	0.16 mg/kg	3.93 mg/kg	8/27/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-7B-COMP	NA ⁵		9	0.16 mg/kg	3.93 mg/kg	8/27/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-7C-COMP	KM09-7-19 through KM09-7-27		9	0.16 mg/kg	3.93 mg/kg	8/27/2009	mg/kg	2.6	<0.20	<0.20	<0.20	<0.20	<0.20	1.5	1.1
KM09-7D-COMP	NA ⁵		8	0.18 mg/kg	4.42 mg/kg	8/28/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-7E-COMP	NA ⁵		9	0.16 mg/kg	3.93 mg/kg	8/28/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-8C-COMP	NA ⁵	Building 8, second floor, wood shavings	5	0.28 mg/kg	7.08 mg/kg	8/28/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
KM09-8D-COMP/ KM09-8-DUP	NA ⁵	Building 8, ground floor, pulverized concrete	9	0.16 mg/kg	3.93 mg/kg	8/28/2009	mg/kg	<0.20/<0.20	<0.20/<0.20	<0.20/<0.20	<0.20/<0.20	<0.20/<0.20	<0.20/<0.20	<0.20/<0.20	<0.20/<0.20
KM09-8E-COMP	NA ⁶		6	0.24 mg/kg	5.9 mg/kg	8/31/2009	mg/kg	4.7	<0.20	<0.20	<0.20	<0.20	<0.20	2.4	2.3
KM09-8F-COMP	NA ⁶		6	0.24 mg/kg	5.9 mg/kg	8/31/2009	mg/kg	2.01	<0.20	<0.20	<0.20	<0.20	<0.20	1.1	0.91
KM09-8G-COMP	NA ⁶		8	0.18 mg/kg	4.42 mg/kg	8/31/2009	mg/kg	7.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	7.5
KM09-8H-COMP	NA ⁶		8	0.18 mg/kg	4.42 mg/kg	8/31/2009	mg/kg	4.5	<0.20	<0.20	<0.20	<0.20	<0.20	2.7	1.8
KM09-8I-COMP	NA ⁶		8	0.18 mg/kg	4.42 mg/kg	8/31/2009	mg/kg	0.98	<0.20	<0.20	<0.20	<0.20	<0.20	0.64	0.34
KM09-8J-COMP	NA ⁶		6	0.24 mg/kg	5.9 mg/kg	8/31/2009	mg/kg	0.23	<0.20	<0.20	<0.20	<0.20	<0.20	0.23	<0.20
KM09-8K-COMP	NA ⁵		9	0.16 mg/kg	3.93 mg/kg	8/31/2009	mg/kg	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

TABLE 1

PHASE I COMPOSITE BULK AND WIPE FLOOR SAMPLING RESULTS^{1,2}
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample ID	Primary Samples Included and Analyzed Individually	Description of Sample Location	Number of Locations in Composite Sample	High Occupancy Screening Criterion ³	Low Occupancy Screening Criterion ⁴	Sample Date	Units	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
Wipe Samples															
KM09-8A-COMP	NA ⁵	Building 8, second floor, steel floor wipe sample	6	10 µg/100 cm ^{2, 7}		8/28/2009	µg/100 cm ²	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83
KM09-8B-COMP	NA ⁵	Building 8, second floor, steel floor wipe sample	6	10 µg/100 cm ^{2, 7}		8/28/2009	µg/100 cm ²	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83	<0.83

- Notes
- All samples were collected on August 26-31, 2009, and analyzed for PCBs by EPA Method 8082 at OnSite Environmental Inc., in Redmond, Washington.
 - Detected concentrations greater than high-occupancy screening criterion are shown in **bold**.
 - High-occupancy cleanup levels were established as screening criteria for composite samples. The screening criteria were calculated using the method described by the EPA (1985). High-occupancy screening criteria were calculated by $(0.8) \cdot (1 \text{ mg/kg}) + (2.576) \cdot (0.3) \cdot (0.8) \cdot (1.0) = 1.42 \text{ mg/kg/number of subsamples in composite}$.
 - Low-occupancy cleanup levels were established as screening criteria for composite samples. The screening criteria were calculated using the method described by the EPA (1985). Low-occupancy screening criteria were calculated by $(0.8) \cdot (25 \text{ mg/kg}) + (2.576) \cdot (0.3) \cdot (0.8) \cdot (1.0) = 35.4 \text{ mg/kg/ number of subsamples in composite}$.
 - Primary samples were not analyzed because concentrations of total PCBs in the composite sample were less than the reporting limit shown.
 - Primary samples were not analyzed because detections of total PCBs in the composite sample at concentrations greater than the high-occupancy screening criteria were widespread and prevalent throughout Building 8. The multiple areas of PCB detections made it infeasible to locate the exceedances with more accuracy.
 - PCB cleanup levels for non-porous surfaces for high-occupancy areas are established in the Toxic Substances Control Act (40 CFR Part 761.61).

Abbreviations

< = compound not detected at or above laboratory reporting limit shown

µg/100 cm² = micrograms per 100 square centimeters

mg/kg = milligrams per kilogram

NA = not applicable

PCBs = polychlorinated biphenyls

TABLE 2

PHASE I PRIMARY BULK FLOOR SAMPLING RESULTS^{1,2}

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Results reported in milligrams per kilogram (mg/kg)

Sample ID	Composite Grid	Sample Date	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM09-6-1	KM09-6A-COMP	8/26/09	Not Analyzed							
KM09-6-2		8/26/09								
KM09-6-3		8/26/09								
KM09-6-4		8/26/09								
KM09-6-5		8/26/09								
KM09-6-6		8/26/09								
KM09-6-7	KM09-6B-COMP	8/26/09	Not Analyzed							
KM09-6-8		8/26/09								
KM09-6-9		8/26/09								
KM09-6-10		8/26/09								
KM09-6-11		8/26/09								
KM09-6-12		8/26/09								
KM09-6-13		8/26/09								
KM09-6-14		8/26/09								
KM09-6-15		8/26/09								
KM09-6-16	KM09-6C-COMP	8/26/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-17		8/26/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-18		8/26/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-19		8/26/09	1.93	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	0.73
KM09-6-20		8/26/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-21		8/26/09	0.66	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.66
KM09-6-22		8/26/09	0.61	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.61
KM09-6-23		8/26/09	18.5	<0.50	<0.50	<0.50	<0.50	<0.50	13	5.5
KM09-6-24		8/26/09	0.91	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-25	KM09-6D-COMP	8/26/09	Not Analyzed							
KM09-6-26		8/26/09								
KM09-6-27		8/26/09								
KM09-6-28		8/26/09								
KM09-6-29		8/26/09								
KM09-6-30		8/26/09								
KM09-6-31	KM09-6E-COMP	8/26/09	Not Analyzed							
KM09-6-32		8/26/09								
KM09-6-33		8/26/09								
KM09-6-34		8/26/09								
KM09-6-35		8/26/09								
KM09-6-36		8/26/09								

TABLE 2

PHASE I PRIMARY BULK FLOOR SAMPLING RESULTS^{1,2}

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Results reported in milligrams per kilogram (mg/kg)

Sample ID	Composite Grid	Sample Date	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM09-6-37	KM09-6F-COMP	8/27/09	Not Analyzed							
KM09-6-38		8/27/09								
KM09-6-39		8/27/09								
KM09-6-40		8/27/09								
KM09-6-41		8/27/09								
KM09-6-42		8/27/09								
KM09-6-43	KM09-6G-COMP	8/27/09	Not Analyzed							
KM09-6-44		8/27/09								
KM09-6-45		8/27/09								
KM09-6-46		8/27/09								
KM09-6-47		8/27/09								
KM09-6-48		8/27/09								
KM09-6-49		8/27/09								
KM09-6-50		8/27/09								
KM09-6-51		8/27/09								
KM09-6-52	KM09-6H-COMP	8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-53		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-54		8/27/09	0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-55		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-56		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-57		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-58		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-59		8/27/09	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.50
KM09-6-60		8/27/09	4.9	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	3.20
KM09-6-61	KM09-6I-COMP	8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-62		8/27/09	5.4	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	3.50
KM09-6-63		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-64		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-65		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-66		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-1	KM09-7A-COMP	8/27/09	Not Analyzed							
KM09-7-2		8/27/09								
KM09-7-3		8/27/09								
KM09-7-4		8/27/09								
KM09-7-5		8/27/09								
KM09-7-6		8/27/09								
KM09-7-7		8/27/09								
KM09-7-8		8/27/09								
KM09-7-9		8/27/09								

TABLE 2

PHASE I PRIMARY BULK FLOOR SAMPLING RESULTS^{1,2}

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Results reported in milligrams per kilogram (mg/kg)

Sample ID	Composite Grid	Sample Date	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM09-7-10	KM09-7B-COMP	8/27/09	Not Analyzed							
KM09-7-11		8/27/09								
KM09-7-12		8/27/09								
KM09-7-13		8/27/09								
KM09-7-14		8/27/09								
KM09-7-15		8/27/09								
KM09-7-16		8/27/09								
KM09-7-17		8/27/09								
KM09-7-18		8/27/09								
KM09-7-19	KM09-7C-COMP	8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-20		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-21		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-22		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-23		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-24		8/27/09	25.8	<0.50	<0.50	<0.50	<0.50	<0.50	17	8.8
KM09-7-25		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-26		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-27		8/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-28	KM09-7D-COMP	8/28/09	Not Analyzed							
KM09-7-29		8/28/09								
KM09-7-30		8/28/09								
KM09-7-31		8/28/09								
KM09-7-32		8/28/09								
KM09-7-33		8/28/09								
KM09-7-34		8/28/09								
KM09-7-35		8/28/09	Not Analyzed							
KM09-7-36	KM09-7E-COMP	8/28/09								
KM09-7-37		8/28/09								
KM09-7-38		8/28/09								
KM09-7-39		8/28/09								
KM09-7-40		8/28/09								
KM09-7-41		8/28/09								
KM09-7-42		8/28/09								
KM09-7-43		8/28/09								
KM09-7-44		8/28/09	Not Analyzed							
KM09-8-1	KM09-8A-COMP	8/28/09								
KM09-8-2		8/28/09								
KM09-8-3		8/28/09								
KM09-8-4		8/28/09								
KM09-8-5		8/28/09								

TABLE 2

PHASE I PRIMARY BULK FLOOR SAMPLING RESULTS^{1,2}

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Results reported in milligrams per kilogram (mg/kg)

Sample ID	Composite Grid	Sample Date	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM09-8-6	KM09-8B-COMP	8/28/09	Not Analyzed							
KM09-8-7		8/28/09								
KM09-8-8		8/28/09								
KM09-8-9		8/28/09								
KM09-8-10		8/28/09								
KM09-8-11		8/28/09								
KM09-8-12	KM09-8C-COMP	8/28/09	Not Analyzed							
KM09-8-13		8/28/09								
KM09-8-14		8/28/09								
KM09-8-15		8/28/09								
KM09-8-16		8/28/09								
KM09-8-17		8/28/09								
KM09-8-18	KM09-8D-COMP	8/28/09	Not Analyzed							
KM09-8-19		8/28/09								
KM09-8-20		8/28/09								
KM09-8-21		8/28/09								
KM09-8-22		8/28/09								
KM09-8-23		8/28/09								
KM09-8-24		8/28/09								
KM09-8-25		8/28/09								
KM09-8-26		8/28/09								
KM09-8-27	KM09-8E-COMP	8/31/09	Not Analyzed							
KM09-8-28		8/31/09								
KM09-8-29		8/31/09								
KM09-8-30		8/31/09								
KM09-8-31		8/31/09								
KM09-8-32		8/31/09								
KM09-8-33	KM09-8F-COMP	8/31/09	Not Analyzed							
KM09-8-34		8/31/09								
KM09-8-35		8/31/09								
KM09-8-36		8/31/09								
KM09-8-37		8/31/09								
KM09-8-38		8/31/09								

TABLE 2

PHASE I PRIMARY BULK FLOOR SAMPLING RESULTS^{1,2}

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Results reported in milligrams per kilogram (mg/kg)

Sample ID	Composite Grid	Sample Date	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM09-8-39	KM09-8G-COMP	8/31/09	Not Analyzed							
KM09-8-40		8/31/09								
KM09-8-41		8/31/09								
KM09-8-42		8/31/09								
KM09-8-43		8/31/09								
KM09-8-44		8/31/09								
KM09-8-45		8/31/09								
KM09-8-46		8/31/09								
KM09-8-47	KM09-8H-COMP	8/31/09	Not Analyzed							
KM09-8-48		8/31/09								
KM09-8-49		8/31/09								
KM09-8-50		8/31/09								
KM09-8-51		8/31/09								
KM09-8-52		8/31/09								
KM09-8-53		8/31/09								
KM09-8-54		8/31/09								
KM09-8-55	KM09-8I-COMP	8/31/09	Not Analyzed							
KM09-8-56		8/31/09								
KM09-8-57		8/31/09								
KM09-8-58		8/31/09								
KM09-8-59		8/31/09								
KM09-8-60		8/31/09								
KM09-8-61		8/31/09								
KM09-8-62		8/31/09								
KM09-8-63	KM09-8J-COMP	8/31/09	Not Analyzed							
KM09-8-64		8/31/09								
KM09-8-65		8/31/09								
KM09-8-66		8/31/09								
KM09-8-67		8/31/09								
KM09-8-68		8/31/09								
KM09-8-69	KM09-8K-COMP	8/31/09	Not Analyzed							
KM09-8-70		8/31/09								
KM09-8-71		8/31/09								
KM09-8-72		8/31/09								
KM09-8-73		8/31/09								
KM09-8-74		8/31/09								
KM09-8-75		8/31/09								
KM09-8-76		8/31/09								
KM09-8-77		8/31/09								

TABLE 2

PHASE I PRIMARY BULK FLOOR SAMPLING RESULTS^{1,2}

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Results reported in milligrams per kilogram (mg/kg)

Sample ID	Composite Grid	Sample Date	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM09-8-78	Building 8, former floor scales, subfloor, pulverized concrete	8/31/09	44	<50	<50	<50	<10	<10	16	28
KM09-8-79	Building 8, former floor scales, subfloor, pulverized concrete	8/31/09	100	<10	<10	<10	<10	<10	<10	100
High-Occupancy Screening Criterion³			1	--	--	--	--	--	--	--
Low-Occupancy Screening Criterion³			25	--	--	--	--	--	--	--

Notes

1. All samples were collected on August 26-31, 2009, and analyzed for PCBs by EPA Method 8082 at OnSite Environmental Inc., in Redmond, Washington.
2. Concentrations greater than high-occupancy screening criterion are shown in **bold**.
3. For primary samples, PCB cleanup levels for low-occupancy and high-occupancy areas are established in the Toxic Substances Control Act (40 CFR Part 761.61).

Abbreviations

< = compound not detected at or above laboratory reporting limit shown

CFR = Code of Federal Regulations

EPA = U.S. Environmental Protection Agency

mg/kg = milligrams per kilogram

PCBs = polychlorinated biphenyls

TABLE 3

PHASE II BULK AND WIPE WALL SAMPLING RESULTS^{1,2}
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample ID	Description of Sample Location	High-Occupancy Criterion ³	Low-Occupancy Criterion ³	Sample Date	Units	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
Bulk Samples													
KM09-6-67	Building 6, second floor, wall, pulverized concrete	1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-68		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-69		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-70		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-71		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-72		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-73	Building 6, ground floor, wall, pulverized concrete	1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-74		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-75		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-76		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-77		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-78		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-45	Building 7, ground floor, wall, pulverized concrete	1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-48	Building 7, ground floor, wall, wood shavings	1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-8-80	Building 8, ground floor, wall, pulverized concrete	1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-8-81	Building 8, ground floor, wall, wood shavings	1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	4.9	<0.50	<0.50	<0.50	0.60	<0.50	4.3	<0.50
KM09-8-82		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	<0.50
KM09-8-83		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	<0.50
KM09-8-84		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	0.69	<0.50	<0.50	<0.50	<0.50	<0.50	0.69	<0.50
KM09-8-85		1.0 mg/kg	25 mg/kg	9/17/2009	mg/kg	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Wipe Samples													
KM09-7-46	Building 7, ground floor, steel support pillar	10 µg/100 cm ²		9/17/2009	µg/100 cm ²	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
KM09-7-47	Building 7, ground floor, steel support pillar	10 µg/100 cm ²		9/17/2009	µg/100 cm ²	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
KM09-7-49	Building 7, ground floor, steel support pillar	10 µg/100 cm ²		9/17/2009	µg/100 cm ²	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

Notes

- All samples were collected on September 17-18, 2009, and analyzed for PCBs by EPA Method 8082 at OnSite Environmental Inc., in Redmond, Washington.
- Concentrations greater than high-occupancy screening criterion are shown in **bold**.
- For primary samples, PCB cleanup levels for bulk waste and nonporous surfaces for low-occupancy and high-occupancy areas are established in the Toxic Substances Control Act (40 CFR Part 761.61).

Abbreviations

< = compound not detected at or above laboratory reporting limit shown
 CFR = Code of Federal Regulations
 EPA = U.S. Environmental Protection Agency
 µg/100 cm² = micrograms per 100 cubic centimeters
 mg/kg = milligrams per kilogram
 PCBs = polychlorinated biphenyls

TABLE 4

PHASE IV COMPOSITE BULK FLOOR SAMPLING RESULTS^{1,2}
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample ID	Primary Samples Included and Analyzed Individually	Description of Sample Location	Number of Locations in Composite Sample	High Occupancy Screening Criterion ³	Low Occupancy Screening Criterion ⁴	Sample Date	Units	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM09-6J-COMP	KM09-6-87 through KM09-6-92	Building 6, ground floor, pulverized concrete	6	0.24 mg/kg	5.9 mg/kg	10/30/2009	mg/kg	2.18	<0.20	<0.20	<0.20	<0.20	<0.20	0.88	1.3
KM09-6K-COMP	KM09-6-81 through KM09-6-86		6	0.24 mg/kg	5.9 mg/kg	10/30/2009	mg/kg	1.09	<0.20	<0.20	<0.20	<0.20	<0.20	0.23	0.86
KM09-6L-COMP	KM09-6-73 through KM09-6-76	Building 6, second floor, pulverized concrete	4	0.36 mg/kg	8.85 mg/kg	10/27/2009	mg/kg	0.50	<0.20	<0.20	<0.20	<0.20	<0.20	0.27	0.23
KM09-6M-COMP	KM09-6-77 through KM09-6-80		4	0.36 mg/kg	8.85 mg/kg	10/27/2009	mg/kg	3.26	<0.20	<0.20	<0.20	0.26	<0.20	1.6	1.4
KM09-7F-COMP	NA ⁵	Building 7, ground floor, pulverized concrete	4	0.36 mg/kg	8.85 mg/kg	10/27/2009	mg/kg	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

- Notes
- 1. All samples were collected on October 27 and 30, 2009, and analyzed for PCBs by EPA Method 8082 at OnSite Environmental, Inc., in Redmond, Washington.
 - 2. Concentrations greater than high-occupancy screening criterion are shown in **bold**.
 - 3. High-occupancy cleanup levels were established as screening criteria for composite samples. The screening criteria were calculated using the method described by the EPA (1985). High-occupancy screening criteria were calculated by $(0.8) \cdot (1 \text{ mg/kg}) + (2.576) \cdot (0.3) \cdot (0.8) \cdot (1.0) = 1.42 \text{ mg/kg/ number of subsamples in composite}$.
 - 4. Low-occupancy cleanup levels were established as screening criteria for composite samples. The screening criteria were calculated using the method described by the EPA (1985). Low-occupancy screening criteria were calculated by $(0.8) \cdot (25 \text{ mg/kg}) + (2.576) \cdot (0.3) \cdot (0.8) \cdot (1.0) = 35.4 \text{ mg/kg/ number of subsamples in composite}$.
 - 5. Not applicable. Primary samples not analyzed, since PCBs were not detected in composite sample.

Abbreviations

< = compound not detected at or above laboratory reporting limit shown

EPA = U.S. Environmental Protection Agency

mg/kg = milligrams per kilogram

PCBs = polychlorinated biphenyls

TABLE 5

PHASE IV PRIMARY BULK FLOOR SAMPLING RESULTS^{1,2}

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Results reported in milligrams per kilogram (mg/kg)

Results reported in nanograms per kilogram (ng/kg)										
Sample ID	Sample Source	Sample Date	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
KM09-6-73	KM09-6L-COMP	10/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-74		10/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-75		10/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-76		10/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-77	KM09-6M-COMP	10/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-78		10/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-79		10/27/09	1.89	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	0.79
KM09-6-80		10/27/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-81	KM09-6K-COMP	10/30/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-82/ KM09-6-DUP ³		10/30/09	<0.50/ <0.50	<0.50/ <0.50	<0.50/ <0.50	<0.50/ <0.50	<0.50/ <0.50	<0.50/ <0.50	<0.50/ <0.50	<0.50/ <0.50
KM09-6-83		10/30/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-84		10/30/09	4.2	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	2.60
KM09-6-85		10/30/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-86		10/30/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-87	KM09-6J-COMP	10/30/09	0.58	<0.50	<0.50	<0.50	<0.50	<0.50	0.58	<0.50
KM09-6-88		10/30/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-89		10/30/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-90		10/30/09	2.8	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2.8
KM09-6-91		10/30/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-6-92		10/30/09	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
KM09-7-49	KM09-7F-COMP	10/27/09	Not Analyzed							
KM09-7-50		10/27/09								
KM09-7-51		10/27/09								
KM09-7-52		10/27/09								
High-Occupancy Screening Criterion ⁴			1	--	--	--	--	--	--	--
Low-Occupancy Screening Criterion ⁴			25	--	--	--	--	--	--	--

Notes

1. All samples were collected on October 27 and 30, 2009, and analyzed for PCBs by EPA Method 8082 at OnSite Environmental, Inc., in Redmond, Washington.
2. Concentrations greater than high-occupancy screening criterion are shown in **bold**.
3. Duplicate concrete dust sample indicated as value after the "/".
4. For primary samples, PCB cleanup levels for low-occupancy and high-occupancy areas are established in the Toxic Substances Control Act (40 CFR Part 761.61).

Abbreviations

< = compound not detected at or above laboratory reporting limit shown
CFR = Code of Federal Regulations
EPA = U.S. Environmental Protection Agency
mg/kg = milligrams per kilogram
PCBs = polychlorinated biphenyls



TABLE 6

QUALITY ASSURANCE AND QUALITY CONTROL SAMPLING RESULTS¹
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample ID	Source Composite Sample	Sample Date	Units	Total PCBs	Aroclor 1016	Aroclor 121	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
EB-01-082609	Deionized water poured over sampling utensils and drill bit	8/26/2009	µg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
EB-02-082709	Deionized water poured over sampling utensils and drill bit	8/27/2009	µg/L	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099
EB-03-082809	Deionized water poured over sampling utensils and drill bit	8/28/2009	µg/L	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
EB-04-083109	Deionized water poured over sampling utensils and drill bit	8/31/2009	µg/L	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
EB-05-091709	Deionized water poured over sampling utensils and drill bit	9/17/2009	µg/L	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051
EB-06-102709	Deionized water poured over sampling utensils and drill bit	10/27/2009	µg/L	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049

Notes

- All equipment blank samples were collected on August 26-31, September 17-18, and October 27, 2009, and analyzed for PCBs by EPA Method 8082 at OnSite Environmental Inc., in Redmond, Washington. Laboratory-provided deionized water was used for each sample collected.

Abbreviations

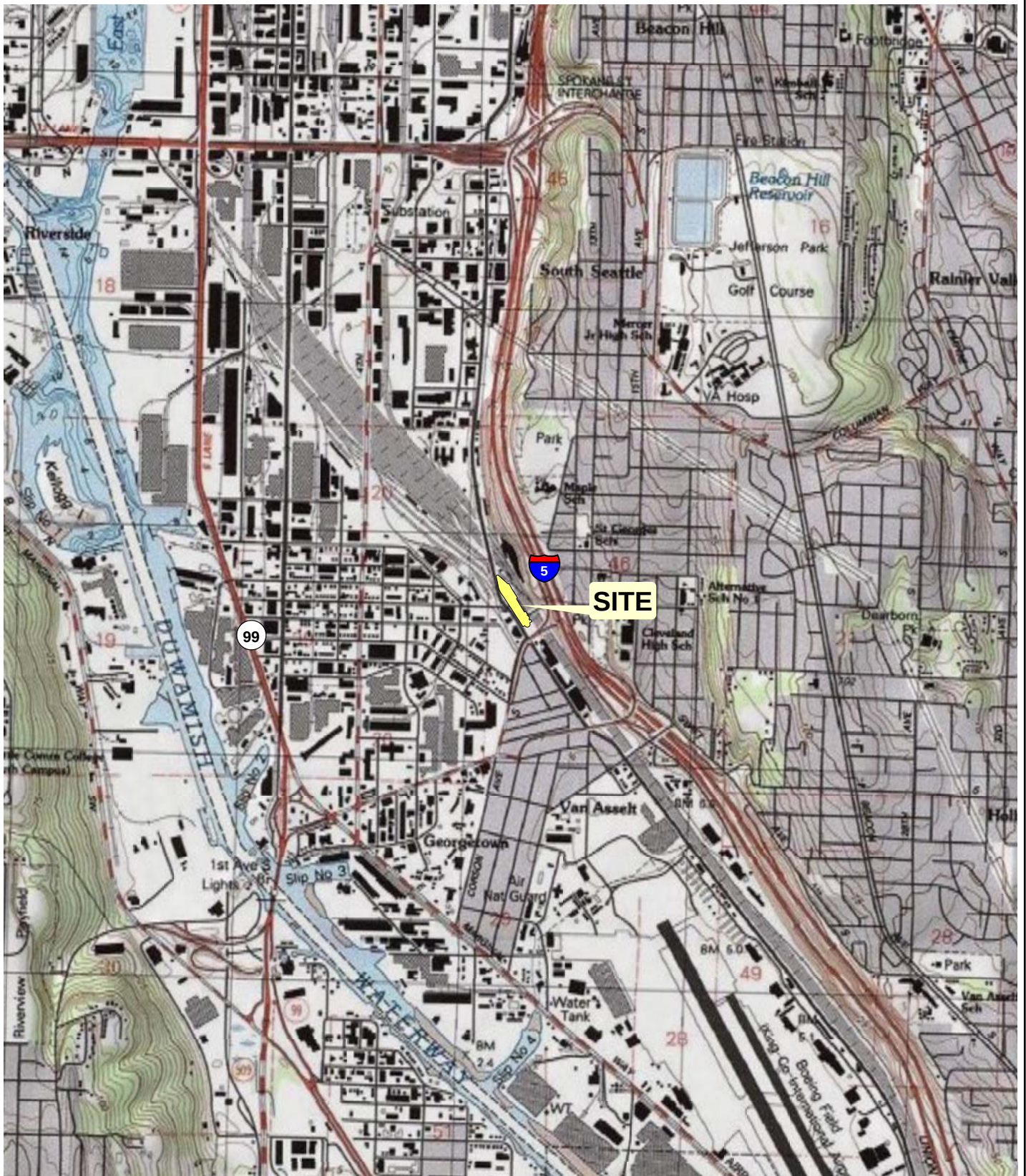
< = compound not detected at or above laboratory reporting limit shown

EPA = U.S. Environmental Protection Agency

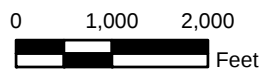
µg/L = micrograms per liter

PCBs = polychlorinated biphenyls

FIGURES



Note: Base map from U.S.G.S. Seattle South E, WA.
(7.5' Map Series)



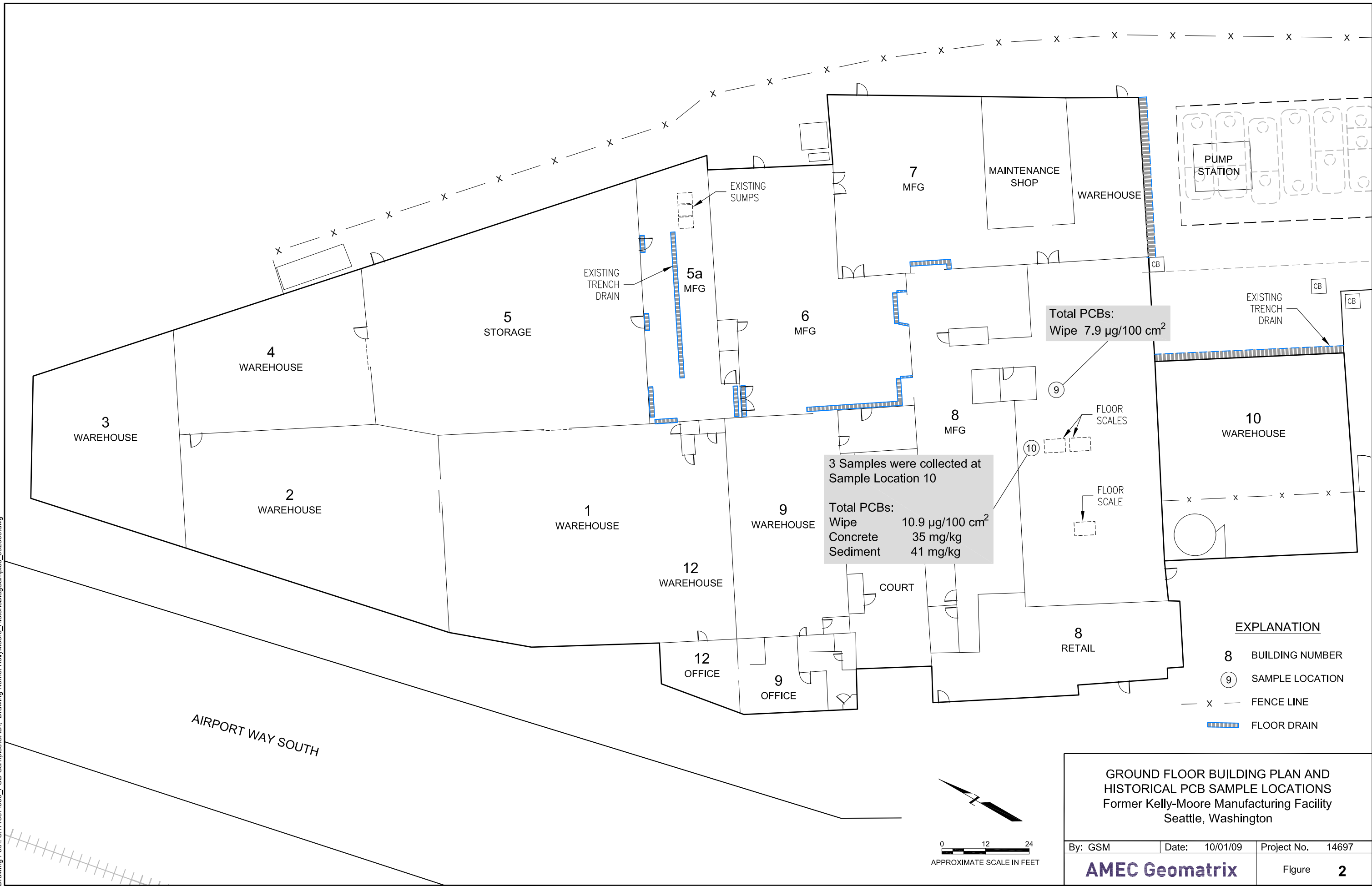
SITE LOCATION
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

By: APS	Date: 09/23/09	Project No. 14697
---------	----------------	-------------------

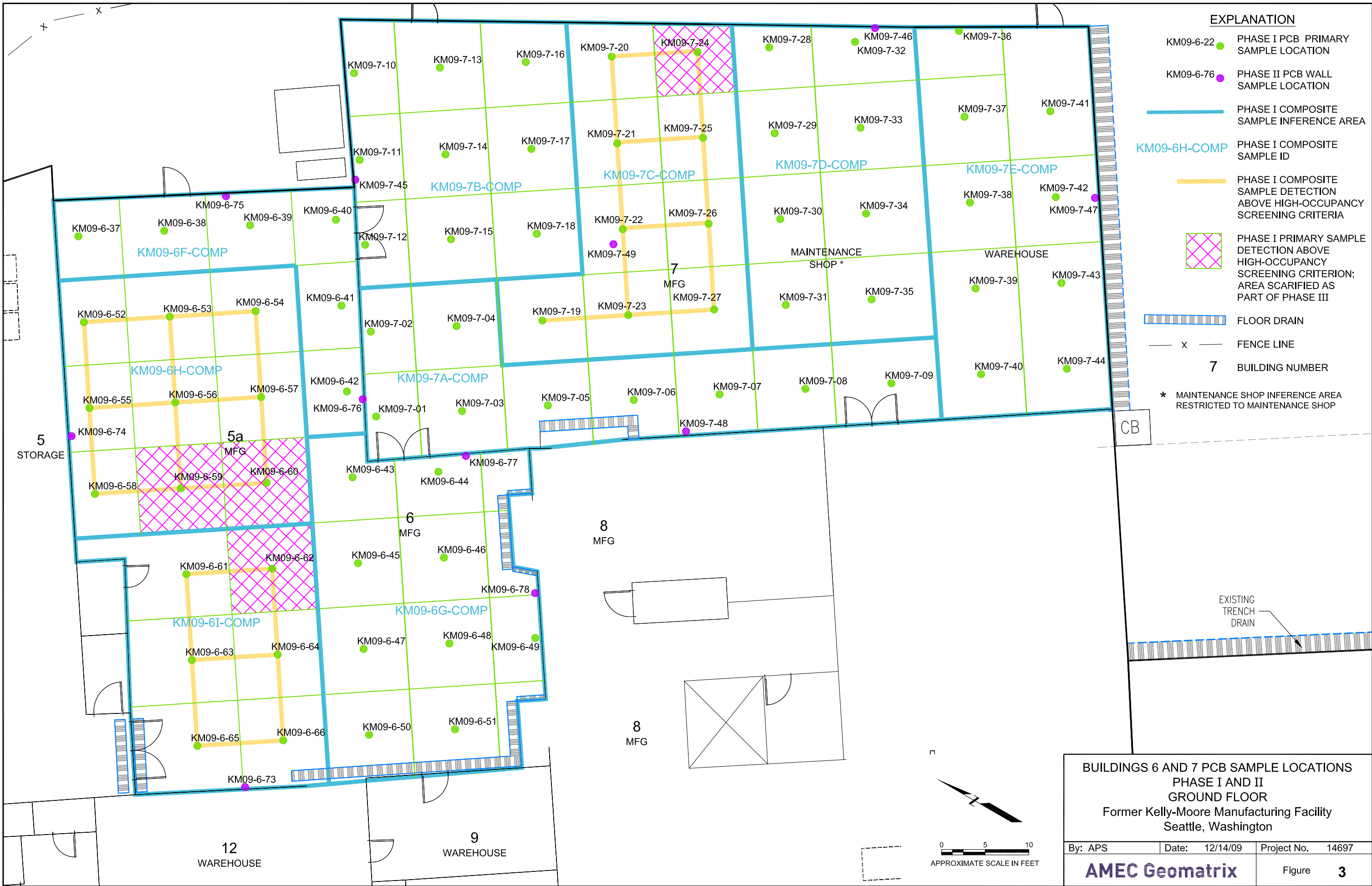
AMEC Geomatrix

Figure **1**

Plot Date: 10/01/09 - 2:35pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\003_PCB-Samples\CAD\, Drawing Name: KellyMoore_HistoricBldgSamples_092309.dwg

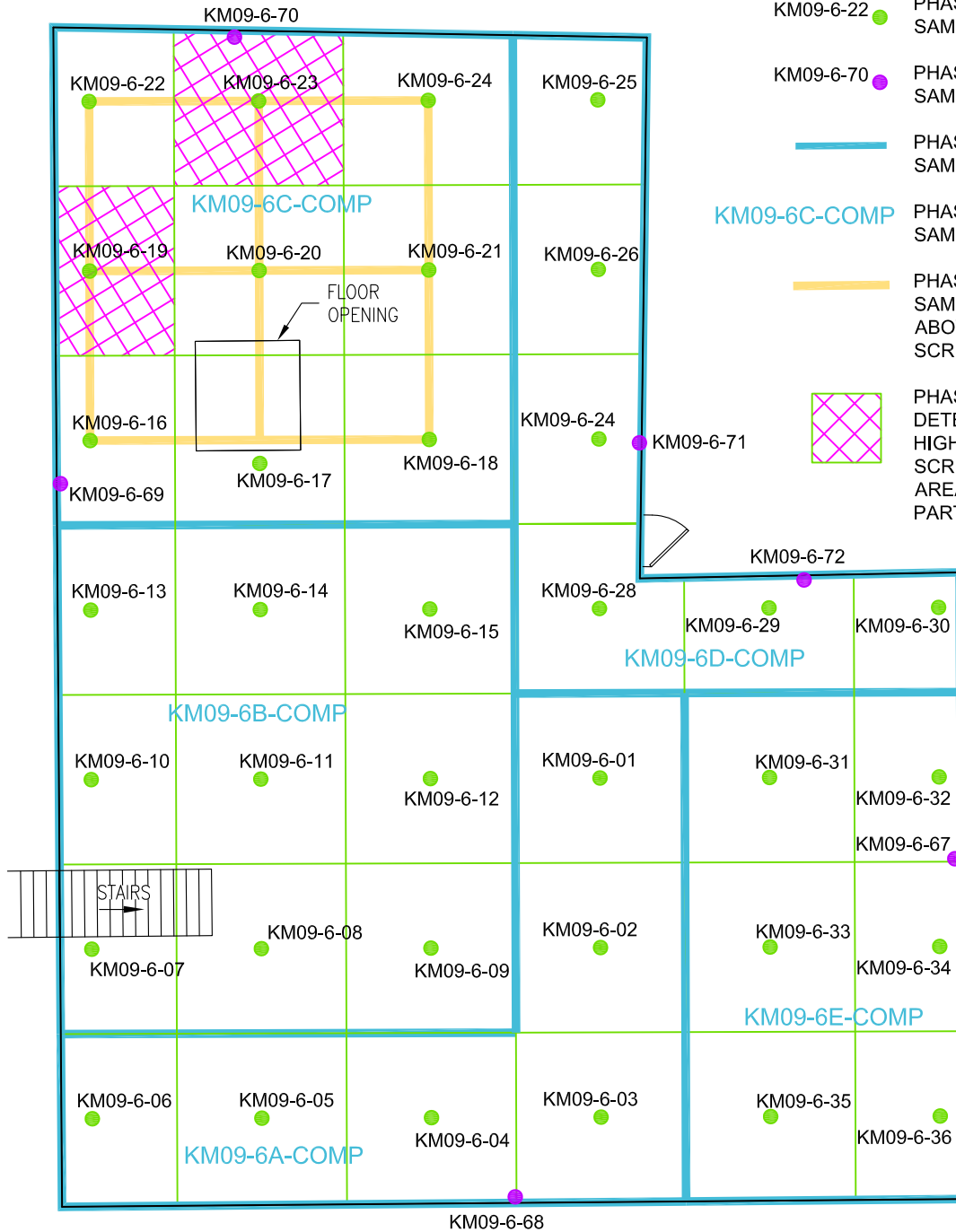


Plot Date: 12/14/09 - 3:56pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\003_PCB-Samples\CAD, Drawing Name: KellyMoore_BldgSamples_120109.dwg

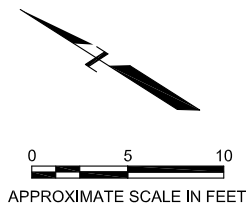


EXPLANATION

- KM09-6-22 ● PHASE I PCB PRIMARY SAMPLE LOCATION
- KM09-6-70 ● PHASE II PCB WALL SAMPLE LOCATION
- PHASE I COMPOSITE SAMPLE INFERENCE AREA
- KM09-6C-COMP PHASE I COMPOSITE SAMPLE ID
- PHASE I COMPOSITE SAMPLE DETECTION ABOVE HIGH-OCCUPANCY SCREENING CRITERIA
- ▨ PHASE I PRIMARY SAMPLE DETECTION ABOVE HIGH-OCCUPANCY SCREENING CRITERION; AREA SCARIFIED AS PART OF PHASE III



KM09-6-68

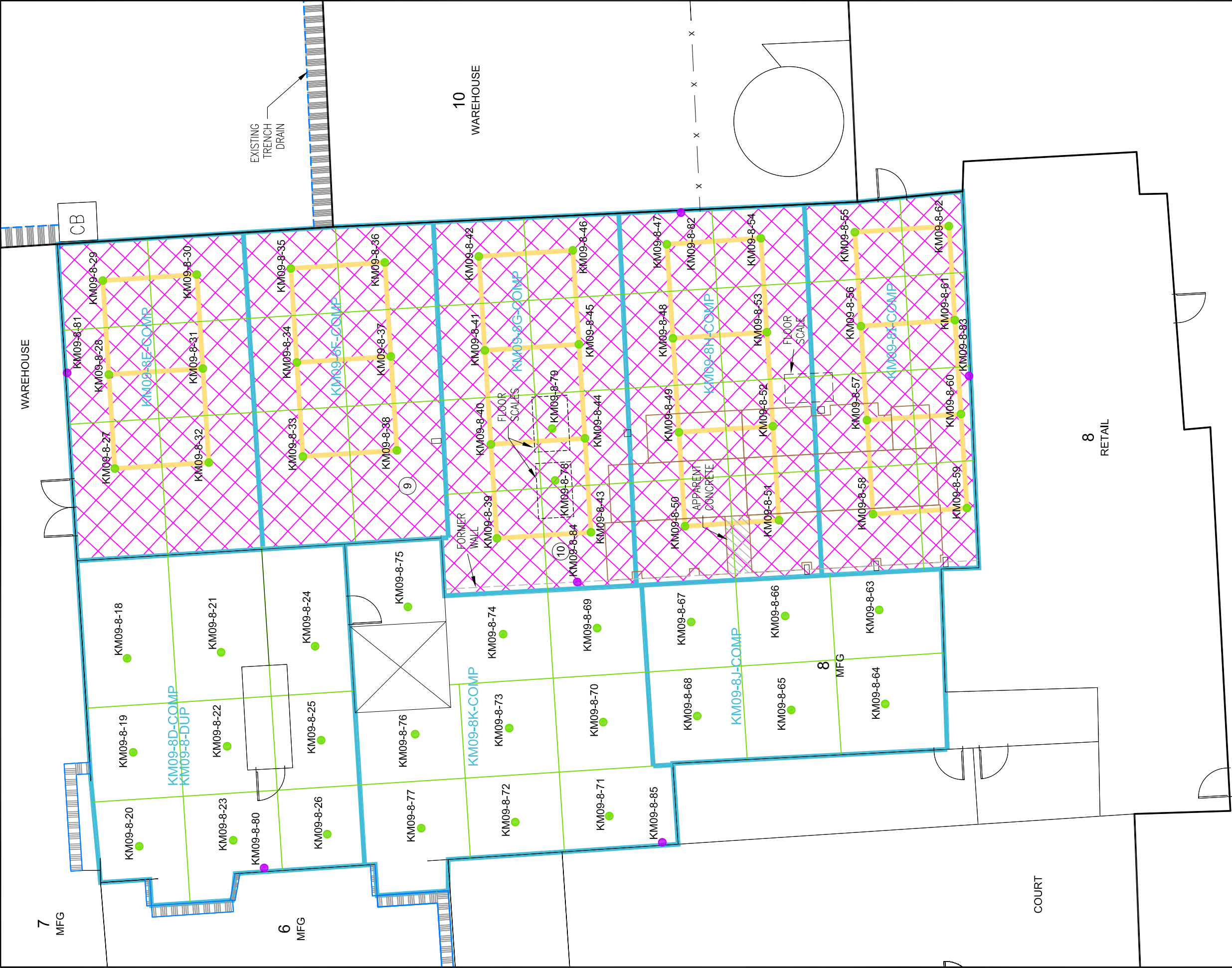


BUILDING 6 PCB SAMPLE LOCATIONS PHASE I AND II SECOND FLOOR Former Kelly-Moore Manufacturing Facility Seattle, Washington

By: APS Date: 12/14/09 Project No. 14697

AMEC Geomatrix

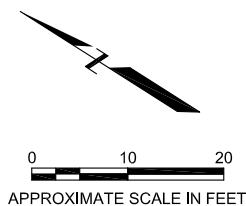
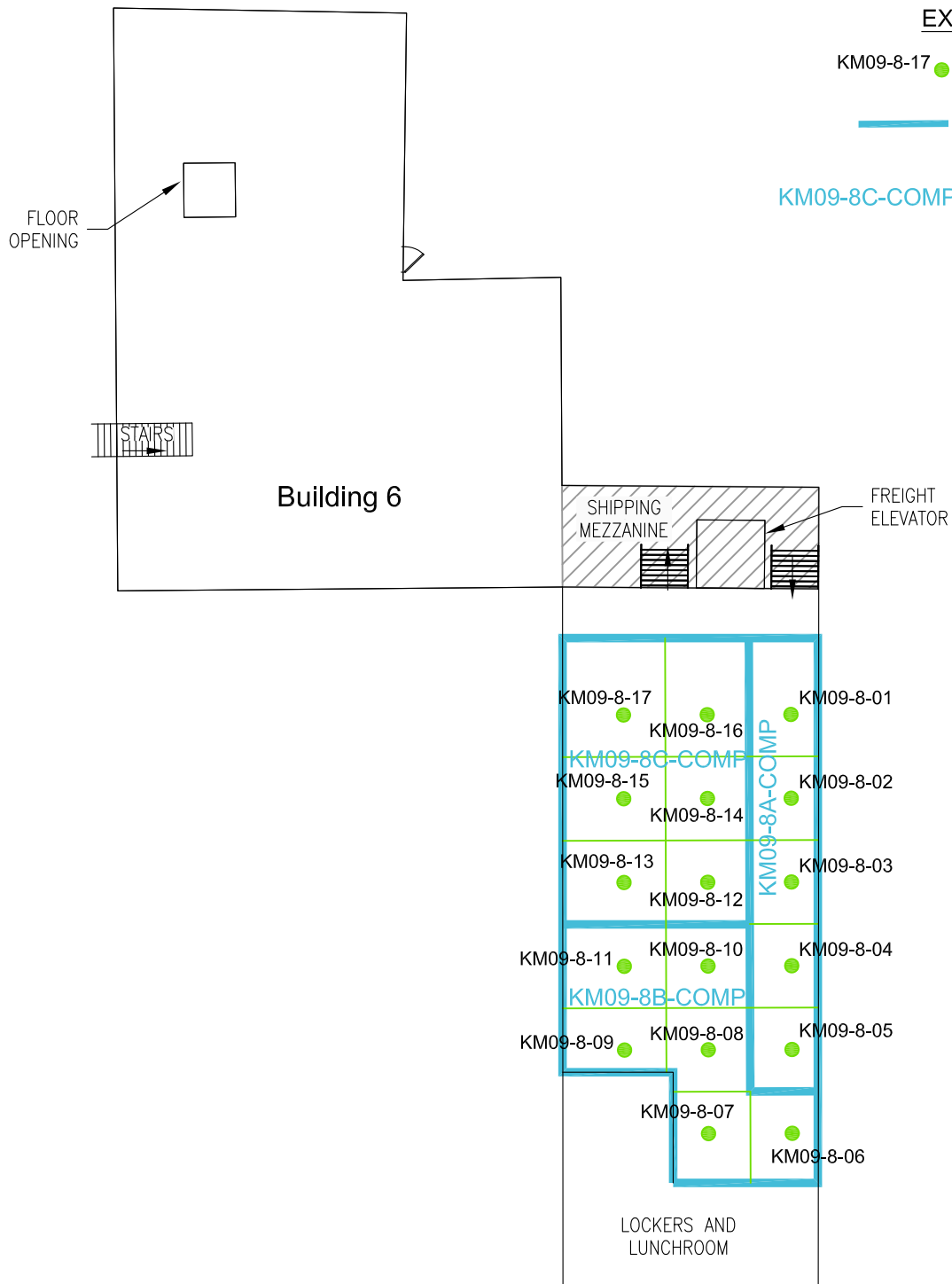
Figure **4**



EXPLANATION

- KM09-8-22 ● PHASE I PCB PRIMARY SAMPLE LOCATION
- KM09-8-83 ● PHASE II PCB WALL SAMPLE LOCATION
- PHASE I COMPOSITE SAMPLE INFERENCE AREA
- PHASE I COMPOSITE SAMPLE ID
- PHASE I COMPOSITE SAMPLE DETECTION ABOVE HIGH-OCCUPANCY SCREENING CRITERIA
- PHASE I PRIMARY SAMPLE DETECTION ABOVE HIGH-OCCUPANCY SCREENING CRITERION
- ⑩ (10) PREVIOUS PCB SAMPLE LOCATION
- STEEL PLATES
- FLOOR DRAIN
- FENCE LINE
- 8 BUILDING NUMBER

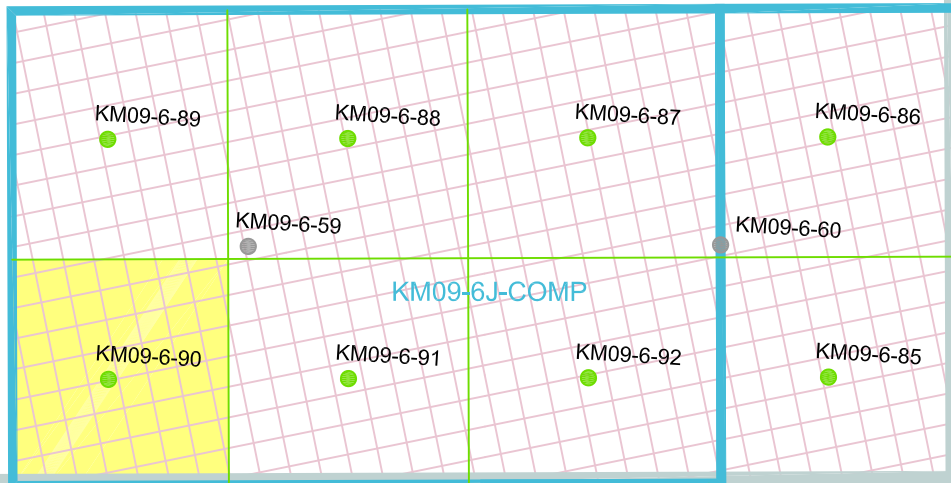
NOTE:
PRIMARY SAMPLES MAKING UP COMPOSITE SAMPLES IN BUILDING 8 WERE NOT ANALYZED.



**BUILDING 8 PCB SAMPLE LOCATIONS
PHASE I AND II
SECOND FLOOR
Former Kelly-Moore Manufacturing Facility
Seattle, Washington**

By: APS	Date: 12/14/09	Project No. 14697
AMEC Geomatrix		Figure 6

KM09-6H-COMP



KM09-6I-COMP

EXPLANATION

- KM09-6-59 ● PHASE I PCB PRIMARY SAMPLE LOCATION
- KM09-6-81 ● PHASE IV PCB PRIMARY SAMPLE LOCATION

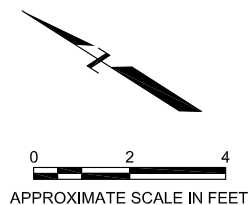
— PHASE IV COMPOSITE SAMPLE
INFERENCE AREA (AREA SCARIFIED)

KM09-6J-COMP PHASE IV COMPOSITE SAMPLE ID

 PHASE IV COMPOSITE SAMPLE DETECTION
ABOVE HIGH-OCCUPANCY
SCREENING CRITERIA

 PHASE IV PRIMARY SAMPLE DETECTION
ABOVE HIGH-OCCUPANCY
SCREENING CRITERION

NOTE:
AREA OF INFERENCE FOR COMPOSITE SAMPLES SCARIFIED OCTOBER 2009.



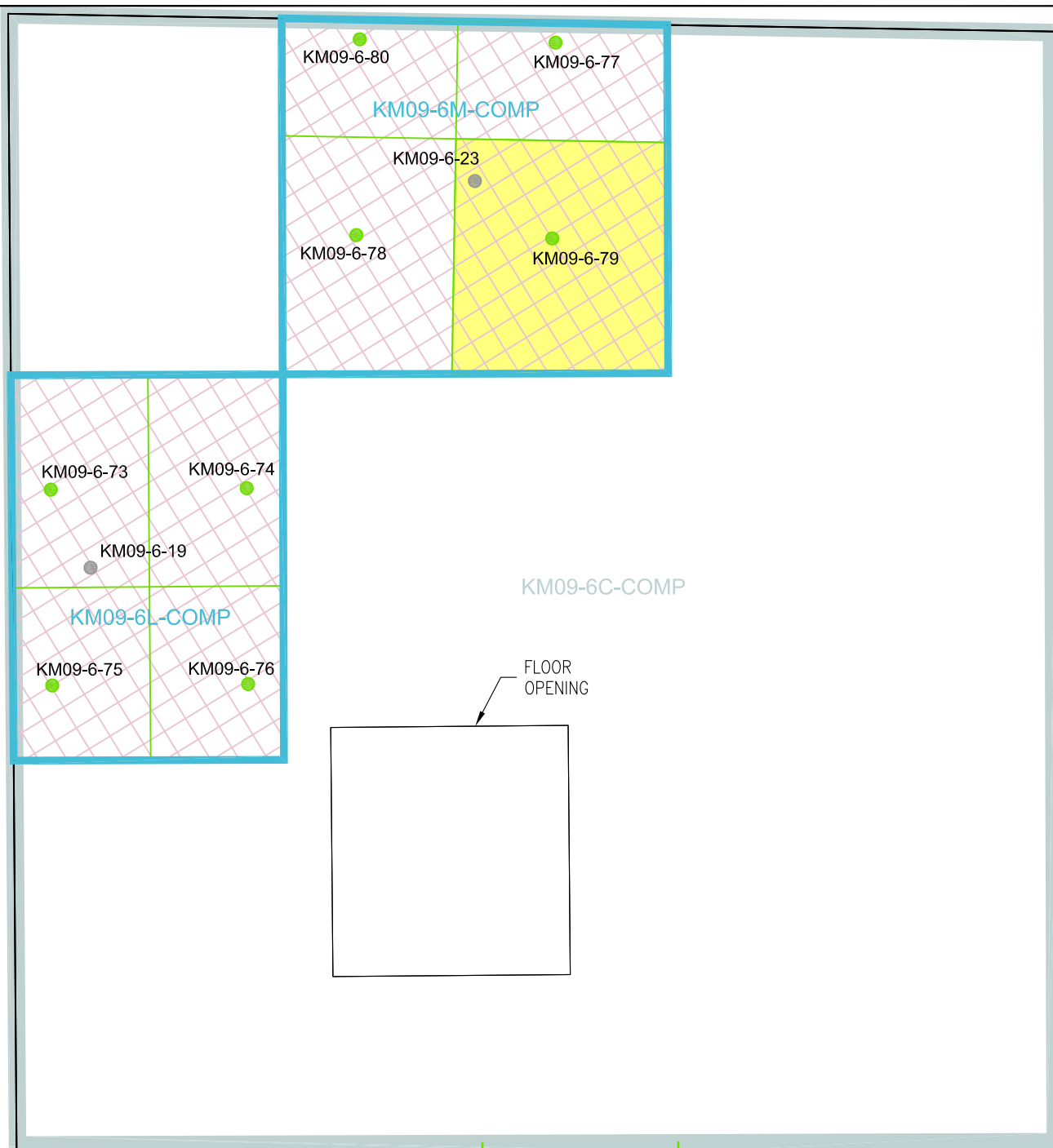
BUILDING 6 PCB SAMPLE LOCATIONS
PHASE III AND IV
GROUND FLOOR
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

By: APS Date: 12/14/09 Project No. 14697

AMEC Geomatrix

Figure **7**

Plot Date: 12/14/09 - 3:59pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\003_PCB-Samples\CAD\ Drawing Name: KellyMoore_BldgSamples-3rdPhase_120209.dwg



EXPLANATION

- KM09-6-19 ● PHASE I PCB PRIMARY SAMPLE LOCATION
KM09-6-73 ● PHASE IV PCB PRIMARY SAMPLE LOCATION

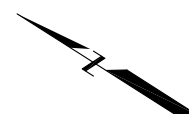
— PHASE IV COMPOSITE SAMPLE
INFERENCE AREA (AREA SCARIFIED)

KM09-6M-COMP PHASE IV COMPOSITE SAMPLE ID

 PHASE IV COMPOSITE SAMPLE DETECTION
ABOVE HIGH-OCCUPANCY
SCREENING CRITERIA

 PHASE IV PRIMARY SAMPLE DETECTION
ABOVE HIGH-OCCUPANCY
SCREENING CRITERION

NOTE:
AREA OF INFERENCE FOR COMPOSITE SAMPLES SCARIFIED OCTOBER 2009.



0 2 4
APPROXIMATE SCALE IN FEET

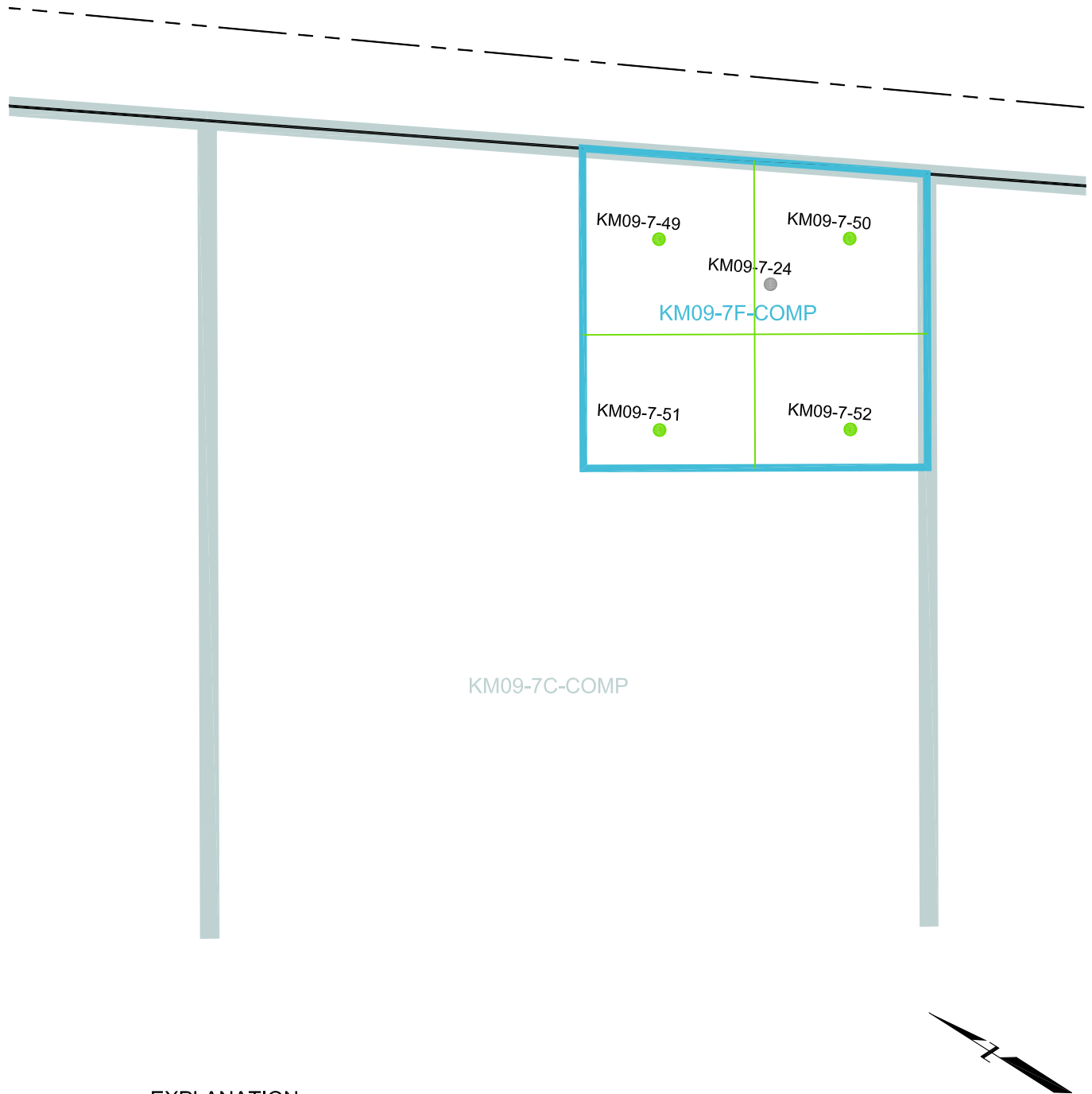
**BUILDING 6 PCB SAMPLE LOCATIONS
PHASE III AND IV
SECOND FLOOR
Former Kelly-Moore Manufacturing Facility
Seattle, Washington**

By: APS Date: 12/14/09 Project No. 14697

AMEC Geomatrix

Figure **8**

Plot Date: 12/14/09 - 4:00pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\003_PCB-Samples\CAD\, Drawing Name: KellyMoore_BldgSamples-3rdPhase_120209.dwg



EXPLANATION

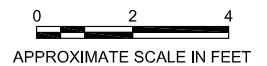
- KM09-6-59 ● PHASE I PCB PRIMARY SAMPLE LOCATION
KM09-6-81 ● PHASE IV PCB PRIMARY SAMPLE LOCATION

— PHASE IV COMPOSITE SAMPLE
INFERENCE AREA (AREA SCARIFIED)

KM09-7F-COMP PHASE IV COMPOSITE SAMPLE ID

NOTES:

1. AREA OF INFERENCE FOR COMPOSITE SAMPLES SCARIFIED OCTOBER 2009.
2. PRIMARY SAMPLES NOT ANALYZED, SINCE PCBs WERE NOT DETECTED IN COMPOSITE SAMPLE.



BUILDING 7 PCB SAMPLE LOCATIONS
PHASE III AND IV
GROUND FLOOR
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

By: APS	Date: 12/14/09	Project No. 14697
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AMEC Geomatrix

Figure **9**

APPENDIX A

Quality Assurance/Quality Control Memorandum

Memo

To: Natasya Gray
From: Crystal Neirby
Tel: (206) 342-1760
Fax: (206) 342-1761
Date: December 2, 2009

Project: 14697.000
cc: Project File

**Subject: Kelly Moore Paints – PCB Sampling – August and September 2009
Summary Data Quality Review – SDGs 0908-197, 0908-197B, 0908-208, 0908-208B, 0908-213, 0908-213B, 0908-230, 0909-003, 0909-167, 0910-218, 0910-218B, 0910-249, 0910-249B**

This memorandum presents a summary data quality review for analyses of 97 concrete dust samples (26 composites, 1 composite field duplicate, 69 primary samples, and 1 primary sample field duplicate), 7 wood samples (1 wood composite and 6 primary wood dust samples), 5 wipe samples (2 composites and 3 primary samples), and 6 equipment blank samples collected from August 26 through October 30, 2009. The samples were submitted to OnSite Environmental, Inc. (OnSite), a Washington State Department of Ecology (Ecology)-accredited laboratory, located in Redmond, Washington. The analyses were performed in general accordance with methods specified in the U.S. Environmental Protection Agency's (EPA's) Test Methods for Evaluating Solid Waste (SW-846) (EPA, 2008a). The samples were analyzed for the following analytes:

- Polychlorinated biphenyls (PCBs) by EPA Method 8082.

The samples associated with each sample delivery group (SDG) and a summary of the data quality review are presented in Table 1 (attached). Some samples were submitted and placed on hold, pending results of associated samples. Only the samples analyzed by the laboratory are included in Table 1.

The samples were received within the acceptable temperature range of $4 \pm 2^{\circ}\text{C}$, and there were no sample discrepancies noted by the laboratory upon receipt.

Data were reviewed in accordance with the appropriate method procedures. The most current control limits provided by the laboratory were used to evaluate the quality control data.

The following were reviewed to assess compliance with applicable methods and laboratory procedures: hold times; method blanks, blank spike (BS), and blank spike duplicate (BSD) results; matrix spike/matrix spike duplicate (MS/MSD) results; surrogate recoveries; field duplicate results; and reporting limits. If data qualification was required, data were qualified in general accordance with the definitions and use of qualifying flags outlined in EPA guidance (EPA, 2008b).

Samples were analyzed for PCBs by the method identified in the introduction to this report and were evaluated for the following criteria.

1. Holding Times – Acceptable

2. Blanks – Acceptable

Six equipment blanks were submitted with the samples and analyzed for PCBs. There were no detections in the equipment blanks.

3. BS/BSD – Acceptable

The laboratory did not report blank spike results if acceptable MS/MSD results were obtained, following its standard operating procedure. Sample results are not qualified.

4. MS/MSD – Acceptable except as noted:

SDG 0910-218 and 0910-249

The MS/MSD was performed with sample KM09-6K-COMP. The MS recovery for aroclor 1260 was 147 percent, greater than the control limits of 24-125%. The associated MSD and BS/BSD recoveries were acceptable. Therefore, sample results were not qualified.

5. Surrogate Recoveries – Acceptable except as noted:

SDG 0908-208

The surrogate recoveries were greater than the control limits of 39 to 128 percent in the equipment blank EB-02-082709 at 196 percent and in the method blank associated with batch MB0901W1 at 188 percent. The high surrogate recoveries equate to a high bias in the samples. Since there were no detections in the equipment blank or the method blank, sample results are not qualified.

SDG 0909-003

The surrogates were not recovered in the analysis of samples KM09-8-78 and KM09-8-79 due to the high dilution necessitated by matrix interference. Sample results are not qualified.

SDG 0909-167

The surrogate recoveries were greater than the control limits of 33 to 122 percent in sample KM09-7-48 at 125 percent and in the method blank associated with batch MB0923S1 at 129 percent. The high surrogate recoveries equate to a high bias in the samples. Since there were no detections in the sample or the method blank, sample results are not qualified.

6. Field Duplicates – Acceptable

Two field duplicates were collected, one was collected with sample KM09-8D-COMP and labeled as sample KM09-8-DUP, and one was collected with sample KM09-6-82 and labeled as sample KM09-6-DUP. Both the primary and duplicate samples were analyzed and did not have detections; therefore, a relative percent difference could not be calculated. Sample results are not qualified.

7. Reporting Limits and Laboratory Qualifiers – Acceptable except as noted:

SDG 0909-003

The reporting limits for Aroclor 1016, Aroclor 1221, and Aroclor 1232 in sample KM09-8-78 were flagged by the laboratory with a “U1” to indicate a raised reporting limit due to matrix interference. The results are reported as non-detect at the raised reporting limit, without the “U1” qualifier.

OVERALL ASSESSMENT OF DATA

The OnSite SDGs 0908-197, 0908-197B, 0908-208, 0908-208B, 0908-213, 0908-213B, 0908-230, 0909-003, 0909-167, 0910-218, 0910-218B, 0910-249, and 0910-249B are 100 percent complete. The data usability is based on EPA’s guidance documents. Few problems were identified, and the analytical performance was generally within specified limits. The data are acceptable and meet the project’s data quality objectives.

REFERENCES

EPA (U.S. Environmental Protection Agency), 2008a, Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846), Third Edition, September 1986; Final Update I, July 1992; Final Update IIA, August 1993; Final Update II, September 1994; Final Update IIB, January 1995; Final Update III, December 1996; Final Update IIIA, April 1998; Final Update IV, January 2008.

EPA, 2008b, U.S. EPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-08-001, June.

TABLE 1
ANALYZED SAMPLES AND ASSIGNED DATA QUALIFIERS

Sample ID	SDG	Matrix	Qualified Analyte
KM09-6A-COMP	0908-197	Concrete Dust	none
KM09-6B-COMP	0908-197	Concrete Dust	none
KM09-6C-COMP	0908-197	Concrete Dust	none
KM09-6D-COMP	0908-197	Concrete Dust	none
KM09-6E-COMP	0908-197	Concrete Dust	none
EB-1-082609	0908-197	Equipment Blank	none
KM09-6-16	0908-197B	Concrete Dust	none
KM09-6-17	0908-197B	Concrete Dust	none
KM09-6-18	0908-197B	Concrete Dust	none
KM09-6-19	0908-197B	Concrete Dust	none
KM09-6-20	0908-197B	Concrete Dust	none
KM09-6-21	0908-197B	Concrete Dust	none
KM09-6-22	0908-197B	Concrete Dust	none
KM09-6-23	0908-197B	Concrete Dust	none
KM09-6-24	0908-197B	Concrete Dust	none
KM09-6F-COMP	0908-208	Concrete Dust	none
KM09-6G-COMP	0908-208	Concrete Dust	none
KM09-6H-COMP	0908-208	Concrete Dust	none
KM09-6I-COMP	0908-208	Concrete Dust	none
KM09-7A-COMP	0908-208	Concrete Dust	none
KM09-7B-COMP	0908-208	Concrete Dust	none
EB-02-082709	0908-208	Equipment Blank	none
KM09-6-52	0908-208B	Concrete Dust	none
KM09-6-53	0908-208B	Concrete Dust	none
KM09-6-54	0908-208B	Concrete Dust	none
KM09-6-55	0908-208B	Concrete Dust	none
KM09-6-56	0908-208B	Concrete Dust	none
KM09-6-57	0908-208B	Concrete Dust	none
KM09-6-58	0908-208B	Concrete Dust	none
KM09-6-59	0908-208B	Concrete Dust	none
KM09-6-60	0908-208B	Concrete Dust	none
KM09-6-61	0908-208B	Concrete Dust	none
KM09-6-62	0908-208B	Concrete Dust	none
KM09-6-63	0908-208B	Concrete Dust	none
KM09-6-64	0908-208B	Concrete Dust	none
KM09-6-65	0908-208B	Concrete Dust	none

TABLE 1
ANALYZED SAMPLES AND ASSIGNED DATA QUALIFIERS

Sample ID	SDG	Matrix	Qualified Analyte
KM09-6-66	0908-208B	Concrete Dust	none
KM09-7C-COMP	0908-213	Concrete Dust	none
KM09-7D-COMP	0908-213	Concrete Dust	none
KM09-7E-COMP	0908-213	Concrete Dust	none
KM09-8A-COMP	0908-213	Wipe	none
KM09-8B-COMP	0908-213	Wipe	none
KM09-8C-COMP	0908-213	Wood	none
KM09-8D-COMP	0908-213	Concrete Dust	none
KM09-8-Dup	0908-213	Concrete Dust	none
EB-03-082809	0908-213	Equipment Blank	none
KM09-7-19	0908-213B	Concrete Dust	none
KM09-7-20	0908-213B	Concrete Dust	none
KM09-7-21	0908-213B	Concrete Dust	none
KM09-7-22	0908-213B	Concrete Dust	none
KM09-7-23	0908-213B	Concrete Dust	none
KM09-7-24	0908-213B	Concrete Dust	none
KM09-7-25	0908-213B	Concrete Dust	none
KM09-7-26	0908-213B	Concrete Dust	none
KM09-7-27	0908-213B	Concrete Dust	none
KM09-8E-COMP	0908-230	Concrete Dust	none
KM09-8F-COMP	0908-230	Concrete Dust	none
KM09-8G-COMP	0908-230	Concrete Dust	none
KM09-8H-COMP	0908-230	Concrete Dust	none
KM09-8I-COMP	0908-230	Concrete Dust	none
KM09-8J-COMP	0908-230	Concrete Dust	none
KM09-8K-COMP	0909-003	Concrete Dust	none
KM09-8-78	0909-003	Concrete Dust	none
KM09-8-79	0909-003	Concrete Dust	none
EB-04-083109	0909-003	Equipment Blank	none
KM09-6-67	0909-167	Concrete Dust	none
KM09-6-68	0909-167	Concrete Dust	none
KM09-6-69	0909-167	Concrete Dust	none
KM09-6-70	0909-167	Concrete Dust	none
KM09-6-71	0909-167	Concrete Dust	none
KM09-6-72	0909-167	Concrete Dust	none
KM09-6-73	0909-167	Concrete Dust	none
KM09-6-74	0909-167	Concrete Dust	none
KM09-6-75	0909-167	Concrete Dust	none
KM09-6-76	0909-167	Concrete Dust	none

TABLE 1
ANALYZED SAMPLES AND ASSIGNED DATA QUALIFIERS

Sample ID	SDG	Matrix	Qualified Analyte
KM09-6-77	0909-167	Concrete Dust	none
KM09-6-78	0909-167	Concrete Dust	none
KM09-7-45	0909-167	Concrete Dust	none
KM09-7-48	0909-167	Wood Dust	none
KM09-8-80	0909-167	Concrete Dust	none
KM09-8-81	0909-167	Wood Dust	none
KM09-8-82	0909-167	Wood Dust	none
KM09-8-83	0909-167	Wood Dust	none
KM09-8-84	0909-167	Wood Dust	none
KM09-8-85	0909-167	Wood Dust	none
KM09-7-46	0909-167	Wipe	none
KM09-7-47	0909-167	Wipe	none
KM09-7-49	0909-167	Wipe	none
EB09-05-091709	0909-167	Equipment Blank	none
KM09-7F-COMP	0910-218	Concrete Dust	none
KM09-6M-COMP	0910-218	Concrete Dust	none
KM09-6L-COMP	0910-218	Concrete Dust	none
EB06-102709	0910-218	Equipment Blank	none
KM09-6-80	0910-218B	Concrete Dust	none
KM09-6-77	0910-218B	Concrete Dust	none
KM09-6-78	0910-218B	Concrete Dust	none
KM09-6-79	0910-218B	Concrete Dust	none
KM09-6-73	0910-218B	Concrete Dust	none
KM09-6-74	0910-218B	Concrete Dust	none
KM09-6-75	0910-218B	Concrete Dust	none
KM09-6-76	0910-218B	Concrete Dust	none
KM09-6J-COMP	0910-249	Concrete Dust	none
KM09-6K-COMP	0910-249	Concrete Dust	none
KM09-6-81	0910-249B	Concrete Dust	none
KM09-6-82	0910-249B	Concrete Dust	none
KM09-6-DUP	0910-249B	Concrete Dust	none
KM09-6-83	0910-249B	Concrete Dust	none
KM09-6-84	0910-249B	Concrete Dust	none
KM09-6-85	0910-249B	Concrete Dust	none
KM09-6-86	0910-249B	Concrete Dust	none
KM09-6-87	0910-249B	Concrete Dust	none
KM09-6-88	0910-249B	Concrete Dust	none
KM09-6-89	0910-249B	Concrete Dust	none
KM09-6-90	0910-249B	Concrete Dust	none

Memo
December 2, 2009
Page 7 of 7

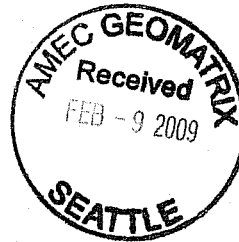
TABLE 1
ANALYZED SAMPLES AND ASSIGNED DATA QUALIFIERS

Sample ID	SDG	Matrix	Qualified Analyte
KM09-6-91	0910-249B	Concrete Dust	none
KM09-6-92	0910-249B	Concrete Dust	none

APPENDIX B

Laboratory Analytical Results

Laboratory Reference No. 0901-148



February 3, 2009

Tim Reinhardt
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0901-148

Dear Tim:

Enclosed are the analytical results and associated quality control data for samples submitted on January 23, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to be 'DB' followed by a long horizontal stroke.

David Baumeister
Project Manager

Enclosures

Date of Report: February 3, 2009
Samples Submitted: January 23, 2009
Laboratory Reference: 0901-148
Project: 14697.000

Case Narrative

Samples were collected on January 22 and 23, 2009, and received by the laboratory on January 23, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Volatiles EPA 8260B Analysis

Method 5035A VOA vials were not provided for the samples. They were therefore extracted from 2-ounce jars. Some loss of volatiles may have occurred.

The results for samples 13-012209, 15-012209, 16-012209, 17-012209, 18-012309, 19-012309, and 20-012309 are reported on a wet-weight basis.

Internal Standard 1,4-Dichlorobenzene-d4 does not meet acceptance criteria for samples 2-012209, 15-012209, 17-012209, 19-012309, and 3-012309 due to sample matrix effects. The samples were analyzed at two different dilutions with similar results. All results, including Practical Quantitation Limits, from Bromobenzene onward should be considered estimates.

Internal Standards Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 do not meet acceptance criteria for sample 16-012209 due to sample matrix effects. The sample was analyzed at two different dilutions with similar results. All results, including Practical Quantitation Limits, from (trans) 1,3-Dichloropropene onward should be considered estimates.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Semivolatiles EPA 8270D/SIM Analysis

The sample 3-012309 had one acid and one base surrogate outside of control limits. This is within allowance of our standard operation procedure as long as the recovery is above 10%.

Due to the matrix of the samples, the samples were extracted at 0.5grams.

The results for samples 13-012209, 15-012209, 16-012209, 17-012209, 18-012309, 19-012309, and 20-012309 are reported on a wet-weight basis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Total Metals EPA 6010B/7471A Analysis

Sample results are reported on a wet-weight basis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: February 3, 2009
 Samples Submitted: January 23, 2009
 Lab Traveler: 0901-148
 Project: 14697.000

PCBs by EPA 8082

Matrix: Wipe

Units: ug/100cm² *wipe*

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	10-012209					
Laboratory ID:	01-148-04					
Aroclor 1016	ND	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1221	ND	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1232	ND	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1242	ND	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1248	ND	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1254	12	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1260	4.1	2.0	EPA 8082	1-26-09	1-26-09	

Surrogate: Percent Recovery Control Limits
 DCB 102 69-130

Client ID:	9-012209					
Laboratory ID:	01-148-05					
Aroclor 1016	ND	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1221	ND	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1232	ND	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1242	ND	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1248	ND	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1254	7.0	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1260	4.8	2.0	EPA 8082	1-26-09	1-26-09	

Surrogate: Percent Recovery Control Limits
 DCB 72 69-130

Date of Report: February 3, 2009
 Samples Submitted: January 23, 2009
 Lab Traveler: 0901-148
 Project: 14697.000

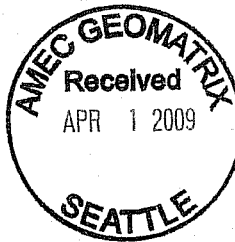
**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Wipe
 Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0126P1					
Aroclor 1016	ND	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1221	ND	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1232	ND	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1242	ND	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1248	ND	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1254	ND	2.0	EPA 8082	1-26-09	1-26-09	
Aroclor 1260	ND	2.0	EPA 8082	1-26-09	1-26-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	122	69-130				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0126P1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	21.9	21.7	20.0	20.0	N/A	110	109	91-120	1	4	
Surrogate:											
DCB						121	121	69-130			

Laboratory Reference No. 0903-040



March 27, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0903-040

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 9, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A large, stylized handwritten signature in black ink, enclosed within a large, hand-drawn oval. The signature appears to be 'David Baumeister'.

David Baumeister
Project Manager

Enclosures

Date of Report: March 27, 2009
Samples Submitted: March 9, 2009
Laboratory Reference: 0903-040
Project: 14697.000

Case Narrative

Samples were collected on March 6, 2009, and received by the laboratory on March 9, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Total Metals EPA 6010B/7471A Analysis

Samples are reported on a wet-weight basis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

PCBs EPA 8082 Analysis

Due to the solid waste matrices of the samples 29-030609 and 30-030609, results are based on a wet weight basis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: March 27, 2009
 Samples Submitted: March 9, 2009
 Lab Traveler: 0903-040
 Project: 14697.000

PCBs by EPA 8082

Matrix: Solid
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	29-030609					
Laboratory ID:	03-040-02					
Aroclor 1016	ND	4.0	EPA 8082	3-10-09	3-10&11-09	
Aroclor 1221	ND	4.0	EPA 8082	3-10-09	3-10&11-09	
Aroclor 1232	ND	4.0	EPA 8082	3-10-09	3-10&11-09	
Aroclor 1242	ND	4.0	EPA 8082	3-10-09	3-10&11-09	
Aroclor 1248	ND	4.0	EPA 8082	3-10-09	3-10&11-09	
Aroclor 1254	29	4.0	EPA 8082	3-10-09	3-10&11-09	
Aroclor 1260	12	4.0	EPA 8082	3-10-09	3-10&11-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	63	35-127				
Client ID:	30-030609					
Laboratory ID:	03-040-03					
Aroclor 1016	ND	2.0	EPA 8082	3-10-09	3-10&11-09	
Aroclor 1221	ND	2.0	EPA 8082	3-10-09	3-10&11-09	
Aroclor 1232	ND	2.0	EPA 8082	3-10-09	3-10&11-09	
Aroclor 1242	ND	2.0	EPA 8082	3-10-09	3-10&11-09	
Aroclor 1248	ND	2.0	EPA 8082	3-10-09	3-10&11-09	
Aroclor 1254	22	2.0	EPA 8082	3-10-09	3-10&11-09	
Aroclor 1260	13	2.0	EPA 8082	3-10-09	3-10&11-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	58	35-127				

Date of Report: March 27, 2009
 Samples Submitted: March 9, 2009
 Lab Traveler: 0903-040
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0310S1					
Aroclor 1016	ND	0.050	EPA 8082	3-10-09	3-10-09	
Aroclor 1221	ND	0.050	EPA 8082	3-10-09	3-10-09	
Aroclor 1232	ND	0.050	EPA 8082	3-10-09	3-10-09	
Aroclor 1242	ND	0.050	EPA 8082	3-10-09	3-10-09	
Aroclor 1248	ND	0.050	EPA 8082	3-10-09	3-10-09	
Aroclor 1254	ND	0.050	EPA 8082	3-10-09	3-10-09	
Aroclor 1260	ND	0.050	EPA 8082	3-10-09	3-10-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	99	35-127				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-037-04										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.235	0.251	0.500	0.500	ND	47	50	24-128	7	14	
Surrogate:											
DCB						65	58	35-127			

Laboratory Reference No. 0908-197



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 3, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0908-197

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 26, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: September 3, 2009
Samples Submitted: August 26, 2009
Laboratory Reference: 0908-197
Project: 14697.000

Case Narrative

Samples were collected on August 26, 2009, and received by the laboratory on August 26, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: September 3, 2009
 Samples Submitted: August 26, 2009
 Lab Traveler: 0908-197
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KM09-6A-COMP						
Laboratory ID:	08-197-02					
Aroclor 1016	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	ND	0.20	EPA 8082	9-1-09	9-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	101	33-122				
Client ID: KM09-6B-COMP						
Laboratory ID:	08-197-09					
Aroclor 1016	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	ND	0.20	EPA 8082	9-1-09	9-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	90	33-122				
Client ID: KM09-6C-COMP						
Laboratory ID:	08-197-20					
Aroclor 1016	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	0.23	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	1.2	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	0.97	0.20	EPA 8082	9-1-09	9-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	100	33-122				

Date of Report: September 3, 2009
 Samples Submitted: August 26, 2009
 Lab Traveler: 0908-197
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KM09-6D-COMP						
Laboratory ID: 08-197-30						
Aroclor 1016	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	ND	0.20	EPA 8082	9-1-09	9-2-09	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	99	33-122				
Client ID: KM09-6E-COMP						
Laboratory ID: 08-197-37						
Aroclor 1016	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	ND	0.20	EPA 8082	9-1-09	9-2-09	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	103	33-122				

Date of Report: September 3, 2009
 Samples Submitted: August 26, 2009
 Lab Traveler: 0908-197
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Solids
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0901S1					
Aroclor 1016	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1221	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1232	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1242	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1248	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1254	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1260	ND	0.020	EPA 8082	9-1-09	9-1-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	92	33-122				

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		RPD	Flags
					Result	Recovery	Limits			Limit	
MATRIX SPIKES											
Laboratory ID:	08-221-02										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.537	0.515	0.500	0.500	ND	107	103	24-125	4	18	
Surrogate:											
DCB						101	96	33-122			

Date of Report: September 3, 2009
 Samples Submitted: August 26, 2009
 Lab Traveler: 0908-197
 Project: 14697.000

PCBs by EPA 8082

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	EB-01-082609					
Laboratory ID:	08-197-18					
Aroclor 1016	ND	0.10	EPA 8082	8-27-09	8-28-09	
Aroclor 1221	ND	0.10	EPA 8082	8-27-09	8-28-09	
Aroclor 1232	ND	0.10	EPA 8082	8-27-09	8-28-09	
Aroclor 1242	ND	0.10	EPA 8082	8-27-09	8-28-09	
Aroclor 1248	ND	0.10	EPA 8082	8-27-09	8-28-09	
Aroclor 1254	ND	0.10	EPA 8082	8-27-09	8-28-09	
Aroclor 1260	ND	0.10	EPA 8082	8-27-09	8-28-09	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>103</i>	<i>39-128</i>				

Date of Report: September 3, 2009
 Samples Submitted: August 26, 2009
 Lab Traveler: 0908-197
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0827W1					
Aroclor 1016	ND	0.050	EPA 8082	8-27-09	8-28-09	
Aroclor 1221	ND	0.050	EPA 8082	8-27-09	8-28-09	
Aroclor 1232	ND	0.050	EPA 8082	8-27-09	8-28-09	
Aroclor 1242	ND	0.050	EPA 8082	8-27-09	8-28-09	
Aroclor 1248	ND	0.050	EPA 8082	8-27-09	8-28-09	
Aroclor 1254	ND	0.050	EPA 8082	8-27-09	8-28-09	
Aroclor 1260	ND	0.050	EPA 8082	8-27-09	8-28-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	109	39-128				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0827W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.499	0.521	0.500	0.500	N/A	100	104	58-113	4	11	
Surrogate:											
DCB						99	105	39-128			



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- Y - Sample extract treated with an acid/silica gel cleanup procedure.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference



OnSite
Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company:

AMEC Geomatrix

Project Number:

14697.000

Project Name:

Kelly - Moore

Project Manager:

T. GRAY

Sampled by:

C. DOWNMAN / C. BROWN

Chain of Custody

Page 1 of 5

08-197

Laboratory Number:

Requested Analysis

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)
(TPH analysis 5 working days)

(other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-GX/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
1	KM09-6-01	8/26/9	8:47	0	1-402														
2	KM09-6A-COMP	8/26/9	0847	0	1-402														
3	KM09-6-02	8/26/9	0857	0	1-402														
4	KM09-6-03	8/26/9	0912	0	1-402														
5	KM09-6-04	8/26/9	0919	0	1-402														
6	KM09-6-05	8/26/9	0926	0	1-402														
7	KM09-6-06	8/26/9	0938	0	1-402														
8	KM09-6-07	8/26/9	0950	0	1-402														
9	KM09-6B-COMP	8/26/9	0950	0	1-802														
10	KM09-6-08	8/26/9	1000	0	1-402														

Signature	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	8/26/9	1520	0-concrete dust
<i>[Signature]</i>	8/26/9	1530	
<i>[Signature]</i>	8/26/9	17:30	
<i>[Signature]</i>	8/26/9	1730	
Relinquished by			
Received by			
Relinquished by			
Received by			
Relinquished by			
Received by			
Reviewed by/Date			Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy



AMA OnSite
Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

Chain of Custody

Page

2 of 5

Company: *AmeC Geomatics*

Project Number:

14697.000

Project Name:

Kelly - More

Project Manager:

T. Gray

Sampled by:

C. Downman / C. Brown

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)
(TPH analysis 5 working days)

☐ (other)

Laboratory Number:

08-197

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NW/TPH-HClD	NW/TPH-Gx/BTEX	NW/TPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	EA 8082A-PCs	% Moisture	
11	KM09-6-09	8/26/09	1008	0	1-402																
12	KM09-6-10	8/26/09	1017	0	1-402																
13	KM09-6-11	8/26/09	1030	0	1-402																
14	KM09-6-12	8/26/09	1034	0	1-402																
15	KM09-6-13	8/26/09	1043	0	1-402																
16	KM09-6-14	8/26/09	1050	0	1-402																
17	KM09-6-15	8/26/09	1057	0	1-402																
18	EB-01-082609	8/26/09	1140	W	1-402																
19	KM09-6-16	8/26/09	1155	0	1-402																
20	KM09-6C-CAMP	8/26/09	1155	0	1-802																

Relinquished by	Signature	Date	Time	Comments (Special Instructions)
	<i>CD</i>	8/26/09	1520	O = Concrete dust
Received by	<i>Van</i>	8/26/09	1520	W = water
Relinquished by	<i>Van</i>	8/26/09	1730	
Received by	<i>DR</i>	8/26/09	1730	
Relinquished by				
Received by				

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Laboratory Reference No. 0908-197B



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 17, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0908-197B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 26, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DeB" followed by a stylized flourish or checkmark.

David Baumeister
Project Manager

Enclosures

Date of Report: September 17, 2009
Samples Submitted: August 26, 2009
Laboratory Reference: 0908-197B
Project: 14697.000

Case Narrative

Samples were collected on August 26, 2009, and received by the laboratory on August 26, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: September 17, 2009
 Samples Submitted: August 26, 2009
 Lab Traveler: 0908-197B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-16					
Laboratory ID:	08-197-19					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	ND	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	101	33-122				
Client ID:	KM09-6-17					
Laboratory ID:	08-197-21					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	ND	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	86	33-122				
Client ID:	KM09-6-18					
Laboratory ID:	08-197-22					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	ND	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	92	33-122				

Date of Report: September 17, 2009
 Samples Submitted: August 26, 2009
 Lab Traveler: 0908-197B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-19					
Laboratory ID:	08-197-23					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	1.2	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	0.73	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	93	33-122				
Client ID:	KM09-6-20					
Laboratory ID:	08-197-24					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	ND	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	87	33-122				
Client ID:	KM09-6-21					
Laboratory ID:	08-197-25					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	0.66	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	103	33-122				

Date of Report: September 17, 2009
 Samples Submitted: August 26, 2009
 Lab Traveler: 0908-197B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-22					
Laboratory ID:	08-197-26					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	0.61	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	106	33-122				
Client ID:	KM09-6-23					
Laboratory ID:	08-197-27					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	13	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	5.5	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	105	33-122				
Client ID:	KM09-6-24					
Laboratory ID:	08-197-28					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	0.91	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	97	33-122				

Date of Report: September 17, 2009
 Samples Submitted: August 26, 2009
 Lab Traveler: 0908-197B
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Solids
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0914S1					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	ND	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	94	33-122				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	08-213-02										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	4.56	4.31	5.00	5.00	ND	91	86	24-125	6	18	
Surrogate:											
DCB						92	87	33-122			



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- Y - Sample extract treated with an acid/silica gel cleanup procedure.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference



Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: _____

Arac Secreterix

Project Number:

Doc: 76971

Project Name:

Kelly-Mare

Project Manager:

1

Typed by: C. Bowman / C. Brown

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)
(TPH analysis 5 working days)

(other)

Laboratory Number:

Requested Analysis

08-197

Company: Arec Geomatics		☐ Same Day ☐ 1 Day		(Check One)	
Project Number: 14697.000		☐ 2 Day ☐ 3 Day			
Project Name: Kelly - More		☒ Standard (7 working days)			
Project Manager: T. Gray		(TPH analysis 5 working days)			
Sampled by: C. Bowman / C. Brown		☐ (other)			
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.
11	KM09-6-09	8/26/09	1008	0	1-402
12	KM09-6-10	8/26/09	1017	0	1-402
13	KM09-6-11	8/26/09	1030	0	1-402
14	KM09-6-12	8/26/09	1034	0	1-402
15	KM09-6-13	8/26/09	1043	0	1-402
16	KM09-6-14	8/26/09	1050	0	1-402
17	KM09-6-15	8/26/09	1057	0	1-402
18	EB-01-082609	8/26/09	1140	W	1-402
19	KM09-6-16	8/26/09	1155	0	1-402
20	KM09-6C-CAMP	8/26/09	1155	0	1-802
Relinquished by: [Signature]		Date: 8/26/09		Company: Arec Geomatics	
Received by: Van		Date: 8/24/09		Time: 1520	
Relinquished by: Van		Date: 8/26/09		Time: 1730	
Received by: [Signature]		Date: 8/26/09		Time: 1730	
Relinquished by:					
Received by:					
Reviewed by/Date:				Chromatograms with final report ☐	

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Chain of Custody

Laboratory Number:

08-197

Company: AMEC Geomatrix		☐ Same Day ☐ 1 Day		☐ 2 Day ☐ 3 Day		☒ Standard (7 working days) (TPH analysis 5 working days)		☐ (other)											
Project Number: 14699.000																			
Project Name: Kelly-Morse																			
Project Manager: T. Geary																			
Sampled by: C. Downman / C. Brown																			
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-GX/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semi-volatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
21	KM09-6-17	8/26/9	1208	0	1-402														
22	KM09-6-18	8/26/9	1214	0	1-402														
23	KM09-6-19	8/26/9	1221	0	1-402														
24	KM09-6-20	8/26/9	1231	0	1-402														
25	KM09-6-21	8/26/9	1244	0	1-402														
26	KM09-6-22	8/26/9	1251	0	1-402														
27	KM09-6-23	8/26/9	1311	0	1-402														
28	KM09-6-24	8/26/9	1315	0	1-402														
29	KM09-6-25	8/26/9	1325	0	1-402														
30	KM09-6D-CAMP	8/26/9	1325	0	1-802														
Relinquished by		Signature		Company		Date		Time		Comments/Special Instructions									
Received by		Van		AMEC Geomatrix		8/26/9		1520		O = concrete dust									
Relinquished by		Van		Speady		8/26/9		1520											
Received by		Van		Speady		8/26/9		17:30		Added 9/10/99.DB.									
Relinquished by																			
Received by																			
Reviewed by/Date										Chromatograms with final report ☐									

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Chain of Custody

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: AMEC Geomatrix

Project Number: 14697.000

Project Name: Kelly-Moore

Project Manager: T. Gray

Sampled by: C. Downman / C. Gray

Turnaround Request (in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)
(TPH analysis 5 working days)

(other)

Laboratory Number:

08-197

Requested Analysis

NWTPH-HCID	NWTPH-GX/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	SemiVolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	EPA 8082A PCB	Hold	% Moisture
31 KMO9-G-26	8/26/9	1338	0	1-402											
32 KMO9-G-27	8/26/9	1342	0	1-402											
33 KMO9-G-28	8/26/9	1350	0	1-402											
34 KMO9-G-29	8/26/9	1403	0	1-402											
35 KMO9-G-30	8/26/9	1409	0	1-402											
36 KMO9-G-31	8/26/9	1413	0	1-402											
37 KMO9-G-E-COMP	8/26/9	1413	0	1-802											
38 KMO9-G-32	8/26/9	1417	0	1-402											
39 KMO9-G-33	8/26/9	1424	0	1-402											
40 KMO9-G-34	8/26/9	1430	0	1-402											

Comments/Special Instructions

Project number 14697.000, please have this on all sheets. LABELS HAVE 001, which is incorrect. O = Curved
Hold ~~for~~ for chromatograms Comp Samples are analyzed.

Signature	Date	Time	Company
Relinquished by	8/26/9	1520	Amer Geomatrix
Received by	8/26/9	1520	Sperry
Relinquished by	8/26/9	1730	Sperry
Received by	8/26/9	1730	Sperry
Relinquished by			
Received by			
Reviewed by/Date			

Chromatograms with final report ☐

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Phone: (425) 883-3881 • Fax: (425) 883-4603

Company:

Amec Geomatrix

Project Number:

14697.000

Project Name:

Kelly-Moore

Project Manager:

T. Gray

Sampled by:

C. DOWMAN / C. Brown

Chain of Custody

Page 5 of 5

Laboratory Number:

08-197

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)
(TPH analysis 5 working days)

(other)

Requested Analysis

NWTPH-HCID	NWTPH-GX/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	EPA 8082A-FLBS	Hold	% Moisture
------------	---------------	----------	--------------------	--------------------------------	------------------------	---------------------	--------------	---------------------	---------------------	-----------------------	-------------	-------------	----------------	------	------------

Date Time # of
Sampled Sampled Matrix Cont

8/26/09 1435 0 1-402
8/26/09 1441 0 1-402

Signature

[Signature]

Company

Amec Geomatrix

Date

8/26/09

Time

1500

Comments/Special Instructions

O= concrete dust

Van

Spreading

8/26/09

1520

Van

Spreading

8/26/09

17:30

[Signature]

OSLS

8/26/09

1730

Relinquished by

Received by

Relinquished by

Received by

Relinquished by

Received by

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Laboratory Reference No. 0908-208



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 8, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0908-208

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 27, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: September 8, 2009
Samples Submitted: August 27, 2009
Laboratory Reference: 0908-208
Project: 14697.000

Case Narrative

Samples were collected on August 27, 2009, and received by the laboratory on August 27, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

PCBs EPA 8082 Analysis

The surrogate recovery for the Method Blank (188%) and the sample EB-02-082709 (196%) was above the quality control limits of 39 – 128%. Since the sample was non-detect for PCBs and the surrogate recoveries showed high bias, no further action was performed.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: September 8, 2009
 Samples Submitted: August 27, 2009
 Lab Traveler: 0908-208
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KM09-6F-COMP						
Laboratory ID:	08-208-02					
Aroclor 1016	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	ND	0.20	EPA 8082	9-1-09	9-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	96	33-122				
Client ID: KM09-6G-COMP						
Laboratory ID:	08-208-09					
Aroclor 1016	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	ND	0.20	EPA 8082	9-1-09	9-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	94	33-122				
Client ID: KM09-6H-COMP						
Laboratory ID:	08-208-18					
Aroclor 1016	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	0.33	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	0.70	0.20	EPA 8082	9-1-09	9-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	104	33-122				

Date of Report: September 8, 2009
 Samples Submitted: August 27, 2009
 Lab Traveler: 0908-208
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KM09-6I-COMP						
Laboratory ID:	08-208-28					
Aroclor 1016	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	0.36	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	0.72	0.20	EPA 8082	9-1-09	9-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	97	33-122				
Client ID: KM09-7A-COMP						
Laboratory ID:	08-208-37					
Aroclor 1016	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	ND	0.20	EPA 8082	9-1-09	9-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	97	33-122				
Client ID: KM09-7B-COMP						
Laboratory ID:	08-208-47					
Aroclor 1016	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	ND	0.20	EPA 8082	9-1-09	9-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	99	33-122				

Date of Report: September 8, 2009
 Samples Submitted: August 27, 2009
 Lab Traveler: 0908-208
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Solids
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0901S1					
Aroclor 1016	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1221	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1232	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1242	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1248	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1254	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1260	ND	0.020	EPA 8082	9-1-09	9-1-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	92	33-122				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	08-221-02										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.537	0.515	0.500	0.500	ND	107	103	24-125	4	18	
Surrogate:											
DCB						101	96	33-122			

Date of Report: September 8, 2009
 Samples Submitted: August 27, 2009
 Lab Traveler: 0908-208
 Project: 14697.000

PCBs by EPA 8082

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	EB-02-082709					
Laboratory ID:	08-208-35					
Aroclor 1016	ND	0.099	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.099	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.099	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.099	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.099	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	ND	0.099	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	ND	0.099	EPA 8082	9-1-09	9-2-09	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	196	39-128				Q

Date of Report: September 8, 2009
 Samples Submitted: August 27, 2009
 Lab Traveler: 0908-208
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0901W1					
Aroclor 1016	ND	0.050	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.050	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.050	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.050	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.050	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	ND	0.050	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	ND	0.050	EPA 8082	9-1-09	9-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	188	39-128				Q

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0901W1									
	SB	SBD	SB	SBD		SB	SBD			
Aroclor 1260	0.405	0.453	0.500	0.500	N/A	81	91	58-113	11	11
Surrogate:										
DCB						81	89	39-128		



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- Y - Sample extract treated with an acid/silica gel cleanup procedure.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference

Laboratory Number: 08-208

Turnaround Request (in working days)

Company: **AMEC Geomatrix**
 Project Number: **14697.000**
 Project Name: **Kelly - Moore**
 Project Manager: **T. Gray**
 Sampled by: **C. Downman / C. Brown**

(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Day ☐ 3 Day
☒ Standard (7 working days)
 (TPH analysis 5 working days)
☐ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analysis										% Moisture					
						NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total PCRA Metals (8)	TCLP Metals	HEM by 1664	FPA 8082A-PLB	Hold	
1	KM09-6-32	8/27/09	0801	0	1-402																
2	KM09-6F-COMP	8/27/09	0801	0	1-802																
3	KM09-6-38	8/27/09	0808	0	1-402																
4	KM09-6-39	8/27/09	0814	0	1-402																
5	KM09-6-40	8/27/09	0820	0	1-402																
6	KM09-6-41	8/27/09	0824	0	1-402																
7	KM09-6-42	8/27/09	0829	0	1-402																
8	KM09-6-43	8/27/09	0845	0	1-402																
9	KM09-6G-COMP	8/27/09	0847	0	1-802																
10	KM09-40-44	8/27/09	0851	0	1-402																

Relinquished by	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished by	<i>Chris Brown</i>	AMEC	8/27/09	3pm	O = concrete dust
Received by	<i>Brian Funtke</i>	Speedy	8/27/09	3pm	
Relinquished by	<i>Brian Funtke</i>	Speedy	8/27/09	5:10	
Received by	<i>CMO</i>	883	8/27/09	1710	
Relinquished by					
Received by					
Reviewed by/Date					Chromatograms with final report ☐



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Chain of Custody

Page 3 of 6

Laboratory Number: 08-208

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)

(TPH analysis 5 working days)

(other)

Company: Alec Geomatrix
Project Number: 14697.000
Project Name: Kelly Moore
Project Manager: J. Gray
Sampled by: C. Dowman, C. Brown

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Analysis																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
						NWTP	NWTP	NWTP	Volatiles	Halogenes	Semivol	PAHs	PCBs	Pesticid	Herbicide	Total F	TCLP	HEM R	He																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
21	KM09-6-54	8/27/09	1007	0	1-402																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

Signature	Company	Date	Time	Comments/Special Instructions
<u>Alec Brown</u>	Alec	8/27/09	3pm	O = concrete dust
<u>Brian Faith</u>	Speedy	8/27/09	3pm	
<u>Brian Faith</u>	Speedy	8/27	5:10	
<u>DLG</u>	DLG	8/29/09	1710	

Reviewed by/Date

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy



Phone: (425) 885-3881 • Fax: (425) 885-4603

Chain of Custody

Laboratory Number: 08-208

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)

(TPH analysis 5 working days)

☐ (other)

Company: AMEC Geomatrix
Project Number: 14697.000
Project Name: Kelly Moore
Project Manager: T. GRAY
Sampled by: C. DOWNMAN / C. BROWN

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-GX/BTEX	NWTPH-DX	Volatiles by 8260B	Halo-genated Volatiles by 8260B	Semi-volatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total FCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
41	KM09-7-05	8/27/09	1314	0	1-402														
42	KM09-7-06		1320	0	1-402														
43	KM09-7-07		1325	0	1-402														
44	KM09-7-08		1330	0	1-402														
45	KM09-7-09		1334	0	1-402														
46	KM09-7-10		1348	0	1-402														
47	KM09-7B-comp		1348	0	1-802														
48	KM09-7-11		1357	0	1-402														
49	KM09-7-12		1400	0	1-402														
50	KM09-7-13		1400	0	1-402														

Signature	Company	Date	Time	Comments/Special Instructions
Alt. Brewer	AMEC	8/27/09	3:00	O = concrete dust.
Brian Smith	Speedy	8/27/09	3:00	
Brian Smith	Speedy	8/27	5:10	
ME	QSE	8/27/09	1710	
Relinquished by				
Received by				
Relinquished by				
Received by				
Relinquished by				
Received by				
Reviewed by/Date				Chromatograms with final report ☐

Laboratory Reference No. 0908-208B



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 16, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0908-208B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 27, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', followed by a horizontal line.

David Baumeister
Project Manager

Enclosures

Date of Report: September 16, 2009
Samples Submitted: August 27, 2009
Laboratory Reference: 0908-208B
Project: 14697.000

Case Narrative

Samples were collected on August 27, 2009, and received by the laboratory on August 27, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: September 16, 2009
 Samples Submitted: August 27, 2009
 Lab Traveler: 0908-208B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-52					
Laboratory ID:	08-208-19					
Aroclor 1016	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1221	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1232	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1242	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1248	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1254	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1260	ND	0.50	EPA 8082	9-12-09	9-14-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	103	33-122				
Client ID:	KM09-6-53					
Laboratory ID:	08-208-20					
Aroclor 1016	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1221	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1232	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1242	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1248	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1254	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1260	ND	0.50	EPA 8082	9-12-09	9-14-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	99	33-122				
Client ID:	KM09-6-54					
Laboratory ID:	08-208-21					
Aroclor 1016	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1221	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1232	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1242	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1248	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1254	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1260	0.60	0.50	EPA 8082	9-12-09	9-14-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	100	33-122				

Date of Report: September 16, 2009
 Samples Submitted: August 27, 2009
 Lab Traveler: 0908-208B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-55					
Laboratory ID:	08-208-22					
Aroclor 1016	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1221	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1232	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1242	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1248	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1254	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1260	ND	0.50	EPA 8082	9-12-09	9-14-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	87	33-122				
Client ID:	KM09-6-56					
Laboratory ID:	08-208-23					
Aroclor 1016	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1221	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1232	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1242	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1248	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1254	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1260	ND	0.50	EPA 8082	9-12-09	9-14-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	85	33-122				
Client ID:	KM09-6-57					
Laboratory ID:	08-208-24					
Aroclor 1016	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1221	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1232	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1242	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1248	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1254	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1260	ND	0.50	EPA 8082	9-12-09	9-14-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	91	33-122				

Date of Report: September 16, 2009
 Samples Submitted: August 27, 2009
 Lab Traveler: 0908-208B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-58					
Laboratory ID:	08-208-25					
Aroclor 1016	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1221	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1232	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1242	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1248	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1254	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1260	ND	0.50	EPA 8082	9-12-09	9-14-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	97	33-122				
Client ID:	KM09-6-59					
Laboratory ID:	08-208-26					
Aroclor 1016	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1221	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1232	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1242	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1248	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1254	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1260	1.5	0.50	EPA 8082	9-12-09	9-14-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	107	33-122				
Client ID:	KM09-6-60					
Laboratory ID:	08-208-27					
Aroclor 1016	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1221	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1232	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1242	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1248	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1254	1.7	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1260	3.2	0.50	EPA 8082	9-12-09	9-14-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	112	33-122				

Date of Report: September 16, 2009
 Samples Submitted: August 27, 2009
 Lab Traveler: 0908-208B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KM09-6-61						
Laboratory ID:	08-208-29					
Aroclor 1016	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1221	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1232	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1242	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1248	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1254	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1260	ND	0.50	EPA 8082	9-12-09	9-14-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	110	33-122				
Client ID: KM09-6-62						
Laboratory ID:	08-208-30					
Aroclor 1016	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1221	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1232	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1242	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1248	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1254	1.9	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1260	3.5	0.50	EPA 8082	9-12-09	9-14-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	102	33-122				
Client ID: KM09-6-63						
Laboratory ID:	08-208-31					
Aroclor 1016	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1221	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1232	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1242	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1248	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1254	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1260	ND	0.50	EPA 8082	9-12-09	9-14-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	101	33-122				

Date of Report: September 16, 2009
 Samples Submitted: August 27, 2009
 Lab Traveler: 0908-208B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-64					
Laboratory ID:	08-208-32					
Aroclor 1016	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1221	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1232	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1242	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1248	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1254	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1260	ND	0.50	EPA 8082	9-12-09	9-14-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	96	33-122				
Client ID:	KM09-6-65					
Laboratory ID:	08-208-33					
Aroclor 1016	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1221	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1232	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1242	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1248	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1254	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1260	ND	0.50	EPA 8082	9-12-09	9-14-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	113	33-122				
Client ID:	KM09-6-66					
Laboratory ID:	08-208-34					
Aroclor 1016	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1221	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1232	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1242	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1248	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1254	ND	0.50	EPA 8082	9-12-09	9-14-09	
Aroclor 1260	ND	0.50	EPA 8082	9-12-09	9-14-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	106	33-122				

Date of Report: September 16, 2009
 Samples Submitted: August 27, 2009
 Lab Traveler: 0908-208B
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0912S1					
Aroclor 1016	ND	0.050	EPA 8082	9-12-09	9-14-09	
Aroclor 1221	ND	0.050	EPA 8082	9-12-09	9-14-09	
Aroclor 1232	ND	0.050	EPA 8082	9-12-09	9-14-09	
Aroclor 1242	ND	0.050	EPA 8082	9-12-09	9-14-09	
Aroclor 1248	ND	0.050	EPA 8082	9-12-09	9-14-09	
Aroclor 1254	ND	0.050	EPA 8082	9-12-09	9-14-09	
Aroclor 1260	ND	0.050	EPA 8082	9-12-09	9-14-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	96	33-122				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	09-100-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.516	0.476	0.500	0.500	ND	103	95	24-125	8	18	
Surrogate:											
DCB						70	101	33-122			



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- Y - Sample extract treated with an acid/silica gel cleanup procedure.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference

Company: AMEC Seamatrix
Project Number: 14697.000
Project Name: Kelly - Moore
Project Manager: T. Gerny
Sampled by: C. Downman / C. Brown

Turnaround Request
(in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Day ☐ 3 Day
☒ Standard (7 working days)
(TPH analysis 5 working days)
☐ (other)

Chain of Custody

08-208

Laboratory Number:

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-GX/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
1	KM09-6-32	8/27/09	0801	0	1-402														
2	KM09-6F-COMP	8/27/09	0801	0	1-802														
3	KM09-6-38	8/27/09	0808	0	1-402														
4	KM09-6-39	8/27/09	0814	0	1-402														
5	KM09-6-40	8/27/09	0820	0	1-402														
6	KM09-6-41	8/27/09	0824	0	1-402														
7	KM09-6-42	8/27/09	0829	0	1-402														
8	KM09-6-43	8/27/09	0845	0	1-402														
9	KM09-6G-COMP	8/27/09	0847	0	1-802														
10	KM09-40-44	8/27/09	0851	0	1-402														

Comments/Special Instructions:

Date

Company

Signature

Relinquished by	<u>Chris Brown</u>	8/27/09	3pm																
Received by	<u>Brian Finkbeiner</u>	8/27/09	3pm																
Relinquished by	<u>Brian Finkbeiner</u>	8/27/09	5:10																
Received by	<u>CMC</u>	8/27/09	1710																
Relinquished by																			
Received by																			
Reviewed by/Date																			

O = concrete dust

Added 9/10/09. DB.

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐



Phone: (425) 883-3881 • Fax: (425) 885-4603

Chain of Custody

Page 2 of 6

08-208

Turnaround Request (in working days)		Laboratory Number:																			
(Check One)																					
☐ Same Day	☐ 1 Day																				
☐ 2 Day	☐ 3 Day																				
☒ Standard (7 working days) (TPH analysis 5 working days)																					
☐ (other)																					
Company:	Amec Geomatics																				
Project Number:	14697-000																				
Project Name:	Kelly-Moore																				
Project Manager:	J. Gray																				
Sampled by:	C. Dowman / C. Brown																				
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	FPA 8082A-PCB	% Moisture	
11	KM09-6-45	8/27/09	0905	0	1-402																
12	KM09-6-46		0915	0	1-402																
13	KM09-6-47		0920	0	1-402																
14	KM09-6-48		0926	0	1-402																
15	KM09-6-49		0933	0	1-402																
16	KM09-6-50		0940	0	1-402																
17	KM09-6-51		0943	0	1-402																
18	KM09-6H-comp		0955	0	1-802																
19	KM09-6-52		0955	0	1-402																
20	KM09-6-53		0000	0	1-402																
Relinquished by	Cheri Brown	Signature	Date	Time	Comments/Special Instructions																
Received by	Brian Smith		8/27/09	3:10	0 = concrete dust																
Relinquished by	Brian Smith		8/27/09	3:10	Added 9/10/09. DB																
Received by	Cheri Brown		8/27/09	1710																	
Relinquished by																					
Received by																					
Reviewed by/Date																					

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy



Chain of Custody

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company:

IV: Five Geometrix

Project Number:

41697000

Project Name:

Name: Kelly Moore

Project Manager: J

11

①

Sampled by: C. Dawman, C. Brown

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.
21	KM09-6-54	↓	8/27/09 1007	0	1-40E
22	KM09-6-55		1015	0	1-40E
23	KM09-6-56		1020	0	1-40E
24	KM09-6-57		1025	0	1-40E
25	KM09-6-58		1030	0	1-40E
26	KM09-6-59		1035	0	1-40E
27	KM09-6-60		1040	0	1-40E
28	KM09-6-61	↓	1047	0	1-80E
29	KM09-6-61		1047	0	1-40E
30	KM09-6-62		1051	0	1-40E

	Signature	Company
Relinquished by	<i>Alce, Bacon</i>	<i>Alwee</i>
Received by	<i>Brian Smith</i>	<i>Speedy</i>
Relinquished by	<i>Brian Smith</i>	<i>Speedy</i>
Received by	<i>DRG</i>	<i>DRG</i>
Relinquished by		
Received by		

Reviewed by/Date

Reviewed by/Date

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Chromatograms with final report ☐

O = concrete dust
 Added 9/10/09. DB

Chain of Custody

Turnaround Request (in working days)		Laboratory Number: 08-208										Requested Analysis									
(Check One)																					
☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☒ Standard (7 working days) (TPH analysis 5 working days) ☐ (other)																					
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture		
31	KM09-6-63	8/27/09	1105	O	1-402																
32	KM09-6-64		1110	O	1-402																
33	KM09-6-65		1112	O	1-402																
34	KM09-6-66		1115	O	1-402																
35	EB-02-082709		1210	W	1-1L																
36	KM09-7-01		1247	O	1-402																
37	KM09-7A-Camp		1247	O	1-802																
38	KM09-7-02		1258	O	1-402																
39	KM09-7-03		1302	O	1-402																
40	KM09-7-04		1307	O	1-402																
Relinquished by		Signature		Company		Date		Time		Comments/Special Instructions											
Altec Brown		Altec		Altec		8/27/09		3:00		O=concrete dust W=water											
Received by		Signature		Company		Date		Time													
Brown		Speedy		Speedy		8/27/09		5:00													
Relinquished by		Signature		Company		Date		Time													
Brown		Speedy		Speedy		8/27		5:10													
Received by		Signature		Company		Date		Time													
Brown		Speedy		Speedy		8/27/09		1710													
Relinquished by		Signature		Company		Date		Time													
Received by		Signature		Company		Date		Time													
Reviewed by/Date		Reviewed by/Date																			

Laboratory Reference No.0908-213



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 4, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0908-213

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 28, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: September 4, 2009
Samples Submitted: August 28, 2009
Laboratory Reference: 0908-213
Project: 14697.000

Case Narrative

Samples were collected on August 27 and 28, 2009, and received by the laboratory on August 28, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

PCBs EPA 8082 (water) Analysis

The surrogate recovery for the Method Blank (188%) was above the quality control limits of 39 – 128%. Since the sample was non-detect for PCBs and the surrogate recovery showed high bias, no further action was performed.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: September 4, 2009
 Samples Submitted: August 28, 2009
 Lab Traveler: 0908-213
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KM09-7C-COMP						
Laboratory ID:	08-213-01					
Aroclor 1016	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	1.5	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	1.1	0.20	EPA 8082	9-1-09	9-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	101	33-122				
Client ID: KM09-7D-COMP						
Laboratory ID:	08-213-12					
Aroclor 1016	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	ND	0.20	EPA 8082	9-1-09	9-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	96	33-122				
Client ID: KM09-7E-COMP						
Laboratory ID:	08-213-20					
Aroclor 1016	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	ND	0.20	EPA 8082	9-1-09	9-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	97	33-122				

Date of Report: September 4, 2009
 Samples Submitted: August 28, 2009
 Lab Traveler: 0908-213
 Project: 14697.000

PCBs by EPA 8082

Matrix: Wood/ Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KM09-8C-COMP						
Laboratory ID:	08-213-46					
Aroclor 1016	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	ND	0.20	EPA 8082	9-1-09	9-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	98	33-122				
Client ID: KM09-8D-COMP						
Laboratory ID:	08-213-52					
Aroclor 1016	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	ND	0.20	EPA 8082	9-1-09	9-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	92	33-122				
Client ID: KM09-8-Dup						
Laboratory ID:	08-213-53					
Aroclor 1016	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	ND	0.20	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	ND	0.20	EPA 8082	9-1-09	9-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	98	33-122				

Date of Report: September 4, 2009
 Samples Submitted: August 28, 2009
 Lab Traveler: 0908-213
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Solids
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0901S1					
Aroclor 1016	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1221	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1232	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1242	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1248	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1254	ND	0.020	EPA 8082	9-1-09	9-1-09	
Aroclor 1260	ND	0.020	EPA 8082	9-1-09	9-1-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	92	33-122				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	08-221-02										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.537	0.515	0.500	0.500	ND	107	103	24-125	4	18	
Surrogate:											
DCB						101	96	33-122			

Date of Report: September 4, 2009
 Samples Submitted: August 28, 2009
 Lab Traveler: 0908-213
 Project: 14697.000

PCBs by EPA 8082

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	EB-03-082809					
Laboratory ID:	08-213-30					
Aroclor 1016	ND	0.090	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.090	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.090	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.090	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.090	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	ND	0.090	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	ND	0.090	EPA 8082	9-1-09	9-2-09	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>113</i>	<i>39-128</i>				

Date of Report: September 4, 2009
 Samples Submitted: August 28, 2009
 Lab Traveler: 0908-213
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0901W1					
Aroclor 1016	ND	0.050	EPA 8082	9-1-09	9-2-09	
Aroclor 1221	ND	0.050	EPA 8082	9-1-09	9-2-09	
Aroclor 1232	ND	0.050	EPA 8082	9-1-09	9-2-09	
Aroclor 1242	ND	0.050	EPA 8082	9-1-09	9-2-09	
Aroclor 1248	ND	0.050	EPA 8082	9-1-09	9-2-09	
Aroclor 1254	ND	0.050	EPA 8082	9-1-09	9-2-09	
Aroclor 1260	ND	0.050	EPA 8082	9-1-09	9-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	188	39-128				Q

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0901W1									
	SB	SBD	SB	SBD		SB	SBD			
Aroclor 1260	0.405	0.453	0.500	0.500	N/A	81	91	58-113	11	11
Surrogate:										
DCB						81	89	39-128		

Date of Report: September 4, 2009
 Samples Submitted: August 28, 2009
 Lab Traveler: 0908-213
 Project: 14697.000

PCBs by EPA 8082

Matrix: Wipe
 Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KM09-8A-Comp						
Laboratory ID:	08-213-31					
Aroclor 1016	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1221	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1232	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1242	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1248	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1254	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1260	ND	0.83	EPA 8082	8-31-09	9-1-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	82	68-125				
Client ID: KM09-8B-Comp						
Laboratory ID:	08-213-39					
Aroclor 1016	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1221	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1232	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1242	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1248	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1254	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1260	ND	0.83	EPA 8082	8-31-09	9-1-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	82	68-125				

Date of Report: September 4, 2009
 Samples Submitted: August 28, 2009
 Lab Traveler: 0908-213
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Wipe
 Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0831P1					
Aroclor 1016	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1221	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1232	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1242	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1248	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1254	ND	0.83	EPA 8082	8-31-09	9-1-09	
Aroclor 1260	ND	0.83	EPA 8082	8-31-09	9-1-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	84	68-125				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0831P1									
	SB	SBD	SB	SBD		SB	SBD			
Aroclor 1260	8.03	7.70	8.33	8.33	N/A	96	92	86-120	4	5
Surrogate:										
DCB						84	82	68-125		



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- Y - Sample extract treated with an acid/silica gel cleanup procedure.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference



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Chain of Custody

Page 1 of 7

Laboratory Number: 08-213

Turnaround Request
(In working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)
(TPH analysis 5 working days)

(other)

Company: Amec Geomatrix
Project Number: 14697.000
Project Name: Kelly Moore
Project Manager: T. Coxay
Sampled by: C. Deerman, C. Brown

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-GX/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
1	KM09-7C-Comp	8/27/09	1444	O	1x8oz														
2	KM09-7-19		1446	O	2x4oz														
3	KM09-7-20		1450	O	1x4oz														
4	KM09-7-21		1457	O	1x4oz														
5	KM09-7-22		1508	O	1x4oz														
6	KM09-7-23		1512	O	1x4oz														
7	KM09-7-24		1516	O	1x4oz														
8	KM09-7-25		1522	O	1x4oz														
9	KM09-7-26		1527	O	1x4oz														
10	KM09-7-27		1530	O	1x4oz														

Signature	Date	Time	Comments/Special Instructions
<u>[Signature]</u>	8/28/09	1505	O = concrete dust
<u>[Signature]</u>	8/28/09	1505	
<u>[Signature]</u>	"	1648	
<u>[Signature]</u>	8/28/09	1648	
Relinquished by			
Received by			
Relinquished by			
Received by			
Relinquished by			
Received by			
Reviewed by/Date			Chromatograms with final report ☐



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Phone: (425) 883-3881 • Fax: (425) 885-4603

Company:

Aneec Geomatrix

Project Number:

14697.000

Project Name:

Kelly-Moore

Project Manager:

J. Gray

Sampled by:

C. Deelman, C. Brown

Turnaround Request
(in working days)

(Check One)

☐ Same Day

☐ 1 Day

☐ 2 Day

☐ 3 Day

☒ Standard (7 working days)

☐ TPH analysis 5 working days

(other)

Chain of Custody

Page 2 of 7

Laboratory Number:

08-213

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Com.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
11	KM09-7-28	8/28/09	755		1x40z														
12	KM09-7D-comp		755		1x80z														
13	KM09-7-29		756		1x40z														
14	KM09-7-30		758		1x40z														
15	KM09-7-31		0801		1x40z														
16	KM09-7-32		0806		1x40z														
17	KM09-7-33		0808		1x40z														
18	KM09-7-34		0812		1x40z														
19	KM09-7-35		0815		1x40z														
20	KM09-7E-comp		0826		1x40z														

Comments/Special Instructions

0 = concrete dust

Relinquished by

Received by

Relinquished by

Received by

Relinquished by

Received by

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy



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Company:

Company: Amecc Geomatrix

Project Number:

14697.000

Project Name:

Kelly Moore

Project Manager:

1.6 sec

Samnled by:

Sampled by: C. Dowman / C. Brown

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTP	NWTP	Volatile	Haloge	Semiv	PAHs	PCBs	Pestic	Herbic	Total F	TCLP	HEM R	% M
21	KM09-7-36	8/28/09	826	O	1x40z											X		
22	KM09-7-37	↓	836	O	1x40z											X		
23	KM09-7-38		808	O	1x40z												X	
24	KM09-7-39		812	O	1x40z												X	
25	KM09-7-40		815	O	1x40z												X	
26	KM09-7-41	↓	818	O	1x40z											X		
27	KM09-7-42		822	O	1x40z												X	
28	KM09-7-43		826	O	1x40z												X	
29	KM09-7-44		832	O	1x40z												X	
30	EB-03-082809	↘	835	O	1xL											X		
Relinquished by				Arec Graphics		8/28/9	1505										O=concrete dust	
Received by				Speedy Mngr		8/28/9	1305											
Relinquished by				" "		"	1648											
Received by				DSE		8/28/09	1648											
Relinquished by																		
Received by																		
Reviewed by/Date																		Chromatograms with final report ☐

Chain of Custody

Laboratory Number: **08-213**

Company: Amec Geomatrix
 Project Number: 14697.000
 Project Name: Kelly-Moore
 Project Manager: T. Geary
 Sampled by: C. DOWMAN/C. Brown

Turnaround Request (in working days)
 (Check One)
☐ Same Day ☐ 1 Day
☐ 2 Day ☐ 3 Day
☒ Standard (7 working days)
 (TPH analysis 5 working days)
☐ (other)

Company: Amec Geomatrix		Project Number: 14697.000		Project Name: Kelly-Moore		Project Manager: T. Gray		Sampled by: C. DOWMAN/C. BLAWN		☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☒ Standard (7 working days) (TPH analysis 5 working days) ☐ (other)		Requested Analysis														
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-GX/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture							
41	KM09-8-14	8/28/9	1206	W	1-402																					
42	KM09-8-15		1210	W	1-402																					
43	KM09-8-16		1215	W	1-402																					
44	KM09-8-17		1218	W	1-402																					
45	KM09-8-01		1343	OT	1-402																					
46	KM09-8C-comp		1343	OT	1-402								X													
47	KM09-8-02		1347	OT	1-402																					
48	KM09-8-03		1352	OT	1-402																					
49	KM09-8-04		1354	OT	1-402																					
50	KM09-8-05		1359	OT	1-402																					

Hold

Relinquished by	<u>[Signature]</u>	Date	<u>8/28/9</u>	Time	<u>1505</u>	Comments/Special Instructions W = wipe sample OT = wood
Received by	<u>[Signature]</u>	<u>8/28/9</u>	<u>1505</u>			
Relinquished by	<u>[Signature]</u>	<u>"</u>	<u>1648</u>			
Received by	<u>[Signature]</u>	<u>8/28/09</u>	<u>1648</u>			
Relinquished by						
Received by						
Reviewed by/Date						Chromatograms with final report ☐



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Chain of Custody

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Turnaround Request (in working days)		Laboratory Number: 08-213										Requested Analysis									
(Check One)																					
☐ Same Day																					
☐ 2 Day																					
☒ Standard (7 working days) (TPH analysis 5 working days)																					
☐ (other)																					
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-GX/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total PCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture		
51	KM09-8-18	8/28/9	1425	O	1-402																
52	KM09-8D-Come		1425	O	1-402																
53	KM09-8-DUP		1426	O	1-402																
54	KM09-8-19		1430	O	1-402																
55	KM09-8-20		1434	O	1-402																
56	KM09-8-21		1439	O	1-402																
57	KM09-8-22		1442	O	1-402																
58	KM09-8-23		1446	O	1-402																
59	KM09-8-24		1450	O	1-402																
60	KM09-8-25		1452	O	1-402																
Relinquished by		Signature		Company		Date		Time		Comments/Special Instructions											
				Amy GeoMatrix		8/28/9		1505		O = Dust of concrete											
Received by				Spradly Manger		8/28/9		1505													
Relinquished by				Amy GeoMatrix				1648													
Received by				Amy GeoMatrix		8/28/9		1648													
Relinquished by																					
Received by																					
Reviewed by/Date										Chromatograms with final report ☐											



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Chain of Custody

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Company: <u>AneC GeoAtrix</u>		Laboratory Number: <u>08-213</u>																		
Project Number: <u>14697.000</u>		Requested Analysis																		
Project Name: <u>Kelly-Moore</u>																				
Project Manager: <u>T. GRAY</u>																				
Sampled by: <u>C. DOWNMAN/C. BROWN</u>																				
Lab ID	Sample Identification	Date Sampled	Time Sampled	# of Matrix	# of Cont.	NWTPH-HCID	NWTPH-GX/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture	
61	KMO9-8-26	8/28/8	1456	0	1-4.02															
Turnaround Request (in working days) ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☒ Standard (7 working days) (PH analysis 5 working days) ☐ (other)																				
Signature: <u>[Signature]</u> Relinquished by Received by Relinquished by Received by Relinquished by Received by Reviewed by/Date																				
Company: <u>AneC GeoAtrix</u> Specimen Manager " " <u>[Signature]</u> Reviewed by/Date																				
Comments/Special Instructions: <u>2-Dust of Limestone</u> Chromatograms with final report ☐																				

Laboratory Reference No.0908-213B



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 17, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0908-213B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 28, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', followed by a long horizontal flourish.

David Baumeister
Project Manager

Enclosures

Date of Report: September 17, 2009
Samples Submitted: August 28, 2009
Laboratory Reference: 0908-213B
Project: 14697.000

Case Narrative

Samples were collected on August 27 and 28, 2009, and received by the laboratory on August 28, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: September 17, 2009
 Samples Submitted: August 28, 2009
 Lab Traveler: 0908-213B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-7-19					
Laboratory ID:	08-213-02					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	ND	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	92	33-122				
Client ID:	KM09-7-20					
Laboratory ID:	08-213-03					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	ND	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	95	33-122				
Client ID:	KM09-7-21					
Laboratory ID:	08-213-04					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	ND	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	108	33-122				

Date of Report: September 17, 2009
 Samples Submitted: August 28, 2009
 Lab Traveler: 0908-213B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KM09-7-22						
Laboratory ID:	08-213-05					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	ND	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	93	33-122				
Client ID: KM09-7-23						
Laboratory ID:	08-213-06					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	ND	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	96	33-122				
Client ID: KM09-7-24						
Laboratory ID:	08-213-07					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	17	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	8.8	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	96	33-122				

Date of Report: September 17, 2009
 Samples Submitted: August 28, 2009
 Lab Traveler: 0908-213B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KM09-7-25						
Laboratory ID:	08-213-08					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	ND	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	85	33-122				
Client ID: KM09-7-26						
Laboratory ID:	08-213-09					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	ND	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	106	33-122				
Client ID: KM09-7-27						
Laboratory ID:	08-213-10					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	ND	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	99	33-122				

Date of Report: September 17, 2009
 Samples Submitted: August 28, 2009
 Lab Traveler: 0908-213B
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Solids
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0914S1					
Aroclor 1016	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1221	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1232	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1242	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1248	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1254	ND	0.50	EPA 8082	9-14-09	9-15-09	
Aroclor 1260	ND	0.50	EPA 8082	9-14-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	94	33-122				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	08-213-02										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	4.56	4.31	5.00	5.00	ND	91	86	24-125	6	18	
Surrogate:											
DCB						92	87	33-122			



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- Y - Sample extract treated with an acid/silica gel cleanup procedure.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference



Page 1 of 7

Page 1 of 7

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Avec Geomatrix

Project Number:

460700

Project Name:

Kelly Moore

Project Manager:

T. Gray

Sampled by:

C. Deelman, C. Brown

Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

08-213

Laboratory Number:

Requested Analysis

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)
(TPH analysis 5 working days)

(other)

Date Sampled Time Sampled Matrix # of Cont.

LabID Sample Identification

1	KM09-7C-COMP	8/27/09	1444	O	1x8oz
2	KM09-7-19		1446	O	1x4oz
3	KM09-7-20		1450	O	1x4oz
4	KM09-7-21		1457	O	1x4oz
5	KM09-7-22		1508	O	1x4oz
6	KM09-7-23		1512	O	1x4oz
7	KM09-7-24		1516	O	1x4oz
8	KM09-7-25		1522	O	1x4oz
9	KM09-7-26		1527	O	1x4oz
10	KM09-7-27	↓	1530	O	1x4oz

Signature

Company

Date

Time

Comments/Special Instructions

Relinquished by

Received by

Relinquished by

Received by

Relinquished by

Received by

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

Company: Amec Geomatrix

Project Number:

14697.000

Project Name:

Kelly Moore

Project Manager:

J. Gay

Sampled by:

C. Downman, C. Brown

NWTPH-HCID
NWTPH-GX/BTEX
NWTPH-DX
Volatiles by 8260B
Halogenated Volatiles by 8260B
Semi-volatiles by 8270D
PAHs by 8270D / SIM
PCBs by 8082
Pesticides by 8081A
Herbicides by 8151A
Total PCFA Metals (8)
TCLP Metals
HEM by 1664
Moisture

O = concrete dust

Added 9/10/09. DB



Page 3 of 7

Company:	Amec Geomatrix
Project Number:	14697.000
Project Name:	Kelly Moore
Project Manager:	T. Gray
Sampled by:	C. Dowman / C. Brown

Sampled by: C. Dowman / C. Brown

[illegible]

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished by	[Signature]	Arec Gramafix	8/28/9	1505	O=concrete dust
Received by	[Signature]	Speedy Mngnr	8/28/9	1305	
Relinquished by	[Signature]	" "	"	1648	
Received by	[Signature]	DSE	8/28/09	1648	
Relinquished by					
Received by					
Reviewed by/Date		Reviewed by/Date			Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Chain of Custody

Company: Arec Geomatrix Project Number: 14697.000 Project Name: Kelly-Moore Project Manager: T. Gray Sampled by: C. Downman / C. Blawn		Turnaround Request (in working days) ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☒ Standard (7 working days) (TPH analysis 5 working days) ☐ (other)										Laboratory Number: 08-213										
Lab ID		Sample Identification		Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture	
41	KM09-8-14			8/28/9	1206	W	1-402															
42	KM09-8-15				1210	W	1-402															
43	KM09-8-16				1215	W	1-402															
44	KM09-8-17				1218	W	1-402															
45	KM09-8-01				1343	OT	1-402															
46	KM09-8C-comp				1343	OT	1-402															
47	KM09-8-02				1347	OT	1-402															
48	KM09-8-03				1352	OT	1-402															
49	KM09-8-04				1354	OT	1-402															
50	KM09-8-05				1359	OT	1-402															
Relinquished by		Signature: <i>[Signature]</i>		Company: Arec Geomatrix		Date: 8/28/9		Time: 1505		Comments/Special Instructions: W = wipe sample of wood												
Received by		Signature: <i>[Signature]</i>		Company: Speedy Mgr		Date: 8/28/9		Time: 1505														
Relinquished by		Signature: <i>[Signature]</i>		Company: " "		Date: " "		Time: 1648														
Received by		Signature: <i>[Signature]</i>		Company: QSE		Date: 8/28/09		Time: 1648														
Relinquished by																						
Received by																						
Reviewed by/Date																						



Page 6 of 7

Page 6 of 7

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company:

Company: Amc Geomatrix

Project Number: _____

Project Number: 14697.000

Project Name:

Project Name: Kelly-Moore

Project Manager:

Project Manager: T. SEAY

Sampled by:

Sampled by: C. DOWMAN/C. Brown

Environmental Inc. Phone: (425) 883-3861 • Fax: (425) 885-4603		Laboratory Number: 08-213																	
Company: Amec Geomatrix Project Number: 14097.000 Project Name: Kelly-Moore Project Manager: T. Geary Sampled by: C. Downman/C. Brown		Turnaround Request (in working days) ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☒ Standard (7 working days) (TPH analysis 5 working days) ☐ (other)																	
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-GX/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
51	KM09-8-18	8/28/9	1425	O	1-402														
52	KM09-8D-Comp		1425	O	1-402														
53	KM09-8-DUP		1426	O	1-402														
54	KM09-8-19		1430	O	1-402														
55	KM09-8-20		1434	O	1-402														
56	KM09-8-21		1439	O	1-402														
57	KM09-8-22		1442	O	1-402														
58	KM09-8-23		1446	O	1-402														
59	KM09-8-24		1450	O	1-402														
60	KM09-8-25		1452	O	1-402														
Relinquished by		Signature	Company	Date	Time	Comments/Special Instructions													
Received by		<i>[Signature]</i>	Amec Geomatrix	8/28/9	1505	O = Dust of concrete													
Relinquished by		<i>[Signature]</i>	Sperry Mgr.	8/28/9	1505														
Received by		<i>[Signature]</i>	" "	"	1648														
Relinquished by		<i>[Signature]</i>	OSI	8/28/9	1648														
Received by		<i>[Signature]</i>																	
Reviewed by/Date		Reviewed by/Date				Chromatograms with final report ☐													

Laboratory Reference No.0908-230



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 4, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0908-230

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 31, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', followed by a long horizontal flourish.

David Baumeister
Project Manager

Enclosures

Date of Report: September 4, 2009
Samples Submitted: August 31, 2009
Laboratory Reference: 0908-230
Project: 14697.000

Case Narrative

Samples were collected on August 31, 2009, and received by the laboratory on August 31, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: September 4, 2009
 Samples Submitted: August 31, 2009
 Lab Traveler: 0908-230
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KM09-8E-Comp						
Laboratory ID:	08-230-01					
Aroclor 1016	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1221	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1232	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1242	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1248	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1254	2.4	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1260	2.3	0.20	EPA 8082	9-3-09	9-3-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	63	33-122				
Client ID: KM09-8F-Comp						
Laboratory ID:	08-230-09					
Aroclor 1016	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1221	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1232	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1242	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1248	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1254	1.1	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1260	0.91	0.20	EPA 8082	9-3-09	9-3-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	73	33-122				
Client ID: KM09-8G-Comp						
Laboratory ID:	08-230-16					
Aroclor 1016	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1221	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1232	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1242	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1248	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1254	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1260	7.5	0.20	EPA 8082	9-3-09	9-3-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	58	33-122				

Date of Report: September 4, 2009
 Samples Submitted: August 31, 2009
 Lab Traveler: 0908-230
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KM09-8H-Comp						
Laboratory ID:	08-230-24					
Aroclor 1016	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1221	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1232	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1242	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1248	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1254	2.7	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1260	1.8	0.20	EPA 8082	9-3-09	9-3-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	74	33-122				
Client ID: KM09-8I-Comp						
Laboratory ID:	08-230-33					
Aroclor 1016	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1221	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1232	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1242	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1248	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1254	0.64	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1260	0.34	0.20	EPA 8082	9-3-09	9-3-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	65	33-122				
Client ID: KM09-8J-Comp						
Laboratory ID:	08-230-42					
Aroclor 1016	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1221	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1232	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1242	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1248	ND	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1254	0.23	0.20	EPA 8082	9-3-09	9-3-09	
Aroclor 1260	ND	0.20	EPA 8082	9-3-09	9-3-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	67	33-122				

Date of Report: September 4, 2009
 Samples Submitted: August 31, 2009
 Lab Traveler: 0908-230
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Solids
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0902S1					
Aroclor 1016	ND	0.020	EPA 8082	9-3-09	9-3-09	
Aroclor 1221	ND	0.020	EPA 8082	9-3-09	9-3-09	
Aroclor 1232	ND	0.020	EPA 8082	9-3-09	9-3-09	
Aroclor 1242	ND	0.020	EPA 8082	9-3-09	9-3-09	
Aroclor 1248	ND	0.020	EPA 8082	9-3-09	9-3-09	
Aroclor 1254	ND	0.020	EPA 8082	9-3-09	9-3-09	
Aroclor 1260	ND	0.020	EPA 8082	9-3-09	9-3-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	74	33-122				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	08-230-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	6.41	6.50	5.00	5.00	2.33	82	83	24-125	1	18	
Surrogate:											
DCB						80	78	33-122			



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- Y - Sample extract treated with an acid/silica gel cleanup procedure.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference



Phone: (425) 883-3881 • Fax: (425) 885-4603

Company:

Ameo Geomatrix

Project Number:

14697.000

Project Name:

Kelly-Moore

Project Manager:

T. Gray

Sampled by:

C. Brown, E. Erikson

Chain of Custody

Page 1 of 5

Laboratory Number:

08-230

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)
(TPH analysis 5 working days)

☐ (other)

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-GX/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
1	KM09-8E-comp	8/31/09	815	○	1x40z									X					
2	KM09-8-27		815	○	1x40z														
3	KM09-8-28		825	○	1x40z														
4	KM09-8-29		830	○	1x40z														
5	KM09-8-30		835	○	1x40z														
6	KM09-8-31		842	○	1x40z														
7	KM09-8-32		848	○	1x40z														
8	KM09-8-33		856	○	1x40z														
9	KM09-8F-comp		856	○	1x80z								X						
10	KM09-8-34		900	○	1x40z														

Comments/Special Instructions

O = concrete dust.

8/31/09 1350

8/31/09 1350

8/31/09 1555

8/31/09 1555

Ameo GMX

Specy

Specy

QSE

Cheri Bevan

Van

Van

ME

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

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Phone: (425) 883-3881 • Fax: (425) 885-4603

Chain of Custody

Page 2 of 5

Company: **Amec Geosyntec**
Environmental Inc.

Project Number:

14697.000

Project Name:

Kelly Moore

Project Manager:

L. Gray

Sampled by:

C. Brown, E. Erikson

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)
(TPH analysis 5 working days)

☐ (other)

Laboratory Number:

08-230

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total PCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
11	KMO9-8-35	8/31/09	905		1x40z														
12	KMO9-8-36	909			1x40z														
13	KMO9-8-37	913			1x40z														
14	KMO9-8-38	917			1x40z														
15	KMO9-8-40	930			1x40z														
16	KMO9-86-comp	930			1x80z								X						
17	KMO9-8-41	936			1x40z														
18	KMO9-8-42	940			1x40z														
19	KMO9-8-39	945			1x40z														
20	KMO9-8-43	951			1x40z														

Comments/Special Instructions

0 = concrete dust

Relinquished by

Chlo Brown

Received by

Van

Relinquished by

Van

Received by

AM

Relinquished by

Received by

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

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Phone: (425) 883-3881 • Fax: (425) 885-4603

Chain of Custody

Page 3 of 5

Turnaround Request
(in working days)

Company: Aimec Geomatix

Project Number: 146097-000

Project Name: Kelly-Moore

Project Manager: L. Gray

Sampled by: C. Brown, E. Erickson

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)
TPH analysis 5 working days

☐ (other)

Laboratory Number: 08-230

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total FCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
21	KM09-8-44	8/31/09	5:57	0	1x462														
22	KM09-8-45	8/31/09	6:05	0	1x462														
23	KM09-8-46	8/31/09	6:10	0	1x462														
24	KM09-8H-Comp	8/31/09	6:15	0	1x802								X						
25	KM09-8-47	8/31/09	6:15	0	1x462														
26	KM09-8-48	8/31/09	6:28	0	1x462														
27	KM09-8-49	8/31/09	6:32	0	1x462														
28	KM09-8-50	8/31/09	6:38	0	1x462														
29	KM09-8-51	8/31/09	6:43	0	1x462														
30	KM09-8-52	8/31/09	6:47	0	1x462														

Comments/Special Instructions

O = concrete dust

Aimec Geomatix 8/31/09 1350

Speedy 8/31/09 1350

Speedy 8/31/09 1555

QBE 8/31/09 1555

Relinquished by

Chad Bear

Received by

Van

Relinquished by

Van

Received by

QBE

Relinquished by

Received by

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

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Laboratory Reference No.0909-003



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 9, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0909-003

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on September 1, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DeB", followed by a long horizontal flourish.

David Baumeister
Project Manager

Enclosures

Date of Report: September 9, 2009
Samples Submitted: September 1, 2009
Laboratory Reference: 0909-003
Project: 14697.000

Case Narrative

Samples were collected on August 31 and September 1, 2009, and received by the laboratory on September 1, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: September 9, 2009
 Samples Submitted: September 1, 2009
 Lab Traveler: 0909-003
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KM09-8K-Comp						
Laboratory ID:	09-003-02					
Aroclor 1016	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1221	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1232	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1242	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1248	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1254	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1260	ND	0.050	EPA 8082	9-4-09	9-8-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	80	33-122				
Client ID: KM09-8-78						
Laboratory ID:	09-003-12					
Aroclor 1016	ND	50	EPA 8082	9-4-09	9-9-09	U1
Aroclor 1221	ND	50	EPA 8082	9-4-09	9-9-09	U1
Aroclor 1232	ND	50	EPA 8082	9-4-09	9-9-09	U1
Aroclor 1242	ND	10	EPA 8082	9-4-09	9-9-09	
Aroclor 1248	ND	10	EPA 8082	9-4-09	9-9-09	
Aroclor 1254	16	10	EPA 8082	9-4-09	9-9-09	
Aroclor 1260	28	10	EPA 8082	9-4-09	9-9-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	---	33-122				S
Client ID: KM09-8-79						
Laboratory ID:	09-003-13					
Aroclor 1016	ND	10	EPA 8082	9-4-09	9-8-09	
Aroclor 1221	ND	10	EPA 8082	9-4-09	9-8-09	
Aroclor 1232	ND	10	EPA 8082	9-4-09	9-8-09	
Aroclor 1242	ND	10	EPA 8082	9-4-09	9-8-09	
Aroclor 1248	ND	10	EPA 8082	9-4-09	9-8-09	
Aroclor 1254	ND	10	EPA 8082	9-4-09	9-8-09	
Aroclor 1260	100	10	EPA 8082	9-4-09	9-8-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	---	33-122				S

Date of Report: September 9, 2009
 Samples Submitted: September 1, 2009
 Lab Traveler: 0909-003
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Solids
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0904S1					
Aroclor 1016	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1221	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1232	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1242	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1248	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1254	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1260	ND	0.050	EPA 8082	9-4-09	9-8-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	99	33-122				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags	
MATRIX SPIKES											
Laboratory ID:	09-003-16										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	13.0	14.5	0.500	0.500	14.4	NA	NA	24-125	11	18	A
Surrogate:											
DCB						---	---	33-122			S

SPIKE BLANKS

Laboratory ID:	SB0904S1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.393	0.411	0.500	0.500	N/A	79	82	58-122	4	14	
Surrogate:											
DCB						95	92	33-122			

Date of Report: September 9, 2009
 Samples Submitted: September 1, 2009
 Lab Traveler: 0909-003
 Project: 14697.000

PCBs by EPA 8082

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	EB-04-083109					
Laboratory ID:	09-003-11					
Aroclor 1016	ND	0.11	EPA 8082	9-3-09	9-3-09	
Aroclor 1221	ND	0.11	EPA 8082	9-3-09	9-3-09	
Aroclor 1232	ND	0.11	EPA 8082	9-3-09	9-3-09	
Aroclor 1242	ND	0.11	EPA 8082	9-3-09	9-3-09	
Aroclor 1248	ND	0.11	EPA 8082	9-3-09	9-3-09	
Aroclor 1254	ND	0.11	EPA 8082	9-3-09	9-3-09	
Aroclor 1260	ND	0.11	EPA 8082	9-3-09	9-3-09	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>109</i>	<i>39-128</i>				

Date of Report: September 9, 2009
 Samples Submitted: September 1, 2009
 Lab Traveler: 0909-003
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0903W1					
Aroclor 1016	ND	0.050	EPA 8082	9-3-09	9-3-09	
Aroclor 1221	ND	0.050	EPA 8082	9-3-09	9-3-09	
Aroclor 1232	ND	0.050	EPA 8082	9-3-09	9-3-09	
Aroclor 1242	ND	0.050	EPA 8082	9-3-09	9-3-09	
Aroclor 1248	ND	0.050	EPA 8082	9-3-09	9-3-09	
Aroclor 1254	ND	0.050	EPA 8082	9-3-09	9-3-09	
Aroclor 1260	ND	0.050	EPA 8082	9-3-09	9-3-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	87	39-128				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0903W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	0.489	0.479	0.500	0.500	N/A	98	96	58-113	2	11	
Surrogate:											
DCB						97	94	39-128			



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- Y - Sample extract treated with an acid/silica gel cleanup procedure.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference



Chain of Custody

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: AMEC Geomatrix

Project Number: 14697.00D

Project Name: Kelly Moore Phase II

Project Manager: Tasya Gray

Sampled by: CB and EE

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)
(TPH analysis 5 working days)

☐ (other)

Laboratory Number:

09-003

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total PCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
1	KM09-8-69	8/31/09	1:29pm	O	1														
2	KM09-8K-comp	8/31/09	1:29pm	O	1								X					Hold	
3	KM09-8-70	8/31/09	1:59pm	O	1														
4	KM09-8-71	8/31/09	2:05	O	1														
5	KM09-8-72	8/31/09	2:09	O	1														
6	KM09-8-73	8/31/09	2:12	O	1														
7	KM09-8-74	8/31/09	2:18	O	1														
8	KM09-8-75	8/31/09	2:22	O	1														
9	KM09-8-76	8/31/09	2:28	O	1														
10	KM09-8-77	8/31/09	2:33	O	1														

Comments/Special Instructions

O = Concrete powder

AMEC Geomatrix 9/1/09 1:15

088E 9/1/09 1315

Relinquished by Emerald Eubank

Received by (signature)

Relinquished by

Received by

Relinquished by

Received by

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

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Page 2 of 3

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: AMEC Geomatics

Project Number: 14697.000

Project Name: Kelly Moore ~~Phase I~~

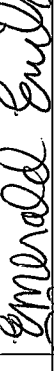
Project Manager: Tayla Gray

Sampled by: CD and EE

(Check One)

☐ Same Day	☐ 1 Day
☐ 2 Day	☐ 3 Day
☒ Standard (7 working days)	
(TPH analysis 5 working days)	
☐	(other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.
11	EB-04-083109	8/1/09	2:45	water	1
12	KM09-8-78	8/1/09	2:52	○	1
13	KM09-8-78	8/1/09	2:59	○	1
14	KM09-8-80	8/1/09	3:05	○	1
15	KM09-D-8	9/1/09	10:05	S	1
16	KM09-D-5	9/1/09	10:35	S	1
17	KM09-D-2	9/1/09	10:50	S	1
18	KM09-D-1	9/1/09	11:10	S	1
19	KM09-D-7	9/1/09	11:20	S	1
20	KM09-S-1	9/1/09	11:32	wipe	1

Signature	Company
Relinquished by 	Emerald Environmental AMC Geomatics
Received by 	AMC Geomatics
Relinquished by	
Received by	
Relinquished by	
Received by	

Laboratory Number:

[illegible]

Date	Time	Comments/Spec. Instructions
7/1/09	1:15	D = concrete/dirt powder
7/1/09	13:15	G = soil - solids
		10x10cm square for wipe

Chromatograms with final report ☐

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Laboratory Reference No. 0909-003B



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 9, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0909-003B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on September 1, 2009.

Please note that the Total Metals data will follow in the final report.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal line extending to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: September 9, 2009
Samples Submitted: September 1, 2009
Laboratory Reference: 0909-003B
Project: 14697.000

Case Narrative

Samples were collected on August 31 and September 1, 2009, and received by the laboratory on September 1, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: September 9, 2009
 Samples Submitted: September 1, 2009
 Lab Traveler: 0909-003B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-D-8					
Laboratory ID:	09-003-15					
Aroclor 1016	ND	0.050	EPA 8082	9-4-09	9-9-09	
Aroclor 1221	ND	0.050	EPA 8082	9-4-09	9-9-09	
Aroclor 1232	ND	0.050	EPA 8082	9-4-09	9-9-09	
Aroclor 1242	ND	0.050	EPA 8082	9-4-09	9-9-09	
Aroclor 1248	ND	0.050	EPA 8082	9-4-09	9-9-09	
Aroclor 1254	0.33	0.050	EPA 8082	9-4-09	9-9-09	
Aroclor 1260	0.40	0.050	EPA 8082	9-4-09	9-9-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	72	33-122				
Client ID:	KM09-D-5					
Laboratory ID:	09-003-16					
Aroclor 1016	ND	5.0	EPA 8082	9-4-09	9-8-09	
Aroclor 1221	ND	5.0	EPA 8082	9-4-09	9-8-09	
Aroclor 1232	ND	5.0	EPA 8082	9-4-09	9-8-09	
Aroclor 1242	ND	5.0	EPA 8082	9-4-09	9-8-09	
Aroclor 1248	ND	5.0	EPA 8082	9-4-09	9-8-09	
Aroclor 1254	17	5.0	EPA 8082	9-4-09	9-8-09	
Aroclor 1260	14	5.0	EPA 8082	9-4-09	9-8-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	---	33-122				
Client ID:	KM09-D-2					
Laboratory ID:	09-003-17					
Aroclor 1016	ND	0.050	EPA 8082	9-4-09	9-9-09	
Aroclor 1221	ND	0.050	EPA 8082	9-4-09	9-9-09	
Aroclor 1232	ND	0.050	EPA 8082	9-4-09	9-9-09	
Aroclor 1242	ND	0.050	EPA 8082	9-4-09	9-9-09	
Aroclor 1248	ND	0.050	EPA 8082	9-4-09	9-9-09	
Aroclor 1254	0.25	0.050	EPA 8082	9-4-09	9-9-09	
Aroclor 1260	0.32	0.050	EPA 8082	9-4-09	9-9-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	51	33-122				

Date of Report: September 9, 2009
 Samples Submitted: September 1, 2009
 Lab Traveler: 0909-003B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-D-1					
Laboratory ID:	09-003-18					
Aroclor 1016	ND	0.050	EPA 8082	9-4-09	1-0-00	
Aroclor 1221	ND	0.050	EPA 8082	9-4-09	1-0-00	
Aroclor 1232	ND	0.050	EPA 8082	9-4-09	1-0-00	
Aroclor 1242	ND	0.050	EPA 8082	9-4-09	1-0-00	
Aroclor 1248	ND	0.050	EPA 8082	9-4-09	1-0-00	
Aroclor 1254	0.18	0.050	EPA 8082	9-4-09	1-0-00	
Aroclor 1260	0.31	0.050	EPA 8082	9-4-09	1-0-00	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	61	33-122				
Client ID:	KM09-D-7					
Laboratory ID:	09-003-19					
Aroclor 1016	ND	1.0	EPA 8082	9-4-09	9-8-09	
Aroclor 1221	ND	1.0	EPA 8082	9-4-09	9-8-09	
Aroclor 1232	ND	1.0	EPA 8082	9-4-09	9-8-09	
Aroclor 1242	ND	1.0	EPA 8082	9-4-09	9-8-09	
Aroclor 1248	ND	1.0	EPA 8082	9-4-09	9-8-09	
Aroclor 1254	2.8	1.0	EPA 8082	9-4-09	9-8-09	
Aroclor 1260	1.6	1.0	EPA 8082	9-4-09	9-8-09	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
DCB	---	33-122				S

Date of Report: September 9, 2009
 Samples Submitted: September 1, 2009
 Lab Traveler: 0909-003B
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Solids
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0904S1					
Aroclor 1016	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1221	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1232	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1242	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1248	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1254	ND	0.050	EPA 8082	9-4-09	9-8-09	
Aroclor 1260	ND	0.050	EPA 8082	9-4-09	9-8-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	99	33-122				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	09-003-16										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	13.0	14.5	0.500	0.500	14.4	NA	NA	24-125	11	18	A
Surrogate:											
DCB						---	---	33-122			S



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- Y - Sample extract treated with an acid/silica gel cleanup procedure.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: _____

AMEC Geomatics

Project Number:

14697.00 D

Project Name:

Name: Kelly Moore Phase II

Project Manager:

Tasya Gray

Sampled by:

CB and EE

Environmental Inc.		Laboratory Number: 09-003																	
Company: AMCC Geomatrix		Requested Analysis																	
Project Number: 14697.00D																			
Project Name: Kelly Moore Pharett																			
Project Manager: Tasya Gray																			
Sampled by: CB and EE																			
Lab ID	Sample Identification	Date Sampled	Time Sampled	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total PCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture	
1	KM09-8-69	8/31/09	1:29pm	0	1														
2	KM09-8K-long	8/31/09	1:29pm	0	1							X							
3	KM09-8-70	8/31/09	1:59pm	0	1														
4	KM09-8-71	8/31/09	2:05	0	1														
5	KM09-8-72	8/31/09	2:09	0	1														
6	KM09-8-73	8/31/09	2:12	0	1														
7	KM09-8-74	8/31/09	2:18	0	1														
8	KM09-8-75	8/31/09	2:22	0	1														
9	KM09-8-76	8/31/09	2:28	0	1														
10	KM09-8-77	8/31/09	2:33	0	1														
Relinquished by		Signature: General Del Eulston		AMCC Geomatrix		Date: 9/1/09		Time: 1:15		Comments/Special Instructions: 0 = concrete powder									
Received by		Signature: [Signature]		CDE		Date: 9/1/09		Time: 1:15											
Relinquished by																			
Received by																			
Relinquished by																			
Received by																			
Reviewed by/Date																			



Chain of Custody

Environmental Inc.			Laboratory Number: 09-003		
Company: AMEC Geomatrix			Turnaround Request (in working days)		
Project Number: 14697.000			☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day		
Project Name: Kelly Moore Phase II			☒ Standard (7 working days) (TPH analysis 5 working days)		
Project Manager: Tanya Gray			☐ (other)		
Sampled by: CD and ECE					
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.
11	EB-04-083109	8/1/09	2:45	water	1
12	KMO9-8-78	8/1/09	2:52	O	1
13	KMO9-8-78	8/31/09	2:59	O	1
14	KMO9-8-80	8/31/09	3:05	O	1
15	KMO9-D-8	9/1/09	10:05	S	1
16	KMO9-D-5	9/1/09	10:35	S	1
17	KMO9-D-2	9/1/09	10:50	S	1
18	KMO9-D-1	9/1/09	11:10	S	1
19	KMO9-D-7	9/1/09	11:20	S	1
20	KMO9-S-1	9/1/09	11:32	wipe	1

Requested Analysis		Comments/Special Instructions	
NMTPH-HCID NMTPH-GX/BTEX NMTPH-DX Volatiles by 8260B Halogenated Volatiles by 8260B SemiVolatiles by 8270D PAHs by 8270D / SIM PCBs by 8082 Pesticides by 8081A Herbicides by 8151A Total RCRA Metals (8) TCLP Metals HEM by 1664 Total Metals (As, As ₂ , Ba, Cd, Cr, Pb, Se)	NOT COLLECTED 10x10cm	O = concrete/dirt powder S = soil - solids 10x10cm square for wipe	

Signature	Date	Time
Emerald Emulsion	9/1/09	1:15
CD	9/1/09	13:15
Received by		
Received by		
Received by		
Reviewed by/Date		

[illegible]

Laboratory Reference No. 0909-054



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 17, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0909-054

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on September 4, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', followed by a long horizontal flourish.

David Baumeister
Project Manager

Enclosures

Date of Report: September 17, 2009
Samples Submitted: September 4, 2009
Laboratory Reference: 0909-054
Project: 14697.000

Case Narrative

Samples were collected on September 4, 2009, and received by the laboratory on September 4, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

PCBs EPA 8082 Analysis

The surrogate recovery was outside of control limits on all samples. Because all other surrogate recoveries from the extraction batch were in control and this phenomenon was confined to this sample group, it is believed to be caused by matrix interference. Samples were re-analyzed with similar results.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Total Metals EPA 6010B/7471A (solid) Analysis

Due to the high concentrations of Lead and Mercury in the QC sample, the amount spiked was insufficient for meaningful MS/MSD recovery data. The Spike Blank recovery was 99% for Lead and 105% for Mercury.

The Matrix Spike/ Matrix Spike Duplicate recoveries for Barium and Selenium are outside control limits due to matrix interferences. The Spike Blank recoveries were 93% for Barium and 96% for Selenium.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: September 17, 2009
 Samples Submitted: September 4, 2009
 Lab Traveler: 0909-054
 Project: 14697.000

PCBs by EPA 8082

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KM09-D-4						
Laboratory ID: 09-054-01						
Aroclor 1016	ND	0.54	EPA 8082	9-12-09	9-15-09	
Aroclor 1221	ND	0.54	EPA 8082	9-12-09	9-15-09	
Aroclor 1232	ND	0.54	EPA 8082	9-12-09	9-15-09	
Aroclor 1242	ND	0.54	EPA 8082	9-12-09	9-15-09	
Aroclor 1248	ND	0.54	EPA 8082	9-12-09	9-15-09	
Aroclor 1254	0.58	0.54	EPA 8082	9-12-09	9-15-09	
Aroclor 1260	1.0	0.54	EPA 8082	9-12-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	155	33-122				Q
Client ID: KM09-D-3						
Laboratory ID: 09-054-02						
Aroclor 1016	ND	0.11	EPA 8082	9-12-09	9-15-09	
Aroclor 1221	ND	0.11	EPA 8082	9-12-09	9-15-09	
Aroclor 1232	ND	0.11	EPA 8082	9-12-09	9-15-09	
Aroclor 1242	ND	0.11	EPA 8082	9-12-09	9-15-09	
Aroclor 1248	ND	0.11	EPA 8082	9-12-09	9-15-09	
Aroclor 1254	1.7	0.11	EPA 8082	9-12-09	9-15-09	
Aroclor 1260	2.3	0.11	EPA 8082	9-12-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	128	33-122				Q
Client ID: KM09-D-10						
Laboratory ID: 09-054-03						
Aroclor 1016	ND	0.93	EPA 8082	9-12-09	9-15-09	
Aroclor 1221	ND	0.93	EPA 8082	9-12-09	9-15-09	
Aroclor 1232	ND	0.93	EPA 8082	9-12-09	9-15-09	
Aroclor 1242	ND	0.93	EPA 8082	9-12-09	9-15-09	
Aroclor 1248	ND	0.93	EPA 8082	9-12-09	9-15-09	
Aroclor 1254	14	0.93	EPA 8082	9-12-09	9-15-09	
Aroclor 1260	16	0.93	EPA 8082	9-12-09	9-15-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	154	33-122				Q

Date of Report: September 17, 2009
 Samples Submitted: September 4, 2009
 Lab Traveler: 0909-054
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0912S2					
Aroclor 1016	ND	0.050	EPA 8082	9-12-09	9-14-09	
Aroclor 1221	ND	0.050	EPA 8082	9-12-09	9-14-09	
Aroclor 1232	ND	0.050	EPA 8082	9-12-09	9-14-09	
Aroclor 1242	ND	0.050	EPA 8082	9-12-09	9-14-09	
Aroclor 1248	ND	0.050	EPA 8082	9-12-09	9-14-09	
Aroclor 1254	ND	0.050	EPA 8082	9-12-09	9-14-09	
Aroclor 1260	ND	0.050	EPA 8082	9-12-09	9-14-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	94	33-122				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES										
Laboratory ID:	09-091-08									
	MS	MSD	MS	MSD		MS	MSD			
Aroclor 1260	0.342	0.310	0.500	0.500	ND	68	62	24-125	10	18
Surrogate:										
DCB						91	84	33-122		

Date of Report: September 17, 2009
Samples Submitted: September 4, 2009
Laboratory Reference: 0909-054
Project: 14697.000

**TOTAL METALS
EPA 6010B/7471A**

Date Extracted: 9-9-09
Date Analyzed: 9-9&10-09

Matrix: Solid
Units: mg/kg (ppm)

Lab ID: 09-054-01
Client ID: **KM09-D-4**

Analyte	Method	Result	PQL
Arsenic	6010B	19	11
Barium	6010B	260	27
Cadmium	6010B	3.9	0.54
Chromium	6010B	400	0.54
Lead	6010B	640	5.4
Mercury	7471A	4.7	2.7
Selenium	6010B	ND	11
Silver	6010B	2.3	0.54

Date of Report: September 17, 2009
Samples Submitted: September 4, 2009
Laboratory Reference: 0909-054
Project: 14697.000

**TOTAL METALS
EPA 6010B/7471A**

Date Extracted: 9-9-09
Date Analyzed: 9-9&10-09

Matrix: Solid
Units: mg/kg (ppm)

Lab ID: 09-054-02
Client ID: **KM09-D-3**

Analyte	Method	Result	PQL
Arsenic	6010B	13	11
Barium	6010B	1400	53
Cadmium	6010B	17	2.1
Chromium	6010B	580	1.1
Lead	6010B	2300	11
Mercury	7471A	21	11
Selenium	6010B	ND	21
Silver	6010B	3.7	1.1

Date of Report: September 17, 2009
Samples Submitted: September 4, 2009
Laboratory Reference: 0909-054
Project: 14697.000

**TOTAL METALS
EPA 6010B/7471A**

Date Extracted: 9-9-09
Date Analyzed: 9-9&10-09

Matrix: Solid
Units: mg/kg (ppm)

Lab ID: 09-054-03
Client ID: **KM09-D-10**

Analyte	Method	Result	PQL
Arsenic	6010B	33	19
Barium	6010B	970	46
Cadmium	6010B	12	0.93
Chromium	6010B	260	0.93
Lead	6010B	2500	9.3
Mercury	7471A	19	9.3
Selenium	6010B	ND	19
Silver	6010B	2.0	0.93

Date of Report: September 17, 2009
Samples Submitted: September 4, 2009
Laboratory Reference: 0909-054
Project: 14697.000

**TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL**

Date Extracted: 9-9-09
Date Analyzed: 9-9&10-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0909S3&MB0909S4

Analyte	Method	Result	PQL
Arsenic	6010B	ND	5.0
Barium	6010B	ND	2.5
Cadmium	6010B	ND	0.50
Chromium	6010B	ND	0.50
Lead	6010B	ND	5.0
Mercury	7471A	ND	0.25
Selenium	6010B	ND	10
Silver	6010B	ND	0.50

Date of Report: September 17, 2009
 Samples Submitted: September 4, 2009
 Laboratory Reference: 0909-054
 Project: 14697.000

**TOTAL METALS
 EPA 6010B/7471A
 DUPLICATE QUALITY CONTROL**

Date Extracted: 9-9-09
 Date Analyzed: 9-9&10-09

 Matrix: Soil
 Units: mg/kg (ppm)

 Lab ID: 09-003-16

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	90.3	81.9	10	10	
Barium	298	281	6	25	
Cadmium	ND	ND	NA	1.0	
Chromium	147	147	0	5.0	
Lead	1480	1540	5	50	
Mercury	10.1	10.2	1	5.0	
Selenium	ND	ND	NA	10	
Silver	1.49	1.51	2	0.50	

Date of Report: September 17, 2009
 Samples Submitted: September 4, 2009
 Laboratory Reference: 0909-054
 Project: 14697.000

**TOTAL METALS
 EPA 6010B/7471A
 MS/MSD QUALITY CONTROL**

Date Extracted: 9-9-09
 Date Analyzed: 9-9&10-09

Matrix: Soil
 Units: mg/kg (ppm)

Lab ID: 09-003-16

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	167	76	169	79	2	
Barium	100	369	71	304	5	19	V
Cadmium	50	43.1	86	44.6	89	3	
Chromium	100	239	91	241	94	1	
Lead	250	1450	0	1680	83	15	A
Mercury	0.50	11.5	286	10.0	0	14	A
Selenium	100	68.5	68	81.0	81	17	V
Silver	25	21.2	79	22.6	84	6	

Date of Report: September 17, 2009
Samples Submitted: September 4, 2009
Laboratory Reference: 0909-054
Project: 14697.000

**TOTAL MERCURY
EPA 7471A**

Date Extracted: 9-9-09

Date Analyzed: 9-9-09

Matrix: Wipe

Units: ug/Wipe

Lab ID: 09-054-04

Client ID: **KM09-S-3**

Analyte	Method	Result	PQL
Mercury	7471A	1.9	0.50

Date of Report: September 17, 2009
Samples Submitted: September 4, 2009
Laboratory Reference: 0909-054
Project: 14697.000

**TOTAL MERCURY
EPA 7471A**

Date Extracted: 9-9-09

Date Analyzed: 9-9-09

Matrix: Wipe

Units: ug/Wipe

Lab ID: 09-054-05

Client ID: **KM09-S-4**

Analyte	Method	Result	PQL
Mercury	7471A	0.32	0.25

Date of Report: September 17, 2009
Samples Submitted: September 4, 2009
Laboratory Reference: 0909-054
Project: 14697.000

**TOTAL MERCURY
EPA 7471A
METHOD BLANK QUALITY CONTROL**

Date Extracted: 9-9-09

Date Analyzed: 9-9-09

Matrix: Wipe

Units: ug/Wipe

Lab ID: MB0909WP1

Analyte	Method	Result	PQL
Mercury	7471A	ND	0.25

Date of Report: September 17, 2009
Samples Submitted: September 4, 2009
Laboratory Reference: 0909-054
Project: 14697.000

**TOTAL MERCURY
EPA 7471A
SB/SBD QUALITY CONTROL**

Date Extracted: 9-9-09

Date Analyzed: 9-9-09

Matrix: Wipe

Units: ug/Wipe

Lab ID: SB0909WP1

Analyte	Spike Level	SB	Percent Recovery	SBD	Percent Recovery	RPD	Flags
Mercury	0.25	0.268	107	0.263	105	2	

Date of Report: September 17, 2009
Samples Submitted: September 4, 2009
Laboratory Reference: 0909-054
Project: 14697.000

% MOISTURE

Date Analyzed: 9-9-09

Client ID	Lab ID	% Moisture
KM09-D-4	09-054-01	7
KM09-D-3	09-054-02	53
KM09-D-10	09-054-03	46



Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference

Laboratory Reference No. 0909-167



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 24, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0909-167

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on September 17, 2009.

Please note that the data for the PCBs water analysis is *preliminary* pending re-analysis of the sample.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DeB" followed by a stylized flourish.

David Baumeister
Project Manager

Enclosures

Date of Report: September 24, 2009
Samples Submitted: September 17, 2009
Laboratory Reference: 0909-167
Project: 14697.000

Case Narrative

Samples were collected on September 17, 2009, and received by the laboratory on September 17, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

PCBs EPA 8082 (solids) Analysis

The surrogate recovery for the Method Blank (129%) and the sample KM09-7-48 (125%) was above the quality control limits of 33 – 122%. Since the sample was non-detect for PCBs and the surrogate recoveries showed high bias, no further action was performed.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: September 24, 2009
 Samples Submitted: September 17, 2009
 Lab Traveler: 0909-167
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-67					
Laboratory ID:	09-167-01					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1254	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-23-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	98	33-122				
Client ID:	KM09-6-68					
Laboratory ID:	09-167-02					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1254	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-23-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	118	33-122				
Client ID:	KM09-6-69					
Laboratory ID:	09-167-03					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1254	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-23-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	92	33-122				

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PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-70					
Laboratory ID:	09-167-04					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1254	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-23-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	102	33-122				
Client ID:	KM09-6-71					
Laboratory ID:	09-167-05					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1254	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-23-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	92	33-122				
Client ID:	KM09-6-72					
Laboratory ID:	09-167-06					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1254	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-23-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	96	33-122				

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PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-73					
Laboratory ID:	09-167-07					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1254	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-23-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	106	33-122				
Client ID:	KM09-6-74					
Laboratory ID:	09-167-08					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1254	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-23-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	99	33-122				
Client ID:	KM09-6-75					
Laboratory ID:	09-167-09					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1254	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-23-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	115	33-122				

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Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-76					
Laboratory ID:	09-167-10					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1254	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-23-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	112	33-122				
Client ID:	KM09-6-77					
Laboratory ID:	09-167-11					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1254	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-23-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	99	33-122				
Client ID:	KM09-6-78					
Laboratory ID:	09-167-12					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1254	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-23-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	108	33-122				

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PCBs by EPA 8082

Matrix: Concrete Dust/Wood Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-7-45					
Laboratory ID:	09-167-13					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1254	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-23-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	112	33-122				
Client ID:	KM09-7-48					
Laboratory ID:	09-167-17					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1254	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-24-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	125	33-122				
Client ID:	KM09-8-80					
Laboratory ID:	09-167-18					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1254	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-24-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	98	33-122				

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Matrix: Wood Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-8-81					
Laboratory ID:	09-167-19					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1242	0.60	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1254	4.3	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-24-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	108	33-122				
Client ID:	KM09-8-82					
Laboratory ID:	09-167-20					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1254	2.1	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-24-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	108	33-122				
Client ID:	KM09-8-83					
Laboratory ID:	09-167-22					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1254	1.7	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-24-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	104	33-122				

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PCBs by EPA 8082

Matrix: Wood Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-8-84					
Laboratory ID:	09-167-23					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1254	0.69	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-24-09	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	119	33-122				
Client ID:	KM09-8-85					
Laboratory ID:	09-167-24					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1254	ND	0.50	EPA 8082	9-23-09	9-24-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-24-09	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	100	33-122				

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**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Solids
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0923S1					
Aroclor 1016	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1221	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1232	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1242	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1248	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1254	ND	0.50	EPA 8082	9-23-09	9-23-09	
Aroclor 1260	ND	0.50	EPA 8082	9-23-09	9-23-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	129	33-122				Q

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	09-167-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	4.74	5.45	5.00	5.00	ND	95	109	24-125	14	18	
Surrogate:											
DCB						102	117	33-122			

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PCBs by EPA 8082

Matrix: Wipe
 Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-7-46					
Laboratory ID:	09-167-14					
Aroclor 1016	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1221	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1232	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1242	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1248	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1254	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1260	ND	2.0	EPA 8082	9-22-09	9-22-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	108	68-125				
Client ID:	KM09-7-47					
Laboratory ID:	09-167-15					
Aroclor 1016	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1221	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1232	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1242	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1248	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1254	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1260	ND	2.0	EPA 8082	9-22-09	9-22-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	108	68-125				
Client ID:	KM09-7-49					
Laboratory ID:	09-167-16					
Aroclor 1016	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1221	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1232	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1242	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1248	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1254	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1260	ND	2.0	EPA 8082	9-22-09	9-22-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	107	68-125				

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**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Wipe
 Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0922P1					
Aroclor 1016	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1221	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1232	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1242	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1248	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1254	ND	2.0	EPA 8082	9-22-09	9-22-09	
Aroclor 1260	ND	2.0	EPA 8082	9-22-09	9-22-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	102	68-125				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0922P1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	29.1	28.8	25.0	25.0	N/A	116	115	86-120	1	5	
Surrogate:											
DCB						104	107	68-125			

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PCBs by EPA 8082

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	EB09-05-091709					
Laboratory ID:	09-167-25					
Aroclor 1016	ND	0.051	EPA 8082	9-22-09	9-23-09	
Aroclor 1221	ND	0.051	EPA 8082	9-22-09	9-23-09	
Aroclor 1232	ND	0.051	EPA 8082	9-22-09	9-23-09	
Aroclor 1242	ND	0.051	EPA 8082	9-22-09	9-23-09	
Aroclor 1248	ND	0.051	EPA 8082	9-22-09	9-23-09	
Aroclor 1254	ND	0.051	EPA 8082	9-22-09	9-23-09	
Aroclor 1260	ND	0.051	EPA 8082	9-22-09	9-23-09	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>102</i>	<i>39-128</i>				

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**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0922W1					
Aroclor 1016	ND	0.050	EPA 8082	9-22-09	9-23-09	
Aroclor 1221	ND	0.050	EPA 8082	9-22-09	9-23-09	
Aroclor 1232	ND	0.050	EPA 8082	9-22-09	9-23-09	
Aroclor 1242	ND	0.050	EPA 8082	9-22-09	9-23-09	
Aroclor 1248	ND	0.050	EPA 8082	9-22-09	9-23-09	
Aroclor 1254	ND	0.050	EPA 8082	9-22-09	9-23-09	
Aroclor 1260	ND	0.050	EPA 8082	9-22-09	9-23-09	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>107</i>	<i>39-128</i>				



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- Y - Sample extract treated with an acid/silica gel cleanup procedure.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference



Phone: (425) 883-3881 • Fax: (425) 885-4603

Chain of Custody

Laboratory Number: **09-167**

Turnaround Request
(in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
☐ 2 Day ☒ 3 Day
☒ Standard (7 working days)
(TPH analysis 5 working days)

☐ (other)

Company: Ameex Geomatrix
Project Number: 14697.000
Project Name: Kelly Moose Paints
Project Manager: Tasuya Gray
Sampled by: Chris Brown, Emerald Erickson

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-GX/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total PCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
1	KM09-6-67	9/17/09	841	D	1x40z														
2	KM09-6-68		845	D	1x40z														
3	KM09-6-69		903	D	1x40z														
4	KM09-6-70		910	D	1x40z														
5	KM09-6-71		915	D	1x40z														
6	KM09-6-72		920	D	1x40z														
7	KM09-6-73		945	D	1x40z														
8	KM09-6-74		950	D	1x40z														
9	KM09-6-75		1000	D	1x40z														
10	KM09-6-76		1010	D	1x40z														
Relinquished by	<u>Chris Brown</u>	<u>Ameex GMX</u>	<u>9/17/09</u>	<u>1515</u>															
Received by	<u>Van Hock</u>	<u>Speedy</u>	<u>9/17/09</u>	<u>1515</u>															
Relinquished by	<u>Van Hock</u>	<u>Speedy</u>	<u>9/17/09</u>	<u>16:30</u>															
Received by	<u>Chris Brown</u>	<u>ASX</u>	<u>9/17/09</u>	<u>16:30</u>															
Relinquished by																			
Received by																			
Reviewed by/Date																			

Chromatograms with final report ☐

Chain of Custody



Company:

Final Geometry

Project Number:

4697000

Project Name:

Name: Kelly Moore Paints

Project Manager

Sampled by: T. Gray

Sampled by:
C. Brown.
E. Fickson

Turnaround Request
(in working days)

{Check One}

☐ Same Day ☐ 1 Day

☐ 2 Day ☒ 3 Day

~~Standard (7 working days)~~
(TPH analysis 5 working days)

(other)	
---------	--

Laboratory Number:

Requested Analysis

09-167

Project Number: 14697.000 Project Name: Kelly Moore Paints Project Manager: T. Gray Sampled by: C. Brown, F. Erickson		☐ Same Day ☐ 2 Day ☒ 1 Day Standard (7 working days) (TPH analysis 5 working days)		☐ (other)	
Relinquished by Received by Relinquished by Received by Relinquished by Received by	Signature Van Hockett Van Hockett Van Hockett Van Hockett Van Hockett Van Hockett	Company Amec GMX Sperry Sperry Sperry Sperry Sperry	Date 9/17/09 9/17/09 9/17/09 9/17/09 9/17/09 9/17/09	Time 1515 1515 16130 1630 1630 1630	Comments/Special Instructions Dw = wood dust/shavings

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Laboratory Reference No. 0910-011



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

October 5, 2009

AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0910-011

Dear Taysa:

Enclosed are the analytical results and associated quality control data for samples submitted on October 1, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal line extending to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: October 5, 2009
Samples Submitted: October 1, 2009
Laboratory Reference: 0910-011
Project: 14697

Case Narrative

Samples were collected on October 1, 2009, and received by the laboratory on October 1, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: October 5, 2009
 Samples Submitted: October 1, 2009
 Lab Traveler: 0910-011
 Project: 14697

PCBs by EPA 8082

Matrix: Wipe
 Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KMI-PLATE 3						
Laboratory ID:	10-011-03					
Aroclor 1016	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1221	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1232	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1242	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1248	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1254	2.7	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1260	ND	2.0	EPA 8082	10-2-09	10-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	101	68-125				
Client ID: KMI-PLATE 4						
Laboratory ID:	10-011-04					
Aroclor 1016	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1221	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1232	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1242	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1248	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1254	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1260	ND	2.0	EPA 8082	10-2-09	10-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	99	68-125				
Client ID: KMI-PLATE 5						
Laboratory ID:	10-011-05					
Aroclor 1016	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1221	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1232	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1242	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1248	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1254	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1260	ND	2.0	EPA 8082	10-2-09	10-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	105	68-125				

Date of Report: October 5, 2009
 Samples Submitted: October 1, 2009
 Lab Traveler: 0910-011
 Project: 14697

PCBs by EPA 8082

Matrix: Wipe
 Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KMI-PLATE 6					
Laboratory ID:	10-011-06					
Aroclor 1016	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1221	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1232	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1242	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1248	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1254	2.8	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1260	ND	2.0	EPA 8082	10-2-09	10-2-09	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>104</i>	<i>68-125</i>				

Date of Report: October 5, 2009
 Samples Submitted: October 1, 2009
 Lab Traveler: 0910-011
 Project: 14697

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Wipe
 Units: ug/100cm2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1002P1					
Aroclor 1016	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1221	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1232	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1242	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1248	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1254	ND	2.0	EPA 8082	10-2-09	10-2-09	
Aroclor 1260	ND	2.0	EPA 8082	10-2-09	10-2-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	105	68-125				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1002P1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	23.2	22.7	20.0	20.0	N/A	116	114	86-120	2	5	
Surrogate:											
DCB						99	105	68-125			

Date of Report: October 5, 2009
Samples Submitted: October 1, 2009
Laboratory Reference: 0910-011
Project: 14697

**TOTAL METALS
EPA 6010B/7471A**

Date Extracted: 10-2-09
Date Analyzed: 10-2-09

Matrix: Wipe
Units: ug/Wipe

Lab ID: 10-011-01
Client ID: **KMI-PLATE 1**

Analyte	Method	Result	PQL
Arsenic	6010B	ND	10
Barium	6010B	32	2.5
Cadmium	6010B	ND	0.50
Chromium	6010B	14	0.50
Lead	6010B	180	5.0
Mercury	7471A	1.1	1.0
Selenium	6010B	ND	10
Silver	6010B	ND	0.50

Date of Report: October 5, 2009
Samples Submitted: October 1, 2009
Laboratory Reference: 0910-011
Project: 14697

**TOTAL METALS
EPA 6010B/7471A**

Date Extracted: 10-2-09
Date Analyzed: 10-2-09

Matrix: Wipe
Units: ug/Wipe

Lab ID: 10-011-02
Client ID: **KMI-PLATE 2**

Analyte	Method	Result	PQL
Arsenic	6010B	ND	10
Barium	6010B	240	2.5
Cadmium	6010B	ND	0.50
Chromium	6010B	22	0.50
Lead	6010B	260	5.0
Mercury	7471A	2.8	1.0
Selenium	6010B	ND	10
Silver	6010B	1.2	0.50

Date of Report: October 5, 2009
Samples Submitted: October 1, 2009
Laboratory Reference: 0910-011
Project: 14697

**TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL**

Date Extracted: 10-2-09
Date Analyzed: 10-2-09

Matrix: Wipe
Units: ug/Wipe

Lab ID: MB1002WP1&MB1002WP2

Analyte	Method	Result	PQL
Arsenic	6010B	ND	10
Barium	6010B	ND	2.5
Cadmium	6010B	ND	0.50
Chromium	6010B	ND	0.50
Lead	6010B	ND	5.0
Mercury	7471A	ND	0.10
Selenium	6010B	ND	10
Silver	6010B	ND	0.50

Date of Report: October 5, 2009
 Samples Submitted: October 1, 2009
 Laboratory Reference: 0910-011
 Project: 14697

**TOTAL METALS
 EPA 6010B/7471A
 SB/SBD QUALITY CONTROL**

Date Extracted: 10-2-09

Date Analyzed: 10-2-09

Matrix: Wipe
 Units: ug/Wipe

Lab ID: SB1002WP1&SB1002WP2

Analyte	Spike Level	SB	Percent Recovery	SBD	Percent Recovery	RPD	Flags
Arsenic	200	185	92	192	96	4	
Barium	100	99.5	100	103	103	3	
Cadmium	100	98.5	98	101	101	3	
Chromium	200	192	96	198	99	3	
Lead	500	465	93	479	96	3	
Mercury	0.25	0.247	99	0.256	102	4	
Selenium	200	178	89	191	95	7	
Silver	50	49.6	99	51.1	102	3	



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- Y - Sample extract treated with an acid/silica gel cleanup procedure.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference

Chain of Custody

Company: AMEC Geomatrix Project Number: 14697 Project Name: Kenny Moore Project Manager: T. Gray Sampled by: KA		Turnaround Request (in working days) ☐ Same Day ☐ 1 Day ☒ 2 Day ☐ 3 Day ☐ Standard (7 working days) (TPH analysis 5 working days) ☐ (other)		Laboratory Number: 10-011										Requested Analysis																																																																	
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture																																																												
1	KMI- PLATE 1	10/1/09		WIRE	2											X																																																															
2	KMI- PLATE 2	10/1/09		WIRE	2											X																																																															
3	KMI- PLATE 3	10/1/09		WIRE	1								X																																																																		
4	KMI- PLATE 4	10/1/09		WIRE	1								X																																																																		
5	KMI- PLATE 5	10/1/09		WIRE	1								X																																																																		
6	KMI- PLATE 6	10/1/09		WIRE	1								X																																																																		
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Signature</th> <th>Company</th> <th>Date</th> <th>Time</th> <th>Comments/Special Instructions</th> </tr> <tr> <td></td> <td>MEGUM</td> <td>10-1-09</td> <td>152</td> <td></td> </tr> <tr> <td></td> <td>Specimen Manager</td> <td>10/1/09</td> <td>1:53</td> <td></td> </tr> <tr> <td></td> <td>Specimen Manager</td> <td>10/1/09</td> <td>2:42</td> <td></td> </tr> <tr> <td></td> <td>Specimen Manager</td> <td>10/1/09</td> <td>1:44Z</td> <td></td> </tr> <tr> <td>Relinquished by</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Received by</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Relinquished by</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Received by</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Relinquished by</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Received by</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Reviewed by/Date</td> <td></td> <td></td> <td></td> <td>Chromatograms with final report ☐</td> </tr> </table>																				Signature	Company	Date	Time	Comments/Special Instructions		MEGUM	10-1-09	152			Specimen Manager	10/1/09	1:53			Specimen Manager	10/1/09	2:42			Specimen Manager	10/1/09	1:44Z		Relinquished by					Received by					Relinquished by					Received by					Relinquished by					Received by					Reviewed by/Date				Chromatograms with final report ☐
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Laboratory Reference No. 0910-218



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 6, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0910-218

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on October 28, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', followed by a long horizontal flourish.

David Baumeister
Project Manager

Enclosures

Date of Report: November 6, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-218
Project: 14697.000

Case Narrative

Samples were collected on October 27, 2009, and received by the laboratory on October 28, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

PCBs EPA 8082 Analysis

Sample 10-249-10 was used as the MS/MSD. Due to sample inhomogeneity, the spike recovery of Aroclor 1260 in the MS (147%) was above quality control limits of 24-125%. Since the RPD all other QC associated with this sample batch were within limits, no further action was performed.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: November 6, 2009
 Samples Submitted: October 28, 2009
 Lab Traveler: 0910-218
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KM09-7F-COMP						
Laboratory ID:	10-218-01					
Aroclor 1016	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1221	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1232	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1242	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1248	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1254	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1260	ND	0.20	EPA 8082	11-3-09	11-3-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	98	33-122				
Client ID: KM09-6M-COMP						
Laboratory ID:	10-218-06					
Aroclor 1016	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1221	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1232	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1242	0.26	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1248	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1254	1.6	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1260	1.4	0.20	EPA 8082	11-3-09	11-3-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	102	33-122				
Client ID: KM09-6L-COMP						
Laboratory ID:	10-218-11					
Aroclor 1016	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1221	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1232	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1242	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1248	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1254	0.27	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1260	0.23	0.20	EPA 8082	11-3-09	11-3-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	100	33-122				

Date of Report: November 6, 2009
 Samples Submitted: October 28, 2009
 Lab Traveler: 0910-218
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1103S1					
Aroclor 1016	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1221	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1232	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1242	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1248	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1254	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1260	ND	0.20	EPA 8082	11-3-09	11-3-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	95	33-122				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-249-10										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	1.59	1.42	0.500	0.500	0.855	147	113	24-125	11	18	I
Surrogate:											
DCB						104	102	33-122			

Date of Report: November 6, 2009
 Samples Submitted: October 28, 2009
 Lab Traveler: 0910-218
 Project: 14697.000

PCBs by EPA 8082

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	EB06-102709					
Laboratory ID:	10-218-16					
Aroclor 1016	ND	0.049	EPA 8082	11-1-09	11-1-09	
Aroclor 1221	ND	0.049	EPA 8082	11-1-09	11-1-09	
Aroclor 1232	ND	0.049	EPA 8082	11-1-09	11-1-09	
Aroclor 1242	ND	0.049	EPA 8082	11-1-09	11-1-09	
Aroclor 1248	ND	0.049	EPA 8082	11-1-09	11-1-09	
Aroclor 1254	ND	0.049	EPA 8082	11-1-09	11-1-09	
Aroclor 1260	ND	0.049	EPA 8082	11-1-09	11-1-09	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>94</i>	<i>39-128</i>				

Date of Report: November 6, 2009
 Samples Submitted: October 28, 2009
 Lab Traveler: 0910-218
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1101W1					
Aroclor 1016	ND	0.050	EPA 8082	11-1-09	11-1-09	
Aroclor 1221	ND	0.050	EPA 8082	11-1-09	11-1-09	
Aroclor 1232	ND	0.050	EPA 8082	11-1-09	11-1-09	
Aroclor 1242	ND	0.050	EPA 8082	11-1-09	11-1-09	
Aroclor 1248	ND	0.050	EPA 8082	11-1-09	11-1-09	
Aroclor 1254	ND	0.050	EPA 8082	11-1-09	11-1-09	
Aroclor 1260	ND	0.050	EPA 8082	11-1-09	11-1-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	93	39-128				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1101W1									
	SB	SBD	SB	SBD		SB	SBD			
Aroclor 1260	0.482	0.504	0.500	0.500	N/A	96	101	58-113	4	11
Surrogate:										
DCB						87	90	39-128		



Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

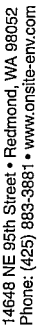
Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference



DATE RECEIVED: WHITE - OFFICE COPY
YELLOW - CLIENT COPY



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14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Laboratory Number: **10-218**

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Day ☐ 3 Day
☒ Standard (7 working days)
(TPH analysis 5 working days)
☐ (other)

Company: Avec GMX
Project Number: 14697,000
Project Name: Kelly Moore Brints
Project Manager: Lisa G. Gray
Sample by: Chris Brown

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-GX/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
11	KM09-6L-Comp	10/27/09	1200	D	1								X						
12	KM09-6-73		1200	D	1														
13	KM09-6-74		1204	D	1														
14	KM09-6-75		1208	D	1														
15	KM09-6-76		1214	D	1														
16	EB06-102709		1405	D ^W 2	2								X						

Relinquished by	<u>Chris Brown</u>	Signature	Company	<u>Avec GMX</u>	Date	<u>10/28/09</u>	Time	<u>11:22</u>	Comments/Special Instructions: <u>D=concrete dust</u>
Received by	<u>[Signature]</u>		<u>Spud7</u>		<u>10/28/09</u>	<u>11:22</u>			
Relinquished by	<u>[Signature]</u>		<u>Spud7</u>		<u>10/28/09</u>	<u>11:56</u>			
Received by	<u>[Signature]</u>		<u>GBE</u>		<u>10/28/09</u>	<u>11:56</u>			
Relinquished by									
Received by									
Reviewed by/Date									Chromatograms with final report ☐

Laboratory Reference No. 0910-218B



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 18, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0910-218B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on October 28, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: November 18, 2009
Samples Submitted: October 28, 2009
Laboratory Reference: 0910-218B
Project: 14697.000

Case Narrative

Samples were collected on October 27, 2009, and received by the laboratory on October 28, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: November 18, 2009
 Samples Submitted: October 28, 2009
 Lab Traveler: 0910-218B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-80					
Laboratory ID:	10-218-07					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-18-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	94	33-122				
Client ID:	KM09-6-77					
Laboratory ID:	10-218-08					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-18-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	87	33-122				
Client ID:	KM09-6-78					
Laboratory ID:	10-218-09					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-17-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	78	33-122				

Date of Report: November 18, 2009
 Samples Submitted: October 28, 2009
 Lab Traveler: 0910-218B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-79					
Laboratory ID:	10-218-10					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1254	1.1	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1260	0.79	0.50	EPA 8082	11-17-09	11-17-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	78	33-122				
Client ID:	KM09-6-73					
Laboratory ID:	10-218-12					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-17-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	81	33-122				
Client ID:	KM09-6-74					
Laboratory ID:	10-218-13					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-17-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	79	33-122				

Date of Report: November 18, 2009
 Samples Submitted: October 28, 2009
 Lab Traveler: 0910-218B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-75					
Laboratory ID:	10-218-14					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-17-09	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>80</i>	<i>33-122</i>				
Client ID:	KM09-6-76					
Laboratory ID:	10-218-15					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-17-09	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>93</i>	<i>33-122</i>				

Date of Report: November 18, 2009
 Samples Submitted: October 28, 2009
 Lab Traveler: 0910-218B
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Solid
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1117S1					
Aroclor 1016	ND	0.050	EPA 8082	11-17-09	11-18-09	
Aroclor 1221	ND	0.050	EPA 8082	11-17-09	11-18-09	
Aroclor 1232	ND	0.050	EPA 8082	11-17-09	11-18-09	
Aroclor 1242	ND	0.050	EPA 8082	11-17-09	11-18-09	
Aroclor 1248	ND	0.050	EPA 8082	11-17-09	11-18-09	
Aroclor 1254	ND	0.050	EPA 8082	11-17-09	11-18-09	
Aroclor 1260	ND	0.050	EPA 8082	11-17-09	11-18-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	101	33-122				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES										
Laboratory ID:	11-064-01									
	MS	MSD	MS	MSD		MS	MSD			
Aroclor 1260	0.471	0.418	0.500	0.500	ND	94	84	24-125	12	18
Surrogate:										
DCB						90	87	33-122		



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- Y - Sample extract treated with an acid/silica gel cleanup procedure.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference

Chain of Custody

Turnaround Request (in working days)		Laboratory Number: 10-218																	
(Check One) ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☒ Standard (7 working days) (TPH analysis 5 working days) ☐ (other)																			
Company: Amec GMX Project Number: 14697.000 Project Name: Kelly Moose Paints Project Manager: Teresa Gray Sampled by: Chris Brown																			
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-GX/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture
1	KM09-7F-Comp	10/28/09	921	D	1														
2	KM09-7-49	921	D	1															
3	KM09-7-50	927	D	1															
4	KM09-7-51	931	D	1															
5	KM09-7-52	935	D	1															
6	KM09-6M-Comp	1055	D	1															
7	KM09-6-7680 DB	1055	D	1															
8	KM09-6-77	1059	D	1															
9	KM09-6-78	1103	D	1															
10	KM09-6-79	1107	D	1															
Relinquished by		Signature: <i>Chris Brown</i>		Company: Amec GMX		Date: 10/28/09		Time: 11:22		Comments/Special Instructions: D = Concrete dust									
Received by		Signature: <i>[Signature]</i>		Company: Sperry		Date: 10/28/09		Time: 11:22		⊗ Added 11/10/09 DB									
Relinquished by		Signature: <i>[Signature]</i>		Company: Sperry		Date: 10/28/09		Time: 11:56											
Received by		Signature: <i>[Signature]</i>		Company: DBI		Date: 10/28/09		Time: 11:56											
Relinquished by																			
Received by																			
Reviewed by/Date										Chromatograms with final report ☐									



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Chain of Custody

Page 2 of 2

Laboratory Number: **10-218**

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)
(TPH analysis 5 working days)

☐ (other) _____

Company: AmeC GMX

Project Number: 14697.000

Project Name: Kelly Moore Brints

Project Manager: Lacya Gray

Sampled by: Chris Brown

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.
11	KM09-6L-Comp	10/27/09	1200	D	1
12	KM09-6-73	↓	1200	D	1
13	KM09-6-74	↓	1204	D	1
14	KM09-6-75	↓	1208	D	1
15	KM09-6-76	↓	1214	D	1
16	FB06-102709	↓	1405	D ^{W/2}	2

Chris Brown

Signature	Company	Date	Time	Comments/Special Instructions
<u>Chris Brown</u>	AmeC GMX	10/28/09	11:22	D=concrete dust
<u>[Signature]</u>	Specdy	10/28/09	11:22	Added 11/10/09.PB
<u>[Signature]</u>	Specdy	10/28/09	11:56	
<u>[Signature]</u>	OSCE	10/28/09	11:56	
Relinquished by				
Received by				
Relinquished by				
Received by				
Relinquished by				
Received by				
Reviewed by/Date				Chromatograms with final report ☐

Laboratory Reference No. 0910-249



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 6, 2009

Charles Dowman
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0910-249

Dear Charles:

Enclosed are the analytical results and associated quality control data for samples submitted on October 30, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', followed by a horizontal line.

David Baumeister
Project Manager

Enclosures

Date of Report: November 6, 2009
Samples Submitted: October 30, 2009
Laboratory Reference: 0910-249
Project: 14697.000

Case Narrative

Samples were collected on October 30, 2009, and received by the laboratory on October 30, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

PCBs EPA 8082 Analysis

Sample KM09-6K-COMP was used as the MS/MSD. Due to sample inhomogeneity, the spike recovery of Aroclor 1260 in the MS (147%) was above quality control limits of 24-125%. Since the RPD all other QC associated with this sample batch were within limits, no further action was performed.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: November 6, 2009
 Samples Submitted: October 30, 2009
 Lab Traveler: 0910-249
 Project: 14697.000

PCBs by EPA 8082

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: KM09-6J-COMP						
Laboratory ID:	10-249-02					
Aroclor 1016	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1221	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1232	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1242	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1248	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1254	0.88	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1260	1.3	0.20	EPA 8082	11-3-09	11-3-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	103	33-122				
Client ID: KM09-6K-COMP						
Laboratory ID:	10-249-10					
Aroclor 1016	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1221	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1232	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1242	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1248	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1254	0.23	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1260	0.86	0.20	EPA 8082	11-3-09	11-3-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	103	33-122				

Date of Report: November 6, 2009
 Samples Submitted: October 30, 2009
 Lab Traveler: 0910-249
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1103S1					
Aroclor 1016	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1221	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1232	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1242	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1248	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1254	ND	0.20	EPA 8082	11-3-09	11-3-09	
Aroclor 1260	ND	0.20	EPA 8082	11-3-09	11-3-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	95	33-122				

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		RPD	Flags
					Result	Recovery	Limits			Limit	
MATRIX SPIKES											
Laboratory ID:	10-249-10										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	1.59	1.42	0.500	0.500	0.855	147	113	24-125	11	18	I
Surrogate:											
DCB						104	102	33-122			



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- Y - Sample extract treated with an acid/silica gel cleanup procedure.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference

Chain of Custody

10-249

Laboratory Number:

Turnaround Request (In working days)		Requested Analysis																		
(Check One)																				
☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☒ Standard (7 working days) (TPH analysis 5 working days)																				
☐ (other)																				
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-GX/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	% Moisture	
1	KM09-6-81	10/30/09	0855	Dirt	1									X						
2	KM09-6J-COMP	10/30/09	0856	Dirt	1									X						
3	KM09-6-82	10/30/09	0903	Dirt	1									X						
4	KM09-6-DUP	10/30/09	1005	Dirt	1									X						
5	KM09-6-83	10/30/09	0914	Dirt	1									X						
6	KM09-6-84	10/30/09	0921	Dirt	1									X						
7	KM09-6-85	10/30/09	0930	Dirt	1									X						
8	KM09-6-86	10/30/09	0936	Dirt	1									X						
9	KM09-6-87	10/30/09	0946	Dirt	1									X						
10	KM09-6K-COMP	10/30/09	0946	Dirt	1									X						

Signature	Company	Date	Time	Comments/Special Instructions
<i>C.D. Downman</i>	AmeG Geomatrix	10/30/09	1300	
<i>Mr. ORE</i>		10/30/09	1300	

Reviewed by/Date	Chromatograms with final report ☐



Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company:

Amec Geomatrix

Project Number:

14697.000

Project Name:

Kelly-Moore

Project Manager:

CIDGWMAN

Sampled by:

by: C. Downman

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)
(TPH analysis 5 working days)

(other)

Laboratory Number:

Requested Analysis

Page of

2 of 2

10-249

Company: Amec Geomatix		(Check One)			
Project Number: 14697.000		☐ Same Day	☐ 1 Day		
Project Name: Kelly-Moore		☐ 2 Day	☐ 3 Day		
Project Manager: C. Downman		☒ Standard (7 working days) (TPH analysis 5 working days)			
Sampled by: C. Downman		☐ (other)			
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.
11	KM09-6-88	10/30/09	0954	Dust	1
12	KM09-6-89	10/30/09	1006	Dust	1
13	KM09-6-90	10/30/09	1014	Dust	1
14	KM09-6-91	10/30/09	1027	Dust	1
15	KM09-6-92	10/30/09	1033	Dust	1
Signature: C. Downman		Company: Amec Geomatix		Date: 10/30/09	Time: 1130
Relinquished by				Date: 10/30/09	Time: 1300
Received by					
Relinquished by					
Received by					
Relinquished by					
Received by					
Reviewed by/Date		Reviewed by/Date		Chromatograms with final report ☐	

Requested Analysis													Comments/Special Instructions												
NWTPH-HCID													NWTPH-Gx/BTEX												
NWTPH-Dx													Volatiles by 8260B												
Halogenated Volatiles by 8260B													SemiVolatiles by 8270D												
PAHs by 8270D / SIM													PCBs by 8082												
Pesticides by 8081A													Herbicides by 8151A												
Total RCRA Metals (8)													TCLP Metals												
HEM by 1664													HOLD												
% Moisture																									

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Laboratory Reference No. 0910-249B



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 18, 2009

Charles Dowman
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0910-249B

Dear Charles:

Enclosed are the analytical results and associated quality control data for samples submitted on October 30, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", followed by a long horizontal stroke that extends to the right.

David Baumeister
Project Manager

Enclosures

Date of Report: November 18, 2009
Samples Submitted: October 30, 2009
Laboratory Reference: 0910-249B
Project: 14697.000

Case Narrative

Samples were collected on October 30, 2009, and received by the laboratory on October 30, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: November 18, 2009
 Samples Submitted: October 30, 2009
 Lab Traveler: 0910-249B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-81					
Laboratory ID:	10-249-01					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-17-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	94	33-122				
Client ID:	KM09-6-82					
Laboratory ID:	10-249-03					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-17-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	98	33-122				
Client ID:	KM09-6-DUP					
Laboratory ID:	10-249-04					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-17-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	94	33-122				

Date of Report: November 18, 2009
 Samples Submitted: October 30, 2009
 Lab Traveler: 0910-249B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-83					
Laboratory ID:	10-249-05					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-17-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	91	33-122				
Client ID:	KM09-6-84					
Laboratory ID:	10-249-06					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1254	1.6	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1260	2.6	0.50	EPA 8082	11-17-09	11-17-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	78	33-122				
Client ID:	KM09-6-85					
Laboratory ID:	10-249-07					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-17-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	73	33-122				

Date of Report: November 18, 2009
 Samples Submitted: October 30, 2009
 Lab Traveler: 0910-249B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-86					
Laboratory ID:	10-249-08					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-17-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	92	33-122				
Client ID:	KM09-6-87					
Laboratory ID:	10-249-09					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1254	0.58	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-17-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	84	33-122				
Client ID:	KM09-6-88					
Laboratory ID:	10-249-11					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-17-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-17-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	98	33-122				

Date of Report: November 18, 2009
 Samples Submitted: October 30, 2009
 Lab Traveler: 0910-249B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-89					
Laboratory ID:	10-249-12					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-18-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	93	33-122				
Client ID:	KM09-6-90					
Laboratory ID:	10-249-13					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1260	2.8	0.50	EPA 8082	11-17-09	11-18-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	89	33-122				
Client ID:	KM09-6-91					
Laboratory ID:	10-249-14					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-18-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	98	33-122				

Date of Report: November 18, 2009
 Samples Submitted: October 30, 2009
 Lab Traveler: 0910-249B
 Project: 14697.000

PCBs by EPA 8082

Matrix: Concrete Dust
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	KM09-6-92					
Laboratory ID:	10-249-15					
Aroclor 1016	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1221	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1232	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1242	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1248	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1254	ND	0.50	EPA 8082	11-17-09	11-18-09	
Aroclor 1260	ND	0.50	EPA 8082	11-17-09	11-18-09	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>100</i>	<i>33-122</i>				

Date of Report: November 18, 2009
 Samples Submitted: October 30, 2009
 Lab Traveler: 0910-249B
 Project: 14697.000

**PCBs by EPA 8082
 QUALITY CONTROL**

Matrix: Solids
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1117S2					
Aroclor 1016	ND	0.050	EPA 8082	11-17-09	11-17-09	
Aroclor 1221	ND	0.050	EPA 8082	11-17-09	11-17-09	
Aroclor 1232	ND	0.050	EPA 8082	11-17-09	11-17-09	
Aroclor 1242	ND	0.050	EPA 8082	11-17-09	11-17-09	
Aroclor 1248	ND	0.050	EPA 8082	11-17-09	11-17-09	
Aroclor 1254	ND	0.050	EPA 8082	11-17-09	11-17-09	
Aroclor 1260	ND	0.050	EPA 8082	11-17-09	11-17-09	
Surrogate:	Percent Recovery	Control Limits				
DCB	94	33-122				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	11-102-03										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.326	0.349	0.500	0.500	ND	65	70	24-125	7	18	
Surrogate:											
DCB						68	72	33-122			



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- Y - Sample extract treated with an acid/silica gel cleanup procedure.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference



OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Page 1 of 2

Laboratory Number: **10-249**

Company: Amer Geomatrix

Project Number: 14697.000

Project Name: Kelly Moore

Project Manager: C. Dowman

Sampled by: C. Dowman

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Day ☐ 3 Day
☒ Standard (7 working days)
(TPH analysis 5 working days)
☐ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analysis																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Signature		Company	Date	Time	Comments/Special Instructions									
Relinquished by	<u>C. Dowman</u>	<u>Amer Geomatrix</u>	<u>10/30/09</u>	<u>150</u>	<u>Added 11/11/09 - DP</u>									
Received by	<u>Me</u>	<u>OSE</u>	<u>10/30/09</u>	<u>1300</u>										
Relinquished by														
Received by														
Relinquished by														
Received by														
Reviewed by/Date					Chromatograms with final report ☐									

APPENDIX C

Waste Disposal Records

Please print or type. (Form designed for use on 8 1/2 x 11 inch typewriter)

09111014787

3628K

8000th

10 of 15

Form Approved, OMS No. 2050-1039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number: WAD059315069	2. Page 1 of 1	3. Emergency Response Phone (108) 841-6337	4. Manifest Tracking Number 002068550 FLE	
5. Generator's Name and Mailing Address Kelly Moore Paint 5400 Airport Way S. Seattle, WA 98108 (206) 676-3484						
Generator's Site Address (if different than mailing address)						
6. Transporter 1 Company Name MP Environmental			U.S. EPA ID Number CAT000624247			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address US Ecology 10.5 miles NW Hwy 78 Lemley Rd Granville, ID 83424 Facility's Phone: (208) 274-1516						
U.S. EPA ID Number ID0076114654						
9a. HAZ	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. UN2811 Waste Environmentally Hazardous Substances, Solid, D.D.S. (Polychlorinated Biphenyls, Barium, Cadmium, Chromium, Lead, Mercury) A, P, III	1	CM	3800	K6	D005 D006 D007 D008 D009 D011
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information 23013-0 ER6 #171 Steel tank, Vent, Stock and Plates						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: (I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are qualified, packaged, marked and labeled/packaged, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste management system is identified in 40 CFR 262.27(a) (I am a large quantity generator) or (b) (I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name Robert Jones						
Signature <i>Robert Jones</i>						
Month Day Year 11 9 09						
16. International Shipment ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Ed Bremel						
Signature <i>Ed Bremel</i>						
Month Day Year 11 9 09						
Transporter 2 Printed/Typed Name						
Signature						
Month Day Year						
18. Discrepancy						
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection						
8. Clarify 10007314654 per Lindsey my via email 11/10/09						
18b. Alternate Facility (for Generator)						
U.S. EPA ID Number						
Facility's Phone						
18c. Signature of Alternate Facility (for Generator)						
Month Day Year						
19. Hazardous Waste Receipt Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. P132						
2.						
3.						
4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted within 18a						
Printed/Typed Name Dana McCarty Jones						
Signature <i>Dana McCarty Jones</i>						
Month Day Year 11 10 09						

CERTIFICATE OF DISPOSAL

December 14, 2009

KELLY MOORE PAINTS
5400 AIRPORT WAY SOUTH
SEATTLE, WA 98108

This is to certify that waste as defined on Uniform Hazardous Waste Manifest number 002068550 FLE/ was received by U.S. Ecology, Inc., on 11/10/2009. The waste(s) were subsequently treated, if required by 40 CFR Part 268 and U.S. Ecology's permits and disposed of by 11/10/2009 in accordance with permits and laws regulating this facility.

Reference Number: 09111016787-002068550 FLE-1-1

Material: 1 ROLL-OFF

Process: Encapsulation

Facility: U.S. ECOLOGY IDAHO, INC.
20400 LEMLEY ROAD
GRAND VIEW, ID 83624
EPA ID: IDD073114654

Waste Type: RCRA HAZARDOUS WASTE

Customer: RINECO CHEMICAL

Printed Name: DONNA PULLEN

Signature: Donna Pullen

Title: RECEIVING SUPERVISOR



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number WAD059315069	2. Page 1 of 1	3. Emergency Response Phone 408-841-6337	4. Manifest Tracking Number 002902553 FLE			
5. Generator's Name and Mailing Address Kelly Moore Paints 5400 Airport Way South Seattle, WA 98108 Generator's Phone: 206-676-3464 Ken Aghajany						Generator's Site Address (if different than mailing address) Kelly Moore Paints 5400 Airport Way South Seattle, WA 98108		
6. Transporter 1 Company Name Savannah Transport, Inc.					U.S. EPA ID Number KS0000336891			
7. Transporter 2 Company Name					U.S. EPA ID Number			
8. Designated Facility Name and Site Address RINECO 1007 Vulcan Road Benton, AR 72015 Facility's Phone: 501-778-6325					U.S. EPA ID Number ARD981057870			
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	X	1. RQ, UN1263, Waste Paint, 3, PG II, (D001 @ 100 lbs)		11 DM	4400	P	D001	D035 F003
	X	2. NA3082, Hazardous waste, liquid, n.o.s. (Acetone, Toluene), 9, PG III		7 TP	1700	G	F003	
	X	3. NA3077, Hazardous waste, solid, n.o.s. (Lead, Barium, <50ppm PCB), 9, PG III		9 DM	4000	P	D004 D005 D006	D007 D008 D009
	X	4. NA3082, Hazardous waste, liquid, n.o.s. (Lead, Chromium, <5 ppm PCB), 9, PG III		1 DM	40	G	D004 D005 D006	D007 D008 D009
14. Special Handling Instructions and Additional Information 1. 0910-19112 ERG#128 Paint Still Bottom Waste 2. 0910-17541 ERG#171 Tank Rinse Water 3. 0910-17469 ERG#171 Non Fuels: Contaminated Soil 4. 0910-17471 ERG#171 Non Fuels: Contaminated Water Pickup 11/03/2009 10:30 AM LOAD # 171686								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Officer's Printed/Typed Name Kevin C. Nussan				Signature Kevin C. Nussan		Month Day Year 11/03/09		
TRANSPORTER	16. International Shipments ☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit: Date leaving U.S.:					
	Transporter signature (for exports only):							
	17. Transporter Acknowledgment of Receipt of Materials							
DESIGNATED FACILITY	Transporter 1 Printed/Typed Name JACK P. TATE		Signature Jack P. Tate		Month Day Year 11/3/09			
	Transporter 2 Printed/Typed Name		Signature		Month Day Year			
18. Discrepancy								
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection								
Manifest Reference Number:					U.S. EPA ID Number			
18b. Alternate Facility (or Generator)					U.S. EPA ID Number			
Facility's Phone:					Month Day Year			
18c. Signature of Alternate Facility (or Generator)					Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1. H061		2. H061		3. H141		4. H141		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name Whitney Buck				Signature Whitney Buck		Month Day Year 11/7/09		



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number			
		WAD059315069	1	408-841-6337	002892751 FLE			
5. Generator's Name and Mailing Address Kelly Moore Paints 5400 Airport Way South Seattle, WA 98108 Generator's Phone: 206-676-2464 Ken Aghajyan								
Generator's Site Address (if different than mailing address) Kelly Moore Paints 5400 Airport Way South Seattle, WA 98108								
6. Transporter 1 Company Name Savannah Transport, Inc. U.S. EPA ID Number KS0000336891								
7. Transporter 2 Company Name U.S. EPA ID Number								
8. Designated Facility Name and Site Address RINECO 1007 Vulcan Road Benton, AR 72015 Facility's Phone: 501-778-6325 U.S. EPA ID Number ARD981057870								
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt/Vol.	13. Waste Codes	
			No.	Type				
	X	1. RG, NA3082, Hazardous waste, liquid, n.o.s. (Acetone, Toluene), 9, PG III, (F003)	001	TP	00080	G	F003	F005
	X	2. NA3082, Hazardous waste, liquid, n.o.s. (Acetone, Toluene), 9, PG III	005	TP	01300	G	F003	
	X	3. NA3082, Hazardous waste, liquid, n.o.s. (Acetone, Toluene), 9, PG III	001	DM	00050	G	F003	
X	4. RQ, UN1263, Waste Paint, 3, PG II, (D001 @ 100 lbs)	004	DM	EST	P	D001	D035	F003
14. Special Handling Instructions and Additional Information 1. 0910-17317 ERG#171 Tank Wastewater 2. 0910-17541 ERG#171 Tank Rinse Water 3. 0910-17541 ERG#171 Tank Rinse Water 4. 0804-05267 ERG#128 Paint Still Bottom Waste Pickup 10/08/2009 12:00 PM Load # 170819								
15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Officer's Printed/Typed Name Kevin C. Nussan Signature Kevin C. Nussan Month Day Year 10/08/09								
TRANSPORTER INT'L	16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:							
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Oscar Amacho Signature Month Day Year 10/8/09 Transporter 2 Printed/Typed Name Signature Month Day Year							
DESIGNATED FACILITY	18. Discrepancy 18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection							
	18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number							
	Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year							
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H061 2. H061 3. H061 4. H061							
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 19a Printed/Typed Name AMBER SMITH Signature Amber Smith Month Day Year 10/13/09							



P.O. Box 729
Benton, AR 72018
(800) 377-4692
www.rineco.com

Kelly Moore Paints
Ken Aghjayan
1195 B North 5th Street
San Jose, CA 95112

10/23/2009

Certificate of Disposal

Kelly Moore Paints, Seattle, WA
Manifest # 002892751FLE
Received 10/13/2009

This is to certify that the waste materials received from the above referenced generator and manifest number have been managed and disposed of in accordance with all applicable Federal, State, and Local laws and regulations.

Certificate of Recycling

This is to certify that the following container(s) were received and the steel from the container has been captured and sold as scrap metal for recycling.

Line	# of Containers	Total Lbs. for Recycling
3.	1	50
4.	4	200

All Scrap metal is sent to one of the following scrap metal brokers:

Sol Alman Company
1300 East 9th Street
Little Rock, AR 72202

A. Tenebaum Company, Inc.
P.O. Box 15128 GMF
North Little Rock, AR 72202

By:

Monte J. Dilick, Vice President of Sales & Marketing

1. Rineco ensures that each container is "empty" by the relevant Resource Conservation and Recovery Act and Hazardous Waste Management Code Regulatory standards prior to processing in the Container Decontamination Unit.
2. Weights are based on industry estimates of an average of 50 lbs. per 55 gallon steel drum.
3. The scrap metal is typically shredded, banded, or otherwise processed by the scrap metal brokers in a manner to facilitate use by manufacturing facilities as a raw material in their processes.

URGENT

RINECO

819 Vulcan Rd. Building 300 - Haskell
Benton, AR 72015
501- 778-9089 (FAX) 501-778-8505

URGENT

Manifest Correction Report

DATE: Tuesday January 12, 2010 3:52PM
GENERATOR: Kelly Moore Paints
CITY /STATE: Seattle, WA REGION: N10
GENERATOR CONTACT: Ken Aghjayan FAX: 408-885-9560
MANIFEST #: 002892751FLE
Correction # 44507

CORRECTIONS NEEDED:

Block 13 Lines 2 and 3 Should Contain:" F003, F005"
Block 14 Lines 2 and 3 Should Contain:"0910-17317 ERG#171 Tank Wastewater"

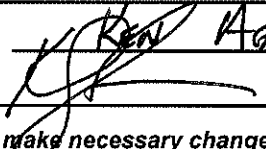
Amy Corvin

RINECO CUSTOMER SERVICE REP

RINECO REGULATORY APPROVAL

If you are a broker, your signature below is certifying that you are authorized as an agent of the generator by contract or agreement to make additions or corrections to Manifests and/or Land Disposal Restrictions.

Generators and/or Brokers please complete this portion

COMPANY NAME Kelly Moore Paints
PRINT OR TYPE NAME KEN AGHJAYAN DATE: 01-12-10
SIGNATURE: 

Your signature allows RINECO to make necessary changes to your paperwork. Please fax back as soon as possible today, to prevent any delays in receiving your original manifest, CD/R.

DI265 8988



Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number WAD059315069	2. Page 1 of 2	3. Emergency Response Phone 408-841-6337	4. Manifest Tracking Number 002895382 FLE		
5. Generator's Name and Mailing Address Kelly Moore Paints 5400 Airport Way South Seattle, WA 98108 Generator's Phone: 206-676-7464				Generator's Site Address (if different than mailing address) Kelly Moore Paints 5400 Airport Way South Seattle, WA 98108			
6. Transporter 1 Company Name Savannah Transport, Inc				U.S. EPA ID Number KSO000336891			
7. Transporter 2 Company Name South Systems Transportation				U.S. EPA ID Number NEO986382133			
8. Designated Facility Name and Site Address Clean Harbors Aragonite 11600 N. Aptus Rd. Aragonite, UT 84029 435-884-8100				U.S. EPA ID Number UTD981552177			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			No.	Type			
	1. UN3432, Waste Polychlorinated Biphenyls, Solid, 9, PG II		006	DM	ESF 00600	K	D004 D005 D006 D007 D008 D009
	2. UN3432, Waste Polychlorinated Biphenyls, Solid, 9, PG II			DM		K	D004 D005 D006 D007 D008 D009
	3.						
14. Special Handling Instructions and Additional Information 1. CH401301 - 6x UN1A2/5594 PCB Remediation Waste-Solids 2. CH401301 - PCB Remediation Waste-Solids UNIQUE ID# 174104 Out of Service - 12/16/09							
15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name Kevin C. Henson				Signature Kevin C. Henson		Month Day Year 12/16/09	
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name HAROLD PETTEY				Signature Harold Petty		Month Day Year 12/16/09	
Transporter 2 Printed/Typed Name Steve Nelson				Signature Steve Nelson		Month Day Year 12/16/09	
18. Discrepancy							
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator) U.S. EPA ID Number							
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H040 2. 3. 4.							
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a							
Printed/Typed Name Lisa Warr				Signature Lisa Warr		Month Day Year 12/29/09	

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Rineco
819 Vulcan Road
P.O. Box 729, Benton, AR
Office: (501) 778-9089
Fax: (501) 778-8505
Territory Manager: Corey Johnson

Customer Service Rep: Amy Corvin
Region: Wes Holland
Profile #: 0910-17317
Broker Rep #:
Status: Approved

Special Instructions: Yes
Create Date: 10/01/2009
Last Cert Date: 10/01/2009
Expiration Date: 10/01/2010

I. WASTE MATERIAL PROFILE SHEET

In accordance with the Federal and State regulations, it is necessary for the Generator of hazardous waste to properly identify the waste for their records as well as to supply the disposal facility with the information necessary to handle the waste. The information outlined below must be complete, and signed by the generator.

Generator Name: **Kelly Moore Paints**

USEPA I.D. No. **WAD059315069**

Address: **5400 Airport Way South**

State ID No. **WA**

Seattle, WA 98108

Technical Contact: **Ken Aghjayan**

Title:

24 Hour Emergency Contact: **Ken Aghjayan**

24 Hour Phone: **408-841-6337**

Is this Material located or generated in a foreign country? **No**

Foreign Address:

II. GENERAL INFORMATION

Material Name: **Tank Wastewater**

No A. Does waste exhibit the characteristic of ignitability as defined in 40 CFR 261.21?

No B. Does waste exhibit the characteristic of corrosivity as defined in 40 CFR 261.22?

No C. Does waste exhibit the characteristic of reactivity as defined in 40 CFR 261.23?

Yes D. Is waste a spent solvent as defined in 40 CFR 261.31?

No E. Is waste a discarded Chemical Product, off spec, container or spill residues as defined in 40 CFR 261.33?

Detailed description of process generating waste: **facility cleaning/closing**

Monthly Volume: 2-5 275 gallon totes

Bulk: **No** Drum: **No** Other: **Yes**

If was other, Explain: totes

III. MATERIAL COMPOSITION

COMPONENT	Concentration			PPM
	Min	Max	Actual	

Water	95	99	No
Dirt	1	5	No
Aroclor 1248 CAS#12672-29-6		0.008	Yes
Aroclor 1254 CAS#11097-69-1		0.023	Yes
Aroclor 1260 CAS#11096-82-5		0.027	Yes
Acetone		140	Yes
Toluene		27	Yes
Xylene		38	Yes

IV. PHYSICAL CHARACTERISTICS

Physical State: Liquid

Free Liquid: Yes

Viscosity: Low

Layers: Single

Odor: None

Flash Point: > 200F

BTU:

pH Level:

Actual PH: 6 to 8

Density: 1.0

V. OTHER CHARACTERISTICS

No Explosive	No Dioxin
No Radioactive	No Shock Sensitive
No Sulfide	No PCB
No Etiological	No Cyanid
No Pyrophoric	No Water Reactive

VI. SHIPPING INFORMATION

Profile #: 0910-17317

DOT Hazardous Material: Yes

ER Guide #: 171

Proper Shipping Name: RQ, Hazardous waste, liquid, n.o.s. (Acetone, Toluene)

Hazard Class and Division: 9

UN or NA: NA3082

Packaging Group: III

RQ: Yes **If Yes:** F003

Addl Information:

USEPA HAZARDOUS WASTE: Yes

Waste ID F003

Numbers: F005

VII. INDICATE IF WASTE CONTAINS ANY OF THE FOLLOWING CHARACTERISTICS as defined by 40 CFR 261.24

Check only if waste exceeds regulatory threshold levels and include analytical date if available.

Constituent	Regulatory level PPM	TCLP PPM	Total PPM	Knowledge
D004 Arsenic	5			No
D005 Barium	100			No
D006 Cadmium	1			No
D007 Chromium	5			No
D008 Lead	5			No
D009 Mercury	0.2			No
D010 Selenium	1			No
D011 Silver	5			No
D012 Endrin	0.02			No
D013 Lindane	0.4			No
D014 Methoxychlor	10			No
D015 Toxaphene	0.5			No
D016 2,4 Dichlorophenoxyacetic acid	10			No
D017 2,4,5 TP Silvex	1			No
D018 Benzene	0.5			No
D019 Carbon Tetrachloride	0.5			No
D020 Chlordane	0.03			No
D021 Chlorobenzene	100			No
D022 Chloroform	6			No
D023 o-Cresol	200			No
D024 m-Cresol	200			No
D025 p-Cresol	200			No
D026 Cresol	200			No
D027 1,4,Dichlorobenzene	7.5			No
D028 1,2,Dichloroethane	0.5			No
D029 1,1 Dichloroethylene	0.7			No
D030 2,4 Dinitrotoluene	0.13			No
D031 Heptachlor	0.008			No
D032 Hexachlorobenzene	0.13			No
D033 Hexachlorobutadiene	0.5			No
D034 Hexachloroethane	3			No
D035 Methyl Ethyl Ketone	200			No
D036 Nitrobenzene	2			No

D037	Pentachlorophenol	100	No
D038	Pyridine	5	No
D039	Tetrachloroethylene	0.7	No
D040	Trichloroethylene	0.5	No
D041	2,4,5 Trichlorophenol	400	No
D042	2,4,6 Trichlorophenol	2	No
D043	Vinyl Chloride	0.2	No

VIII. Benzene Waste Operations NESHA Generator Certification.**Complete only if D018 and /or U019 appear in section 6 (shipping information).**

1. Is this waste generated by an industry with any of the following SIC Codes: 2911, 2800-2899, No 3312, or 4953?:
2. Does this stream have Benzene concentration of 10ppm or more?: No
3. Does this stream contain greater than 10% moisture?: No
4. Is this company's Total Annual Benzene (TAB) of 10Mg or greater per year?: No

Rineco

819 Vulcan Road
P.O. Box 729
Benton, AR 72018
800-377-4692
501-778-9089

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Kelly Moore Paints
Ken Aghjayan
1195 B North 5th Street
San Jose, CA 95112

1/13/2010

Certificate of Disposal

Kelly Moore Paints, Seattle, WA
Manifest # 002902553FLE
Received 11/6/2009

This is to certify that the waste materials received from the above referenced generator and manifest number have been managed and disposed of in accordance with all applicable Federal, State, and Local laws and regulations.

Certificate of Recycling

This is to certify that the following container(s) were received and the steel from the container has been captured and sold as scrap metal for recycling.

Line	# of Containers	Total Lbs. for Recycling
1.	11	575
3.	9	450
4.	1	50

All Scrap metal is sent to one of the following scrap metal brokers:

Sol Alman Company
1300 East 9th Street
Little Rock, AR 72202A. Tenebaum Company, Inc.
P.O. Box 15128 GMF
North Little Rock, AR 72202

By:



Monte J. Dilick, Vice President of Sales & Marketing

1. Rineco ensures that each container is "empty" by the relevant Resource Conservation and Recovery Act and Hazardous Waste Management Code Regulatory standards prior to processing in the Container Decontamination Unit.
2. Weights are based on industry estimates of an average of 50 lbs. per 55 gallon steel drum.
3. The scrap metal is typically shredded, banded, or otherwise processed by the scrap metal brokers in a manner to facilitate use by manufacturing facilities as a raw material in their processes.

APPENDIX D

Photographic Documentation

APPENDIX D

SITE PHOTOGRAPHS

Former Kelly-Moore Manufacturing Facility
Seattle, Washington



Photograph 1 Close up of PCB markings posted on the northern entrance to Building 8.



Photograph 2 PCB markings posted on the northern entrance to Building 8.

APPENDIX D

SITE PHOTOGRAPHS

Former Kelly-Moore Manufacturing Facility
Seattle, Washington



Photograph 3 PCB markings posted on the northern doors of Building 8.



Photograph 4 PCB markings posted on the western doors of Building 8.

APPENDIX D

SITE PHOTOGRAPHS

Former Kelly-Moore Manufacturing Facility
Seattle, Washington



Photograph 5 PCB markings posted on the southern doors of Building 8.