Jewish Home Lifecare, Manhattan – 125 West 97th Street

NEW YORK, NEW YORK

Subsurface (Phase II) Investigation

AKRF Project Number: 11743

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1.0 INTRODUCTION

AKRF, Inc. (AKRF) conducted a Subsurface (Phase II) Investigation at the 125 West 97th Street site (the "Site") in Manhattan, as shown on Figure 1. The purpose of the investigation was to determine whether current or former, on- or off-site activities had adversely affected soil or groundwater at the Site. The scope of this investigation was informed by a *Phase I Environmental Site Assessment* (ESA) prepared by Ethan C. Eldon Associates, Inc. (ECEA) in May 2011. Although the ESA identified no Recognized Environmental Conditions (RECs) associated with the Site, a Phase II was performed as a part of the *State Environmental Quality Review Act* (SEQRA) evaluation of potential redevelopment of the Site.

Field activities were performed in August 2013 in accordance with a New York State Department of Health (NYSDOH) approved work plan, and included the advancement of ten borings with the collection of thirty-two soil samples and two groundwater samples for laboratory analysis from eight of the borings. Additionally, six soil samples were collected from six tree pits. This report describes the methods and results of the investigation.

2.0 PREVIOUS INVESTIGATIONS

125 West 97th Street, New York, New York – Phase I Environmental Site Assessment, Ethan C. Eldon Associates, Inc. (ECEA), May 2011

The ESA identified historical row house buildings at the Site but noted no evidence of Recognized Environmental Conditions. A closed-status (i.e., cleaned up) petroleum spill with an address matching that of the Site was noted, but it related to a Con Edison manhole seemingly located off-site within the West 97th Street roadway south of the Site. No impact to soil or groundwater was noted in the spill listing. Spills in manholes are typically contained within the structures, rarely affect surrounding soil and are promptly cleaned by Con Edison. A spill of №. 6 fuel oil (Spill No. 9702659) was reported at 784 Columbus Avenue, the adjacent property to the east, in May 1997. This spill, which reportedly involved subsurface contamination, was closed by the New York State Department of Environmental Conservation (NYSDEC) in July 2005.

125 West 97th Street, New York, New York – Geotechnical Evaluation, Gorton & Partners, LLC, April 2011

Urban fill materials of unknown origin were encountered in the top 5-10 feet, underlain by apparent native soils (sand, gravel, silt, peat and organic material). Groundwater was first encountered approximately 11 feet below grade. Bedrock was encountered approximately 10-30 feet below grade.

3.0 PHYSICAL SETTING AND PROPOSED DEVELOPMENT

Based on U.S. Geological Survey mapping, the Site is approximately 90 feet above sea level. The Site is relatively level, but the area slopes slightly down toward the west. Geotechnical and Phase II field observations indicated an approximately 10- to 20-foot layer of urban fill materials (including sand, gravel, silt, coal, brick, ash, and/or slag) underlain by apparent weathered bedrock and/or competent bedrock. As previously noted, competent bedrock was encountered approximately 10 to 30 feet below grade. Groundwater, where encountered, was first found at approximately 11 to 18 feet below grade and would be expected to flow in an approximately westerly direction toward the Hudson River, approximately one-half mile away. However, actual groundwater flow may be affected by utilities, basements, subway tunnels, bedrock geology, and other factors beyond the scope of this study.

Groundwater in Manhattan is not used as a source of potable water (the municipal water supply uses upstate reservoirs).

The Proposed Project is the construction of a multistory senior residence with one cellar level and paved and landscaped outdoor areas. Excavation for the cellar and building foundations is anticipated to extend approximately 20 feet below grade. Thus, the proposed construction would require removal of soil to that depth and potentially dewatering and removal of some bedrock. The Proposed Project is undergoing an environmental review pursuant to the *State Environmental Quality Review Act (SEQRA)*.

4.0 FIELD ACTIVITIES

Field activities were conducted on August 15 and 16, 2013, by AKRF personnel and a drilling subcontractor, Zebra Environmental Corp. of Lynbrook, NY. Field activities included the advancement of ten borings (two of which were retrofitted with temporary well points) at the locations shown on Figure 2. Twenty-eight soil samples were collected from borings SB-1 through SB-8. Borings SB-7A and SB-7B, which were not contemplated in the Work Plan, were advanced in the vicinity of boring SB-7 in an attempt to provide additional delineation of the contamination observed at SB-7. Since no evidence of contamination was observed in these additional borings, no soil samples were collected. Groundwater samples were collected from temporary well points TW-1 and TW-2, installed in borings SB-1 and SB-5 respectively.

4.1 Soil and Groundwater Sampling and Analysis

A track-mounted Geoprobe® direct push probe (DPP) was used to advance borings to up to 20 feet below grade. Soil cores were recovered in 5-foot long, 2-inch diameter acetate-lined macro-core samplers, and were then field-screened for evidence of contamination (including odors, stains and sheens) and screened using a photoionization detector (PID), which measures approximate concentrations of VOCs. At each boring, AKRF field personnel recorded and documented subsurface conditions. Logs are provided in *Appendix A*.

Two waste characterization soil samples (used to identify potential options for future off-site disposal) were selected for laboratory analysis from each boring: one composited from the top half (excluding overlying asphalt); one composited from the bottom half. The waste characterization sampling included collection of a grab sample for VOC analysis from each half of the boring. These two grab samples were collected from either the deepest one-foot interval or, where present, from the one-foot interval exhibiting the greatest degree of contamination (e.g., elevated PID readings). In addition to the waste characterization samples, two grab soil samples were collected from the deepest and shallowest one-foot intervals of each boring or, where present, from the one-foot interval exhibiting the greatest degree of contamination, for laboratory analysis. Care was taken to avoid including asphalt, concrete or sub-base materials in the samples.

In addition to samples from the cores, six grab samples were collected from the top six inches of soil in six of the tree pits.

Groundwater samples were collected from one-inch diameter temporary well points installed in two of the borings. No permanent monitoring wells were installed. Prior to sample collection, the depth to the water table was measured using a multi-parameter interface probe (which was also capable of detecting floating petroleum product) attached to a measuring tape accurate to approximately 0.01 feet. Each well was then purged using a peristaltic sampling pump at a rate of

approximately 250 milliliters per minute. Purging continued until turbidity decreased and approximately three to five well volumes had been removed.

All borings were subsequently backfilled with cuttings after sampling was completed and the surface patched using asphalt mix. No cuttings were drummed.

Soil and groundwater samples slated for laboratory analysis were placed in laboratory-supplied containers in accordance with United States Environmental Protection Agency (EPA) protocols. Samples were analyzed by Alpha Analytical Laboratories (Alpha), a New York State Department of Health (NYSDOH) ELAP-certified laboratory.

The composite (waste characterization) soil samples were analyzed for: Target Compound List (TCL) VOCs including 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, dichlorodifluoromethane, 1,4-dioxane, isopropylbenzene, methyl acetate, 2-butanone, methyl isobutyl ketone, methyl tertiary butyl ether, trichlorofluoromethane and 1,1,2-trichloro-1,2,2-trifluoroethane, plus 10, by EPA Method 8260; TCL semi-volatile organic compounds (SVOCs) base neutral & acid extractables (BNA) including acetophenone, atrazine, benzaldehyde, 1,1-biphenyl, N-nitrosodimethylamine, 1,2,4,5-tetrachlorobenzene, 2,3,4,6-tetrachlorophenol, plus 20, by EPA Method 8270; Target Analyte List (TAL) metals by EPA Method 6010B; mercury by EPA Method 7471A; hexavalent chromium by EPA Method 7196A; polychlorinated biphenyls (PCBs) by EPA Method 8082; TCL pesticides by EPA Method 8081; Toxicity Characteristic Leaching Procedure (TCLP) Resource Conservation and Recovery Act (RCRA) 8 metals; total cyanide by EPA Method 9012A; total sulfur by EPA Method 6010B; reactive sulfide by EPA Method 9034 and reactive cyanide by EPA Method 9014; extractable petroleum hydrocarbons (EPH) by the NJDEP EPH Method (C9-C40); and ignitability and corrosivity. One sample was analyzed for paint filter (free liquid) by EPA Method 9095.

The additional grab samples and tree pit samples were analyzed for RCRA 8 Metals. Three shallow grab samples and three tree pit samples were also analyzed for SVOCs by EPA Method 8270, PCBs by EPA Method 8082, and pesticides by EPA Method 8081.

The groundwater samples were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, pesticides by EPA Method 8081, and RCRA 8 metals (both unfiltered and filtered analysis).

4.2 Field Observations

Soil and Groundwater Sampling

Urban fill materials (including sand, gravel, silt, coal, brick, ash, and/or slag) were observed throughout the borings, which were advanced to between 5 and 20 feet below grade. Elevated PID readings were detected only in boring SB-7. Readings ranged from 1.3 to 111 ppm in the 5- to 15-foot interval, and appeared correlated with the presence of a petroleum-like odor and staining in the recovered soil. Groundwater was not observed in this boring, which encountered refusal (seemingly on bedrock) at 15 feet below grade.

Groundwater, where encountered, was first encountered at depths of 14 to 18 feet. No odors or free-phase petroleum were detected in the temporary wells.

The field screening observations are shown on the logs in *Appendix A.*

5.0 FINDINGS

5.1 Soil Analysis Results

Soil laboratory analysis results are summarized in Tables 1 to 6. The complete laboratory data is in *Appendix B*.

Laboratory results were compared to NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (USCOs) and Restricted Residential Use Soil Cleanup Objectives (RRSCOs). The USCOs, which assume long-term exposure to unpaved soils, are conservative given both current and potential future long-term exposure but are the goal used in the Petroleum Spill Response Program for petroleum spills as per NYSDEC CP-51 Soil Cleanup Guidance; They also provide guidance with respect to off-site disposal of excess soil generated during future excavation. The RRSCOs are a more appropriate (but still highly conservative) comparison as they assume multifamily residences with some potential for soil contact. RRSCOs, however can only be utilized when the NYSDEC determines that it is not feasible to achieve USCOs. This determination would be via the submission of Feasibility Study. In reality, long-term exposure to existing soils does not currently occur and would not occur with the anticipated use of the Site, because all existing soil not removed by excavation would be beneath a building, paving or new imported soils used for landscaping and installation of a vapor barrier.

Volatile Organic Compounds

Benzene, ethylbenzene, m&p-xylene, and o-xylene were detected in soil sample WC-7 bottom at concentrations ranging from 120 to 9,700 micrograms per kilogram (µg/kg), all of which exceeded USCOs but were below RRSCOs. The observed contamination is not likely attributable to off-site Spill №. 9702659 (as this spill involved №. 6 fuel oil which typically contains very low levels of VOCs and because the contamination was seemingly encountered at such a shallow depth), but could be associated with an on-site source, such as a fuel oil storage tank in one of the former site buildings. Based on the field observations and laboratory data, Spill №. 1306324 was reported to the NYSDEC.

Acetone, cyclohexane, dibromochloromethane, isopropylbenzene, methylcyclohexane, and methylene chloride were detected in at least one sample, all at levels below USCOs and RRSCOs. These detections do not appear to be indicative of a release and are likely attributable to the fill materials. Additionally, acetone and methylene chloride are common laboratory contaminants and may not be actually present in Site soils.

Soil analytical results for VOCs are presented in Table 1.

Semi-Volatile Organic Compounds

Seventeen SVOCS [2-methylnaphthalene, 4-methylphenol, acenaphthalene, acenaphthylene, anthracene, benzo(g,h,i)perylene, bis(2-ethylhexyl)phthalate, butylbenzylphthalate, carbazole, dibenzofuran, di-n-butylphthalate, fluoranthene, fluorene, isophorone, naphthalene, phenanthrene, and pyrene] were detected in one or more samples. Of these, six compounds [benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenz(a,h)anthracene, and ideno(1,2,3-cd)pyrene] were detected at concentrations above USCOs and RRCSOs ranging from 560 to 4,500 µg/kg. Benzo(k)fluoranthene and chrysene were detected in one or more samples above USCOs but below applicable RRSCOs at concentrations ranging from 1,400 to 3,400 µg/kg.

The detected SVOCs exceeding USCOs or RRSCOs were polycyclic aromatic hydrocarbons (PAHs), a class of compounds commonly found in fill materials containing ash or asphalt. As

such, the detected SVOC concentrations appear most likely attributable to the fill material, and (with the possible exception of SB-7) are not indicative of or associated with a spill.

Soil analytical results for SVOCs are presented in Table 2.

Metals

Twenty-four metals were detected in at least one sample. Six metals: arsenic, chromium, lead, mercury, selenium, and zinc were detected at concentrations ranging from 0.23 mg/kg to 3,850 micrograms per kilogram (mg/kg), in exceedance of USCOs. Of these, arsenic, barium, lead, and mercury also exceeded RRSCOs in one or more samples. Aluminum, beryllium, cadmium, calcium, chromium, copper, cyanide, iron, magnesium, manganese, nickel, potassium, silver, sodium, sulfur, and vanadium were also detected, but at concentrations below USCOs and RRSCOs.

In particular, lead levels in three of the 38 soil samples exceeded 1,000 mg/kg (maximum 3,850 mg/kg), but the overall average lead level was 290 mg/kg. The average level in the samples from the top six inches of tree pits (maximum 681 mg/kg) was 304 mg/kg.

All detected metal concentrations appeared attributable to urban fill materials, which typically contain elevated concentrations of metals with a highly variable distribution.

Soil analytical results for metals are presented in Tables 3 and 4.

Pesticides and PCBs

Two pesticides, 4,4'-DDE and 4,4'-DDT were detected in one or more samples at concentrations exceeding the USCOs but below the RRSCOs. These results could be related to the fill material or historical on-site use.

One PCB, Aroclor 1254, was detected in one sample at an estimated concentration of 63 µg/kg, below the USCO and RRSCO for total PCBs. The detected concentration was most likely attributable to the fill material as it was found in a deeper sample.

Soil analytical results for pesticides and PCBs are presented in Table 5

TCLP and General Chemistry

The toxicity characteristic leaching procedure (TCLP) and general chemistry analyses identified one sample exceeding hazardous waste thresholds. Leachable barium was detected in soil sample WC-3 top at a concentration of 132,000 micrograms per liter (µg/L), exceeding the threshold of 100,000 µg/L. Bricks, paint, tiles, glass, and rubber can contain elevated levels of barium and the detected levels are likely associated with the fill material. No other samples exceeded hazardous waste thresholds.

Soil analytical results for TCLP and general chemistry are presented in Tables 4 and 6, respectively.

5.2 Groundwater Analysis Results

Groundwater laboratory analysis results are summarized in Tables 7 to 10. The complete laboratory data is in *Appendix B.*

Laboratory results were compared to NYSDEC Class GA Ambient Water Quality Standards (AWQS) (drinking water standards), although groundwater is not used as a source of potable water in Manhattan.

Volatile Organic Compounds

Two VOCs were detected in groundwater sample TW-2: an estimated concentration of 0.11 µg/L of benzene and an estimated concentration of 0.38 µg/L of toluene, both of which are below GA standards. These VOCs are commonly associated with petroleum, and may be attributable to the same source as the soil contamination found in boring SB-7 and/or off-site sources.

Groundwater analytical results for VOCs are presented in Table 5.

Semi-Volatile Organic Compounds

One SVOC was detected in both groundwater samples; bis(2-ethylhexyl)phthalate was detected at estimated concentrations of 1.1 µg/L and 2.3 µg/L, both of which are below GA standards. This compound is plasticizer and is frequently a laboratory artifact.

Groundwater analytical results for SVOCs are presented in Table 6.

Metals

Six metals (arsenic, barium, cadmium, chromium, lead, and mercury) were detected in both unfiltered samples with some concentrations exceeding GA standards.

Dissolved metal concentrations were generally lower. Only two metals were detected; selenium exceeded GA standards (in sample TW-2) but barium (detected in both samples) did not.

Based on turbidity levels in the groundwater samples, the higher concentrations in the unfiltered samples are likely primarily attributable to fill material particles entrained in the samples rather than actually present in the dissolved groundwater. The metal concentrations are not indicative of a release.

Groundwater analytical results for metals are presented in Table 7.

Pesticides and PCBs

No PCBs were detected in either groundwater sample.

Three pesticides, 4,4'-DDD, 4,4'-DDE and 4,4'-DDT were detected in sample TW-1 at concentrations ranging from 0.31 µg/L to 0.62 µg/L, all exceeding the GA standards. 4,4'-DDE and 4,4'-DDT were also detected in soil samples from boring SB-1. The detected concentrations could be attributable to fill materials or historical on-site use, but in any event were not indicative of a significant release.

6.0 CONCLUSIONS AND RECOMMENDATIONS

AKRF conducted a subsurface investigation at 125 West 97th Street to determine whether current or former on- or off-site activities have adversely affected soil or groundwater at the Site. The investigation included the advancement of 10 borings with collection of 28 soil samples for laboratory analysis and installation of 2 temporary wells to collect groundwater samples for laboratory analysis. Proposed redevelopment would excavate approximately the top 20 feet of soil from much of the Site for the construction of a cellar. Dewatering might be required.

Soil recovered from the borings included urban fill materials (sand, gravel, silt, coal, brick, ash, and/or slag) throughout the (up to approximately 20 feet depth) of the borings. Weathered bedrock was encountered at depths of 12 to 20 feet below ground surface. Groundwater, where encountered, was first found at depths of 14 to 18 feet. Petroleum-like odors, staining and elevated photoionization detector (PID) readings (indicating volatile organic compounds or VOCs) were noted in boring SB-7 (located in the southeast corner of the Site) from 5 to 15 feet below ground surface.

Composite soil samples were analyzed for a set of waste characterization parameters to guide proper disposal during the future excavation which would be associated with construction of a cellar for a new building. Other soil samples (from discrete depths and from the top six inches of soil in tree pits) were analyzed for a broad range of parameters — VOCs, semivolatile organic compounds (SVOCs), metals, pesticides and polychlorinated biphenyls (PCBs) — to assist in the development of appropriate procedures to prevent unacceptable exposure to both site workers and the surrounding community during excavation and other soil disturbance. Groundwater samples were analyzed for parameters similar to the discrete soil samples, both to understand whether contamination is present and mobile (relating to the Site or nearby sources), and to guide dewatering which may be required during excavation.

Soil sample analytical results were compared to NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (USCOs). The USCOs are conservative given both current and potential future long-term exposure, but are the goal used in the Petroleum Spill Response Program for petroleum spills as per NYSDEC CP-51 Soil Cleanup Guidance. They also provide guidance with respect to off-site disposal of excess soil generated during future excavation. Restricted Residential Use (RRSCOs) are a more appropriate (but still highly conservative) comparison as they assume multifamily residences with some potential for soil contact. RRSCOs, however can only be utilized when the NYSDEC determines that it is not feasible to achieve USCOs. This determination would be via the submission of Feasibility Study. In reality, long-term exposure to existing soils does not currently occur and would not occur with the anticipated use of the Site in which all existing soil not removed by excavation would be beneath a building, paving or new imported soils used for landscaping and installation of a vapor barrier.

Groundwater analytical results were compared to NYSDEC Class GA Ambient Water Quality Standards (drinking water standards), although groundwater is not used as a source of potable water in Manhattan. Dewatering to sewers (with pre-treatment if necessary) may be needed to complete the proposed excavation.

A summary of the significant analytical results is as follows:

- In general, detected levels in soil (and groundwater) samples were consistent with those typically found in the kinds of urban fill material encountered in the borings, which included brick and other building materials (prior to the current parking use, the Site was developed with row houses). Several VOCs, SVOCs, metals, and pesticides were detected in exceedance of USCOs, but only several SVOCs and metals exceeded RRSCOs. In particular, lead levels in three of the 38 soil samples exceeded 1,000 mg/kg (maximum 3,850 mg/kg), but the average lead level was 290 mg/kg. The average level in the samples from the top six inches of tree pits was 304 mg/kg (maximum 681 mg/kg). These findings do not indicate a "soil-lead hazard" defined by USEPA at 40 CFR 745.65(c)

as, "*bare soil on residential real property or on the property of a child-occupied facility that contains total lead equal to or exceeding 400 parts per million (mg/kg) in a play area or average of 1,200 parts per million of bare soil in the rest of the yard based on soil samples"*.

- The barium level in one of the soil core samples, analyzed by the toxicity characteristic leaching procedure (TCLP), exceeded the USEPA Hazardous Waste threshold. Bricks, paint, tiles, glass, and rubber can contain elevated levels of barium and the detected levels are likely associated with the fill material. Soils exceeding TCLP thresholds require special handling/transport/disposal if they are excavated.
- Field screening (including staining, petroleum-like odors and photoionization detector instrument readings) and laboratory data suggest petroleum-contaminated soil is present between approximately 5 and 15 feet below grade in the southeast corner of the Site. This most likely relates to a historical (i.e., removed) petroleum tank once present at one of the buildings formerly at the Site. Based on the field observations and laboratory data, Spill №. 1306324 was reported to the New York State Department of Environmental Conservation (NYSDEC).

6.1 Recommendations

The Proposed Project would entail construction requiring excavation up to 20 feet below grade across the majority of the Site with new paved and planted areas on the remainder. Based on the findings of this investigation, recommendations are:

- To address the proper management of Site soils, including the identified fill material, petroleum-contaminated soil, lead levels and barium exceeding the hazardous waste threshold, as well as potentially other or unexpected contamination, a Remedial Action Plan (RAP) and associated Construction Health and Safety Plan (CHASP) should be prepared for implementation during construction and submitted to the New York State Department of Health (NYSDOH) for review and approval. The RAP should address requirements for items such as: soil stockpiling, soil disposal and transportation; dust and vapor control during development; contingency measures should petroleum storage tanks or other contamination be unexpectedly encountered; and vapor control measures for the proposed building. The CHASP should include measures for worker and community protection, including personal protective equipment, dust control, on-site and community air monitoring, and emergency response procedures.
- Soil and fill materials excavated as part of site development activities should be properly handled and managed in accordance with applicable regulations. As noted in Section 8.0, soil intended for off-site disposal should be tested in accordance with the requirements of the intended receiving facility. Transportation of material leaving the Site for off-site disposal must be in accordance with federal, state and local regulatory requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc.
- Because the cellar will not encompass the entire Site, the uppermost two feet of all new unpaved/landscaped areas should consist of 2 feet of imported clean soil that will meet Restricted Residential SCOs.
- Evidence of a likely petroleum release was identified during AKRF's investigation. Prior to or during Site redevelopment, this area as well as any unexpectedly encountered tanks or other areas of petroleum-contaminated soil should be addressed per applicable regulations, including NYSDEC spill reporting and cleanup requirements.
- If dewatering is necessary, it should be conducted in accordance with a New York City Department of Environmental Protection (NYCDEP) sewer discharge permit. Groundwater testing, and possibly pre-

treatment (dependent upon the testing results), may be necessary to comply with NYCDEP requirements.

7.0 LIMITATIONS

The findings set forth in this report are strictly limited in scope and time to the date of the evaluation described herein. The conclusions and recommendations presented in the report are based solely on the services and any limitations described in this report.

This report may contain conclusions that are based on the analysis of data collected at the time and locations noted in the report through intrusive or non-intrusive sampling. However, further investigation might reveal additional data or variations of the current data, which may differ from our understanding of the conditions presented in this report and require the enclosed recommendations to be reevaluated or modified.

Chemical analyses may have been performed for specific parameters during the course of this investigation, as summarized in the text and tables. It should be noted that additional chemical constituents, not searched for during this investigation, may be present at the site. Due to the nature of the investigation and the limited data available, no warranty, expressed or implied, shall be construed with respect to undiscovered liabilities. The presence of biological hazards, radioactive materials, lead-based paint and asbestos-containing materials was not investigated, unless specified in the report.

Interpretations of the data, including comparison to regulatory standards, guidelines or background values, are not opinions that these comparisons are legally applicable. Furthermore, any conclusions or recommendations should not be construed as legal advice. For such advice, the client is recommended to seek appropriate legal counsel. Disturbance, handling, transportation, storage and disposal of known or potentially contaminated materials is subject to all applicable laws, which may or may not be fully described as part of this report.

The analytical data, conclusions, and/or recommendations provided in this report should not be construed in any way as a classification of waste that may be generated during future disturbance of the project site. Waste(s) generated at the site including excess fill may be considered regulated solid waste and potentially hazardous waste. Requirements for intended disposal facilities should be determined beforehand as the data provided in this report may be insufficient and could vary following additional sampling.

This report may be based solely or partially on data collected, conducted, and provided by, AKRF and/or others. No warranty is expressed or implied by usage of such data. Such data may be included in other investigation reports or documentation. In addition, these reports may have been based upon available previous reports, historical records, documentation from federal, state and local government agencies, personal interviews, and geological mapping. This report is subject, at a minimum, to the limitations of the previous reports, historical documents, availability and accuracy of collected documentation, and personal recollection of those persons interviewed.

This report is intended for the use solely by Greenberg Traurig, LLP. Reliance by third parties on the information and opinions contained herein is strictly prohibited and requires the written consent of AKRF. AKRF accepts no responsibility for damages incurred by third parties for any decisions or actions taken based on this report. This report must be used, interpreted, and presented in its entirety.

8.0 SOIL DISPOSAL ISSUES

In addition to the discussions in the Conclusions, Recommendations, and Limitations Sections (Sections 6.0 and 7.0), the issue of appropriate management of off-site disposal of soil warrants careful consideration. Any material being disposed of off-site is a regulated waste, and disposal must be in accordance with:

- Requirements of the specific receiving facility;
- Requirements of any agencies overseeing the cleanup/excavation; and
- Federal and state requirements (sometimes in both the state where the soil is generated and where disposal will occur).

For hazardous wastes and petroleum-contaminated soil (and other 'clearly contaminated' materials), the requirements are usually fairly well defined. It is in the situation where contamination is not readily apparent (e.g., so called "historic or urban fill" or "construction and demolition debris" or material that may have been formerly identified as "clean fill") that present the greatest potential for problems and cost overruns. Even on sites where no contamination requiring remediation is identified, it is common that most of the excavated material is considered "contaminated" for purposes of waste disposal. Concentrations of the various contaminants in historic fill can be highly variable, and upon further testing, the material could contain higher contaminant concentrations than outlined in this investigation. Portions of this material could be classified as hazardous waste.

It is important that the intended disposal facility (or facilities) be identified in advance of off-site disposal. Agency approval is sometimes required for disposal, and the facility will frequently require additional testing prior to (and sometimes at the time of) accepting material. Material must conform to a lengthy list of requirements based on both chemical composition and sometimes numerous other parameters (related to size, percentage of liquids, presence of odors, etc.) for acceptance at the facility. Assuming (or allowing a contractor to assume) that all, or even most, of the soil from a site can be disposed of at minimal cost may result in unanticipated and expensive change orders.

For these reasons, we recommend that professional advice be sought prior to preparing bid documents and contracts incorporating soil disposal.

9.0 REFERENCES

1. U.S. Geological Survey, *New York, New York – Central Park Quadrangle*, 7.5 minute Series (Topographic), Scale 1:24,000, 1995.
2. 6 NYCRR § 375, effective December 14, 2006, New York State Department of Environmental Conservation Rules and Regulations, Remedial Program Requirements.
3. 6 NYCRR Chapter X § 700 – 706, New York State Department of Environmental Conservation Water Quality Regulations, Surface Water and Ground Water Classifications and Standards.
4. *125 West 97th Street, New York, New York – Phase I Environmental Site Assessment, Ethan C. Eldon Associates, Inc. (ECEA),* May 2011
5. *125 West 97th Street, New York, New York – Geotechnical Evaluation, Gorton & Partners, LLC,* April2011

TABLES

Table 1
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution µg/Kg	NYSDEC Part 375 Unrestricted SCO µg/Kg	NYSDEC Part 375 Restricted Residential SCO µg/Kg	WC-1 top 460-61340-1 8/15/2013 1	WC-1 bottom 460-61340-2 8/15/2013 1	WC-2 top 460-61340-6 8/15/2013 1	WC-2 bottom 460-61340-7 8/15/2013 1	WC-3 top 460-61340-10 8/15/2013 1	WC-3 bottom 460-61340-11 8/15/2013 1
1,1,1-Trichloroethane	680	100,000	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
1,1,2,2-Tetrachloroethane	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
1,1,2-Trichloroethane	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
1,1-Dichloroethane	270	26,000	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
1,1-Dichloroethene	330	100,000	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
1,2,3-Trichlorobenzene	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
1,2,4-Trichlorobenzene	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
1,2-Dibromo-3-Chloropropane	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
1,2-Dibromoethane	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
1,2-Dichlorobenzene	1,100	100,000	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
1,2-Dichloroethane	20	3,100	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
1,2-Dichloropropane	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
1,3-Dichlorobenzene	2,400	49,000	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
1,4-Dichlorobenzene	1,800	13,000	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
1,4-Dioxane	100	13,000	51 U	50 U	54 U	58 U	70 U	69 U
2-Butanone	120	100,000	10 U	9.9 U	11 U	12 U	14 U	14 U
2-Hexanone	NS	NS	10 U	9.9 U	11 U	12 U	14 U	14 U
4-Methyl-2-pentanone	NS	NS	10 U	9.9 U	11 U	12 U	14 U	14 U
Acetone	50	100,000	10 U	9.9 U	11 U	12 U	14 U	11 J
Benzene	60	4,800	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Bromochloromethane	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Bromodichloromethane	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Bromoform	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Bromomethane	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Carbon disulfide	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Carbon tetrachloride	760	2,400	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Chlorobenzene	1,100	100,000	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Chloroethane	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Chloroform	370	49,000	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Chloromethane	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
cis-1,2-Dichloroethene	250	100,000	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
cis-1,3-Dichloropropene	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Cyclohexane	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Dibromochloromethane	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Dichlorodifluoromethane	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Ethylbenzene	1,000	41,000	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Freon TF	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Isopropylbenzene	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
m&p-Xylene	260	100,000	2 U	2 U	2.2 U	2.3 U	2.8 U	2.8 U
Methyl acetate	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Methylcyclohexane	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Methylene Chloride	50	100,000	2.2	0.99 U	1.1 U	1.2 U	1 J	0.75 J
MTBE	930	100,000	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
o-Xylene	260	100,000	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Styrene	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Tetrachloroethene	1,300	19,000	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Toluene	700	100,000	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
trans-1,2-Dichloroethene	190	100,000	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
trans-1,3-Dichloropropene	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Trichloroethene	470	21,000	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Trichlorofluoromethane	NS	NS	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Vinyl chloride	20	900	1 U	0.99 U	1.1 U	1.2 U	1.4 U	1.4 U
Total VOCs	NS	NS	2.2	ND	ND	ND	1	11.75

Table 1
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution µg/Kg	NYSDEC Part 375 Unrestricted SCO µg/Kg	NYSDEC Part 375 Restricted Residential SCO µg/Kg	WC-4 top 460-61467-7 8/15/2013 1	WC-4 bottom 460-61467-8 8/15/2013 1	WC-5 top 460-61467-11 8/15/2013 1	WC-5 bottom 460-61467-12 8/15/2013 1	WC-6 top 460-61467-25 8/16/2013 1	WC-6 bottom 460-61467-26 8/16/2013 1
1,1,1-Trichloroethane	680	100,000	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
1,1,2,2-Tetrachloroethane	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
1,1,2-Trichloroethane	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
1,1-Dichloroethane	270	26,000	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
1,1-Dichloroethene	330	100,000	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
1,2,3-Trichlorobenzene	NS	NS	0.99 U *	1.1 U	0.96 U	1.1 U *	0.99 U *	1.1 U H
1,2,4-Trichlorobenzene	NS	NS	0.99 U *	1.1 U	0.96 U	1.1 U *	0.99 U *	1.1 U H
1,2-Dibromo-3-Chloropropane	NS	NS	0.99 U *	1.1 U	0.96 U	1.1 U *	0.99 U *	1.1 U H
1,2-Dibromoethane	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
1,2-Dichlorobenzene	1,100	100,000	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
1,2-Dichloroethane	20	3,100	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
1,2-Dichloropropane	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
1,3-Dichlorobenzene	2,400	49,000	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
1,4-Dichlorobenzene	1,800	13,000	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
1,4-Dioxane	100	13,000	49 U	56 U	48 U	54 U	49 U	55 U H
2-Butanone	120	100,000	9.9 U	11 U	9.6 U	11 U	9.9 U	11 U H
2-Hexanone	NS	NS	9.9 U	11 U *	9.6 U *	11 U	9.9 U	11 U H
4-Methyl-2-pentanone	NS	NS	9.9 U	11 U	9.6 U	11 U	9.9 U	11 U H
Acetone	50	100,000	9.9 U	11 U	9.6 U	11 U	9.9 U	11 U H
Benzene	60	4,800	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Bromochloromethane	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Bromodichloromethane	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Bromoform	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Bromomethane	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Carbon disulfide	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Carbon tetrachloride	760	2,400	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Chlorobenzene	1,100	100,000	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Chloroethane	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Chloroform	370	49,000	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Chloromethane	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
cis-1,2-Dichloroethene	250	100,000	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
cis-1,3-Dichloropropene	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Cyclohexane	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Dibromochloromethane	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Dichlorodifluoromethane	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Ethylbenzene	1,000	41,000	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Freon TF	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Isopropylbenzene	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
m&p-Xylene	260	100,000	2 U	2.2 U	1.9 U	2.2 U	2 U	2.2 U H
Methyl acetate	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Methylcyclohexane	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Methylene Chloride	50	100,000	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
MTBE	930	100,000	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
o-Xylene	260	100,000	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Styrene	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Tetrachloroethene	1,300	19,000	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Toluene	700	100,000	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
trans-1,2-Dichloroethene	190	100,000	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
trans-1,3-Dichloropropene	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Trichloroethene	470	21,000	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Trichlorofluoromethane	NS	NS	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Vinyl chloride	20	900	0.99 U	1.1 U	0.96 U	1.1 U	0.99 U	1.1 U H
Total VOCs	NS	NS	ND	ND	ND	ND	ND	ND

Table 1
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution µg/Kg	NYSDEC Part 375 Unrestricted SCO µg/Kg	NYSDEC Part 375 Restricted Residential SCO µg/Kg	WC-7 top 460-61467-17 8/16/2013 1	WC-7 bottom 460-61467-18 8/16/2013 50	WC-8 top 460-61467-21 8/16/2013 1	WC-8 bottom 460-61467-22 8/16/2013 1
1,1,1-Trichloroethane	**680**	**100,000**	1.7 U	120 U	1.5 U	1.2 U
1,1,2,2-Tetrachloroethane	**NS**	**NS**	1.7 U	120 U	1.5 U	1.2 U
1,1,2-Trichloroethane	**NS**	**NS**	1.7 U	120 U	1.5 U	1.2 U
1,1-Dichloroethane	**270**	**26,000**	1.7 U	120 U	1.5 U	1.2 U
1,1-Dichloroethene	**330**	**100,000**	1.7 U	120 U	1.5 U	1.2 U
1,2,3-Trichlorobenzene	**NS**	**NS**	1.7 U *	120 U	1.5 U *	1.2 U *
1,2,4-Trichlorobenzene	**NS**	**NS**	1.7 U *	120 U	1.5 U *	1.2 U *
1,2-Dibromo-3-Chloropropane	**NS**	**NS**	1.7 U *	120 U	1.5 U *	1.2 U *
1,2-Dibromoethane	**NS**	**NS**	1.7 U	120 U	1.5 U	1.2 U
1,2-Dichlorobenzene	**1,100**	**100,000**	1.7 U	120 U	1.5 U	1.2 U
1,2-Dichloroethane	**20**	**3,100**	1.7 U	120 U	1.5 U	1.2 U
1,2-Dichloropropane	**NS**	**NS**	1.7 U	120 U	1.5 U	1.2 U
1,3-Dichlorobenzene	**2,400**	**49,000**	1.7 U	120 U	1.5 U	1.2 U
1,4-Dichlorobenzene	**1,800**	**13,000**	1.7 U	120 U	1.5 U	1.2 U
1,4-Dioxane	**100**	**13,000**	83 U	5,900 U	77 U	58 U
2-Butanone	**120**	**100,000**	17 U	590 U	15 U	12 U
2-Hexanone	**NS**	**NS**	17 U	590 U	15 U	12 U
4-Methyl-2-pentanone	**NS**	**NS**	17 U	590 U	15 U	12 U
Acetone	**50**	**100,000**	17 U	590 U	15 U	12 U
Benzene	**60**	**4,800**	1.7 U	**120**	1.5 U	1.2 U
Bromochloromethane	**NS**	**NS**	1.7 U	120 U	1.5 U	1.2 U
Bromodichloromethane	**NS**	**NS**	1.7 U	120 U	1.5 U	1.2 U
Bromoform	**NS**	**NS**	1.7 U	120 U	1.5 U	1.2 U
Bromomethane	**NS**	**NS**	1.7 U	120 U	1.5 U	1.2 U
Carbon disulfide	**NS**	**NS**	1.7 U	120 U	1.5 U	1.2 U
Carbon tetrachloride	**760**	**2,400**	1.7 U	120 U	1.5 U	1.2 U
Chlorobenzene	**1,100**	**100,000**	1.7 U	120 U	1.5 U	1.2 U
Chloroethane	**NS**	**NS**	1.7 U	120 U	1.5 U	1.2 U
Chloroform	**370**	**49,000**	1.7 U	120 U	1.5 U	1.2 U
Chloromethane	**NS**	**NS**	1.7 U	120 U	1.5 U	1.2 U
cis-1,2-Dichloroethene	**250**	**100,000**	1.7 U	120 U	1.5 U	1.2 U
cis-1,3-Dichloropropene	**NS**	**NS**	1.7 U	120 U	1.5 U	1.2 U
Cyclohexane	**NS**	**NS**	1.7 U	4,100 *	1.5 U	1.2 U
Dibromochloromethane	**NS**	**NS**	1.7 U	48 J	1.5 U	1.2 U
Dichlorodifluoromethane	**NS**	**NS**	1.7 U	120 U	1.5 U	1.2 U
Ethylbenzene	**1,000**	**41,000**	1.7 U	**7,100**	1.5 U	1.2 U
Freon TF	**NS**	**NS**	1.7 U	120 U	1.5 U	1.2 U
Isopropylbenzene	**NS**	**NS**	1.7 U	3,200	1.5 U	1.2 U
m&p-Xylene	**260**	**100,000**	3.3 U	**9,700**	3.1 U	2.3 U
Methyl acetate	**NS**	**NS**	1.7 U	240 U	1.5 U	1.2 U
Methylcyclohexane	**NS**	**NS**	1.7 U	15,000 *	1.5 U	1.2 U
Methylene Chloride	**50**	**100,000**	1.7 U	120 U	1.5 U	1.2 U
MTBE	**930**	**100,000**	1.7 U	120 U	1.5 U	1.2 U
o-Xylene	**260**	**100,000**	1.7 U	**1,200**	1.5 U	1.2 U
Styrene	**NS**	**NS**	1.7 U	120 U	1.5 U	1.2 U
Tetrachloroethene	**1,300**	**19,000**	1.7 U	120 U	1.5 U	1.2 U
Toluene	**700**	**100,000**	1.7 U	120 U	1.5 U	1.2 U
trans-1,2-Dichloroethene	**190**	**100,000**	1.7 U	120 U	1.5 U	1.2 U
trans-1,3-Dichloropropene	**NS**	**NS**	1.7 U	120 U	1.5 U	1.2 U
Trichloroethene	**470**	**21,000**	1.7 U	120 U	1.5 U	1.2 U
Trichlorofluoromethane	**NS**	**NS**	1.7 U	120 U	1.5 U	1.2 U
Vinyl chloride	**20**	**900**	1.7 U	120 U	1.5 U	1.2 U
Total VOCs	**NS**	**NS**	ND	40,468	ND	ND

Table 2
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Semivolatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution µg/Kg	NYSDEC Part 375 Unrestricted SCO µg/Kg	NYSDEC Part 375 Restricted Residential SCO µg/Kg	WC-1 top 460-61340-1 8/15/2013 2	WC-1 bottom 460-61340-2 8/15/2013 1	SB-1 top 460-61340-3 8/15/2013 2	WC-2 top 460-61340-6 8/15/2013 1	WC-2 bottom 460-61340-7 8/15/2013 1	SB-2 top 460-61340-8 8/15/2013 1
1,2,4,5-Tetrachlorobenzene	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
2,2'-oxybis[1-chloropropane]	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
2,3,4,6-Tetrachlorophenol	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
2,4,5-Trichlorophenol	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
2,4,6-Trichlorophenol	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
2,4-Dichlorophenol	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
2,4-Dimethylphenol	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
2,4-Dinitrophenol	NS	NS	2,300 U	1,100 U	2,300 U	1,200 U	1,100 U	1,200 U
2,4-Dinitrotoluene	NS	NS	160 U	76 U	150 U	80 U	75 U	80 U
2,6-Dinitrotoluene	NS	NS	160 U	76 U	150 U	80 U	75 U	80 U
2-Chloronaphthalene	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
2-Chlorophenol	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
2-Methylnaphthalene	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
2-Methylphenol	330	100,000	770 U	370 U	760 U	400 U	370 U	390 U
2-Nitroaniline	NS	NS	1,600 U	760 U	1,500 U	800 U	750 U	800 U
2-Nitrophenol	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
3,3'-Dichlorobenzidine	NS	NS	1,600 U	760 U	1,500 U	800 U	750 U	800 U
3-Nitroaniline	NS	NS	1,600 U	760 U	1,500 U	800 U	750 U	800 U
4,6-Dinitro-2-methylphenol	NS	NS	2,300 U	1,100 U	2,300 U	1,200 U	1,100 U	1,200 U
4-Bromophenyl phenyl ether	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
4-Chloro-3-methylphenol	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
4-Chloroaniline	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
4-Chlorophenyl phenyl ether	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
4-Methylphenol	330	100,000	770 U	370 U	760 U	400 U	370 U	390 U
4-Nitroaniline	NS	NS	1,600 U	760 U	1,500 U	800 U	750 U	800 U
4-Nitrophenol	NS	NS	2300 U	1,100 U	2,300 U	1,200 U	1,100 U	1,200 U
Acenaphthene	20,000	100,000	770 U	370 U	760 U	400 U	370 U	390 U
Acenaphthylene	100,000	100,000	630 J	370 U	470 J	400 U	370 U	140 J
Acetophenone	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
Anthracene	100,000	100,000	1,000	370 U	330 J	400 U	370 U	160 J
Atrazine	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
Benzaldehyde	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
Benzo[a]anthracene	1,000	1,000	**3,900**	51	**2,900**	68	37 U	1,000
Benzo[a]pyrene	1,000	1,000	**3,400**	59	**3,000**	75	13 J	**1,200**
Benzo[b]fluoranthene	1,000	1,000	**4,200**	68	**4,500**	77	13 J	**1,500**
Benzo[g,h,i]perylene	100,000	100,000	2,100	55 J	2,600	48 J	370 U	750
Benzo[k]fluoranthene	800	3,900	**1,600**	29 J	**1,700**	40 U	37 U	640
Bis(2-chloroethoxy)methane	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
Bis(2-chloroethyl)ether	NS	NS	77 U	37 U	76 U	40 U	37 U	39 U
Bis(2-ethylhexyl) phthalate	NS	NS	410 J	160 J	760 U	340 J	170 J	390 U
Butyl benzyl phthalate	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
Caprolactam	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
Carbazole	NS	NS	240 J	370 U	450 J	400 U	370 U	120 J
Chrysene	1,000	3,900	**4,000**	58 J	**3,400**	79 J	370 U	**1,400**
Dibenz(a,h)anthracene	330	330	**560**	16 J	**570**	13 J	37 U	180
Dibenzofuran	7,000	59,000	240 J	370 U	760 U	400 U	370 U	390 U
Diethyl phthalate	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
Dimethyl phthalate	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
Di-n-butyl phthalate	NS	NS	770 U	370 U	760 U	400 U	370 U	63 J
Di-n-octyl phthalate	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
Diphenyl	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
Fluoranthene	100,000	100,000	5,900	65 J	4,200	95 J	370 U	1,800
Fluorene	30,000	100,000	470 J	370 U	760 U	400 U	370 U	58 J
Hexachlorobenzene	330	1,200	77 U	37 U	76 U	40 U	37 U	39 U
Hexachlorobutadiene	NS	NS	160 U	76 U	150 U	80 U	75 U	80 U
Hexachlorocyclopentadiene	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
Hexachloroethane	NS	NS	77 U	37 U	76 U	40 U	37 U	39 U
Indeno[1,2,3-cd]pyrene	500	500	**2,100**	58	**2,400**	37 J	37 U	**730**
Isophorone	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
Naphthalene	12,000	100,000	94 J	370 U	760 U	400 U	370 U	53 J
Nitrobenzene	NS	NS	77 U	37 U	76 U	40 U	37 U	39 U
N-Nitrosodi-n-propylamine	NS	NS	77 U	37 U	76 U	40 U	37 U	39 U
N-Nitrosodiphenylamine	NS	NS	770 U	370 U	760 U	400 U	370 U	390 U
Pentachlorophenol	800	6,700	2,300 U	1,100 U	2,300 U	1,200 U	1,100 U	1,200 U
Phenanthrene	100,000	100,000	4,000	49 J	2,500	55 J	370 U	1,100
Phenol	330	100,000	770 U	370 U	760 U	400 U	370 U	390 U
Pyrene	100,000	100,000	6,500	74 J	4,600	100 J	370 U	1,900
Total SVOCs	NS	NS	41,344	742	33,620	987	196	12,794

Table 2
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Semivolatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution µg/Kg	NYSDEC Part 375 Unrestricted SCO µg/Kg	NYSDEC Part 375 Restricted Residential SCO µg/Kg	WC-3 top 460-61340-10 8/15/2013 1	WC-3 bottom 460-61340-11 8/15/2013 1	SB-3 top 460-61340-12 8/15/2013 1	WC-4 top 460-61467-7 8/15/2013 1	WC-4 bottom 460-61467-8 8/15/2013 1
1,2,4,5-Tetrachlorobenzene	NS	NS	340 U	360 U	390 U	360 U *	360 U *
2,2'-oxybis[1-chloropropane]	NS	NS	340 U	360 U	390 U	360 U	360 U
2,3,4,6-Tetrachlorophenol	NS	NS	340 U	360 U	390 U	360 U	360 U
2,4,5-Trichlorophenol	NS	NS	340 U	360 U	390 U	360 U	360 U
2,4,6-Trichlorophenol	NS	NS	340 U	360 U	390 U	360 U	360 U
2,4-Dichlorophenol	NS	NS	340 U	360 U	390 U	360 U	360 U
2,4-Dimethylphenol	NS	NS	340 U	360 U	390 U	360 U	360 U
2,4-Dinitrophenol	NS	NS	1,000 U	1,100 U	1,200 U	1,100 U	1,100 U
2,4-Dinitrotoluene	NS	NS	70 U	72 U	79 U	73 U	74 U
2,6-Dinitrotoluene	NS	NS	70 U	72 U	79 U	73 U	74 U
2-Chloronaphthalene	NS	NS	340 U	360 U	390 U	360 U	360 U
2-Chlorophenol	NS	NS	340 U	360 U	390 U	360 U	360 U
2-Methylnaphthalene	NS	NS	340 U	360 U	390 U	360 U	360 U
2-Methylphenol	330	100,000	340 U	360 U	390 U	360 U	360 U
2-Nitroaniline	NS	NS	700 U	720 U	790 U	730 U	740 U
2-Nitrophenol	NS	NS	340 U	360 U	390 U	360 U	360 U
3,3'-Dichlorobenzidine	NS	NS	700 U	720 U	790 U	730 U	740 U
3-Nitroaniline	NS	NS	700 U	720 U	790 U	730 U	740 U
4,6-Dinitro-2-methylphenol	NS	NS	1,000 U	1,100 U	1,200 U	1,100 U	1,100 U
4-Bromophenyl phenyl ether	NS	NS	340 U	360 U	390 U	360 U	360 U
4-Chloro-3-methylphenol	NS	NS	340 U	360 U	390 U	360 U	360 U
4-Chloroaniline	NS	NS	340 U	360 U	390 U	360 U	360 U
4-Chlorophenyl phenyl ether	NS	NS	340 U	360 U	390 U	360 U	360 U
4-Methylphenol	330	100,000	340 U	360 U	390 U	360 U	360 U
4-Nitroaniline	NS	NS	700 U	720 U	790 U	730 U	740 U
4-Nitrophenol	NS	NS	1,000 U	1,100 U	1,200 U	1,100 U	1,100 U
Acenaphthene	20,000	100,000	340 U	360 U	390 U	360 U	360 U
Acenaphthylene	100,000	100,000	100 J	170 J	390 U	65 J	43 J
Acetophenone	NS	NS	340 U	360 U	390 U	360 U	360 U
Anthracene	100,000	100,000	62 J	130 J	390 U	360 U	360 U
Atrazine	NS	NS	340 U	360 U	390 U	360 U	360 U
Benzaldehyde	NS	NS	340 U	360 U	390 U	360 U	360 U
Benzo[a]anthracene	1,000	1,000	110	690	39 U	200	87
Benzo[a]pyrene	1,000	1,000	280	720	39 U	230	100
Benzo[b]fluoranthene	1,000	1,000	280	910	13 J	360	130
Benzo[g,h,i]perylene	100,000	100,000	260 J	330 J	390 U	110 J	45 J
Benzo[k]fluoranthene	800	3,900	100	440	39 U	160	47
Bis(2-chloroethoxy)methane	NS	NS	340 U	360 U	390 U	360 U	360 U
Bis(2-chloroethyl)ether	NS	NS	34 U	36 U	39 U	36 U	36 U
Bis(2-ethylhexyl) phthalate	NS	NS	220 J	360	390 U	360 U	130 J
Butyl benzyl phthalate	NS	NS	340 U	360 U	390 U	360 U	360 U
Caprolactam	NS	NS	340 U	360 U	390 U	360 U	360 U
Carbazole	NS	NS	47 J	93 J	390 U	360 U	360 U
Chrysene	1,000	3,900	150 J	820	390 U	260 J	100 J
Dibenz(a,h)anthracene	330	330	73	93	39 U	36 U	11 J
Dibenzofuran	7,000	59,000	340 U	48 J	390 U	360 U	360 U
Diethyl phthalate	NS	NS	340 U	360 U	390 U	360 U	360 U
Dimethyl phthalate	NS	NS	340 U	360 U	390 U	360 U	360 U
Di-n-butyl phthalate	NS	NS	340 U	360 U	390 U	230 J	250 J
Di-n-octyl phthalate	NS	NS	340 U	360 U	390 U	360 U	360 U
Diphenyl	NS	NS	340 U	360 U	390 U	360 U	360 U
Fluoranthene	100,000	100,000	220 J	1,500	390 U	500	160 J
Fluorene	30,000	100,000	340 U	61 J	390 U	360 U	360 U
Hexachlorobenzene	330	1,200	34 U	36 U	39 U	36 U	36 U
Hexachlorobutadiene	NS	NS	70 U	72 U	79 U	73 U	74 U
Hexachlorocyclopentadiene	NS	NS	340 U	360 U	390 U	360 U	360 U
Hexachloroethane	NS	NS	34 U	36 U	39 U	36 U	36 U
Indeno[1,2,3-cd]pyrene	500	500	290	370	39 U	100	41
Isophorone	NS	NS	290 J	360 U	390 U	360 U	360 U
Naphthalene	12,000	100,000	340 U	360 U	390 U	360 U	360 U
Nitrobenzene	NS	NS	34 U	36 U	39 U	36 U	36 U
N-Nitrosodi-n-propylamine	NS	NS	34 U	36 U	39 U	36 U	36 U
N-Nitrosodiphenylamine	NS	NS	340 U	360 U	390 U	360 U	360 U
Pentachlorophenol	800	6,700	1,000 U	1,100 U	1,200 U	1,100 U	1,100 U
Phenanthrene	100,000	100,000	220 J	1,000	390 U	320 J	140 J
Phenol	330	100,000	340 U	360 U	390 U	360 U	360 U
Pyrene	100,000	100,000	180 J	1,200	390 U	440	160 J
Total SVOCs	NS	NS	2,882	8,935	13	2,975	1,444

Table 2
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Semivolatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution µg/Kg	NYSDEC Part 375 Unrestricted SCO µg/Kg	NYSDEC Part 375 Restricted Residential SCO µg/Kg	WC-5 top 460-61467-11 8/15/2013 1	WC-5 bottom 460-61467-12 8/15/2013 1	WC-6 top 460-61467-25 8/16/2013 1	WC-6 bottom 460-61467-26 8/16/2013 1	WC-7 top 460-61467-17 8/16/2013 1	WC-7 bottom 460-61467-18 8/16/2013 2
1,2,4,5-Tetrachlorobenzene	NS	NS	380 U *	370 U *	390 U	390 U	360 U *	780 U *
2,2'-oxybis[1-chloropropane]	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
2,3,4,6-Tetrachlorophenol	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
2,4,5-Trichlorophenol	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
2,4,6-Trichlorophenol	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
2,4-Dichlorophenol	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
2,4-Dimethylphenol	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
2,4-Dinitrophenol	NS	NS	1,100 U	1,100 U	1,200 U	1,200 U	1,100 U	2,400 U
2,4-Dinitrotoluene	NS	NS	77 U	75 U	79 U	80 U	74 U	160 U
2,6-Dinitrotoluene	NS	NS	77 U	75 U	79 U	80 U	74 U	160 U
2-Chloronaphthalene	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
2-Chlorophenol	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
2-Methylnaphthalene	NS	NS	380 U	370 U	390 U	390 U	360 U	730 J
2-Methylphenol	330	100,000	380 U	370 U	390 U	390 U	360 U	780 U
2-Nitroaniline	NS	NS	770 U	750 U	790 U	800 U	740 U	1,600 U
2-Nitrophenol	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
3,3'-Dichlorobenzidine	NS	NS	770 U	750 U	790 U	800 U	740 U	1,600 U
3-Nitroaniline	NS	NS	770 U	750 U	790 U	800 U	740 U	1,600 U
4,6-Dinitro-2-methylphenol	NS	NS	1,100 U	1,100 U	1,200 U	1,200 U	1,100 U	2,400 U
4-Bromophenyl phenyl ether	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
4-Chloro-3-methylphenol	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
4-Chloroaniline	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
4-Chlorophenyl phenyl ether	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
4-Methylphenol	330	100,000	380 U	370 U	390 U	390 U	360 U	780 U
4-Nitroaniline	NS	NS	770 U	750 U	790 U	800 U	740 U	1,600 U
4-Nitrophenol	NS	NS	1,100 U	1,100 U	1,200 U	1,200 U	1,100 U	2,400 U
Acenaphthene	20,000	100,000	380 U	370 U	390 U	390 U	360 U	200 J
Acenaphthylene	100,000	100,000	380 U	370 U	390 U	390 U	360 U	780 U
Acetophenone	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
Anthracene	100,000	100,000	380 U	370 U	390 U	390 U	360 U	340 J
Atrazine	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
Benzaldehyde	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
Benzo[a]anthracene	1,000	1,000	60	34 J	39 U	39 U	140	440
Benzo[a]pyrene	1,000	1,000	56	31 J	35 J	5 J	130	320
Benzo[b]fluoranthene	1,000	1,000	73	38	42	7 J	150	180
Benzo[g,h,i]perylene	100,000	100,000	47 J	36 J	390 U	390 U	63 J	63 J
Benzo[k]fluoranthene	800	3,900	31 J	18 J	16 J	39 U	55	59 J
Bis(2-chloroethoxy)methane	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
Bis(2-chloroethyl)ether	NS	NS	38 U	37 U	39 U	39 U	36 U	78 U
Bis(2-ethylhexyl) phthalate	NS	NS	380 U	160 J	390 U	390 U	360 U	780 U
Butyl benzyl phthalate	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
Caprolactam	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
Carbazole	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
Chrysene	1,000	3,900	56 J	370 U	390 U	390 U	150 J	860
Dibenz(a,h)anthracene	330	330	13 J	7.2 J	39 U	39 U	36 U	78 U
Dibenzofuran	7,000	59,000	380 U	370 U	390 U	390 U	360 U	220 J
Diethyl phthalate	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
Dimethyl phthalate	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
Di-n-butyl phthalate	NS	NS	210 J	190 J	180 J	320 J	230 J	360 J
Di-n-octyl phthalate	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
Diphenyl	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
Fluoranthene	100,000	100,000	82 J	54 J	57 J	390 U	230 J	330 J
Fluorene	30,000	100,000	380 U	370 U	390 U	390 U	360 U	640 J
Hexachlorobenzene	330	1,200	38 U	37 U	39 U	39 U	36 U	78 U
Hexachlorobutadiene	NS	NS	77 U	75 U	79 U	80 U	74 U	160 U
Hexachlorocyclopentadiene	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
Hexachloroethane	NS	NS	38 U	37 U	39 U	39 U	36 U	78 U
Indeno[1,2,3-cd]pyrene	500	500	44	32 J	22 J	39 U	61	50 J
Isophorone	NS	NS	380 U	370 U	72 J	390 U	360 U	780 U
Naphthalene	12,000	100,000	380 U	370 U	390 U	390 U	360 U	780 U
Nitrobenzene	NS	NS	38 U	37 U	39 U	39 U	36 U	78 U
N-Nitrosodi-n-propylamine	NS	NS	38 U	37 U	39 U	39 U	36 U	78 U
N-Nitrosodiphenylamine	NS	NS	380 U	370 U	390 U	390 U	360 U	780 U
Pentachlorophenol	800	6,700	1,100 U	1,100 U	1,200 U	1,200 U	1,100 U	2,400 U
Phenanthrene	100,000	100,000	54 J	370 U	390 U	390 U	150 J	2,800
Phenol	330	100,000	380 U	370 U	390 U	390 U	360 U	780 U
Pyrene	100,000	100,000	100 J	45 J	58 J	390 U	290 J	1,100
Total SVOCs	NS	NS	826	645	482	332	1,649	8,692

Table 2
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Semivolatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution µg/Kg	NYSDEC Part 375 Unrestricted SCO µg/Kg	NYSDEC Part 375 Restricted Residential SCO µg/Kg	WC-8 top 460-61467-21 8/16/2013 1	WC-8 bottom 460-61467-22 8/16/2013 1	TS-2 460-61467-2 8/16/2013 1	TS-4 460-61467-4 8/16/2013 1	TS-6 460-61467-6 8/16/2013 1
1,2,4,5-Tetrachlorobenzene	NS	NS	380 U *	370 U	390 U *	340 U *	350 U *
2,2'-oxybis[1-chloropropane]	NS	NS	380 U	370 U	390 U	340 U	350 U
2,3,4,6-Tetrachlorophenol	NS	NS	380 U	370 U	390 U	340 U	350 U
2,4,5-Trichlorophenol	NS	NS	380 U	370 U	390 U	340 U	350 U
2,4,6-Trichlorophenol	NS	NS	380 U	370 U	390 U	340 U	350 U
2,4-Dichlorophenol	NS	NS	380 U	370 U	390 U	340 U	350 U
2,4-Dimethylphenol	NS	NS	380 U	370 U	390 U	340 U	350 U
2,4-Dinitrophenol	NS	NS	1,100 U	1,100 U	1,200 U	1,000 U	1,100 U
2,4-Dinitrotoluene	NS	NS	76 U	75 U	79 U	70 U	70 U
2,6-Dinitrotoluene	NS	NS	76 U	75 U	79 U	70 U	70 U
2-Chloronaphthalene	NS	NS	380 U	370 U	390 U	340 U	350 U
2-Chlorophenol	NS	NS	380 U	370 U	390 U	340 U	350 U
2-Methylnaphthalene	NS	NS	380 U	370 U	390 U	340 U	350 U
2-Methylphenol	330	100,000	380 U	370 U	390 U	340 U	350 U
2-Nitroaniline	NS	NS	760 U	750 U	790 U	700 U	700 U
2-Nitrophenol	NS	NS	380 U	370 U	390 U	340 U	350 U
3,3'-Dichlorobenzidine	NS	NS	760 U	750 U	790 U	700 U	700 U
3-Nitroaniline	NS	NS	760 U	750 U	790 U	700 U	700 U
4,6-Dinitro-2-methylphenol	NS	NS	1,100 U	1,100 U	1,200 U	1,000 U	1,100 U
4-Bromophenyl phenyl ether	NS	NS	380 U	370 U	390 U	340 U	350 U
4-Chloro-3-methylphenol	NS	NS	380 U	370 U	390 U	340 U	350 U
4-Chloroaniline	NS	NS	380 U	370 U	390 U	340 U	350 U
4-Chlorophenyl phenyl ether	NS	NS	380 U	370 U	390 U	340 U	350 U
4-Methylphenol	330	100,000	380 U	370 U	390 U	340 U	150 J
4-Nitroaniline	NS	NS	760 U	750 U	790 U	700 U	700 U
4-Nitrophenol	NS	NS	1,100 U	1,100 U	1,200 U	1,000 U	1,100 U
Acenaphthene	20,000	100,000	380 U	370 U	140 J	340 U	72 J
Acenaphthylene	100,000	100,000	380 U	56 J	390 U	340 U	79 J
Acetophenone	NS	NS	380 U	370 U	390 U	340 U	350 U
Anthracene	100,000	100,000	380 U	45 J	170 J	340 U	220 J
Atrazine	NS	NS	380 U	370 U	390 U	340 U	350 U
Benzaldehyde	NS	NS	380 U	370 U	390 U	340 U	350 U
Benzo[a]anthracene	1,000	1,000	100	280	520	89	680
Benzo[a]pyrene	1,000	1,000	130	300	550	100	710
Benzo[b]fluoranthene	1,000	1,000	170	390	890	160	**1,100**
Benzo[g,h,i]perylene	100,000	100,000	74 J	88 J	160 J	34 J	190 J
Benzo[k]fluoranthene	800	3,900	61	170	300	68	370
Bis(2-chloroethoxy)methane	NS	NS	380 U	370 U	390 U	340 U	350 U
Bis(2-chloroethyl)ether	NS	NS	38 U	37 U	39 U	34 U	35 U
Bis(2-ethylhexyl) phthalate	NS	NS	380 U	200 J	430	150 J	760
Butyl benzyl phthalate	NS	NS	380 U	370 U	86 J	340 U	50 J
Caprolactam	NS	NS	380 U	370 U	390 U	340 U	350 U
Carbazole	NS	NS	380 U	370 U	110 J	340 U	95 J
Chrysene	1,000	3,900	120 J	270 J	590	110 J	720
Dibenz(a,h)anthracene	330	330	18 J	32 J	46	9.5 J	61
Dibenzofuran	7,000	59,000	380 U	370 U	390 U	340 U	60 J
Diethyl phthalate	NS	NS	380 U	370 U	390 U	340 U	350 U
Dimethyl phthalate	NS	NS	380 U	370 U	390 U	340 U	350 U
Di-n-butyl phthalate	NS	NS	210 J	170 J	370 J	220 J	430
Di-n-octyl phthalate	NS	NS	380 U	370 U	390 U	340 U	350 U
Diphenyl	NS	NS	380 U	370 U	390 U	340 U	350 U
Fluoranthene	100,000	100,000	170 J	530	1,200	180 J	1,600
Fluorene	30,000	100,000	380 U	370 U	78 J	340 U	65 J
Hexachlorobenzene	330	1,200	38 U	37 U	39 U	34 U	35 U
Hexachlorobutadiene	NS	NS	76 U	75 U	79 U	70 U	70 U
Hexachlorocyclopentadiene	NS	NS	380 U	370 U	390 U	340 U	350 U
Hexachloroethane	NS	NS	38 U	37 U	39 U	34 U	35 U
Indeno[1,2,3-cd]pyrene	500	500	69	96	170	32 J	190
Isophorone	NS	NS	380 U	370 U	390 U	340 U	350 U
Naphthalene	12,000	100,000	380 U	370 U	390 U	340 U	350 U
Nitrobenzene	NS	NS	38 U	37 U	39 U	34 U	35 U
N-Nitrosodi-n-propylamine	NS	NS	38 U	37 U	39 U	34 U	35 U
N-Nitrosodiphenylamine	NS	NS	380 U	370 U	390 U	340 U	350 U
Pentachlorophenol	800	6,700	1,100 U	1,100 U	1,200 U	1,000 U	1,100 U
Phenanthrene	100,000	100,000	82 J	250 J	810	100 J	970
Phenol	330	100,000	380 U	370 U	390 U	340 U	350 U
Pyrene	100,000	100,000	170 J	450	890	130 J	1,500
Total SVOCs	NS	NS	1,374	3,327	7,510	1,383	10,072

Table 3
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Metals

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	WC-1 top 460-61340-1 8/15/2013 4/1 *	WC-1 bottom 460-61340-2 8/15/2013 4/1 *	SB-1 top 460-61340-3 8/15/2013 4/1 *	SB-1 bottom 460-61340-4 8/15/2013 4/1 *	WC-2 top 460-61340-6 8/15/2013 4/1 *	WC-2 bottom 460-61340-7 8/15/2013 4/1 *	SB-2 top 460-61340-8 8/15/2013 4/2/20 †	SB-2 bottom 460-61340-9 8/15/2013 4/1 *
Aluminum	**NS**	**NS**	9,110	7,710	NA	NA	13,100	8,440	NA	NA
Antimony	**NS**	**NS**	2.2 U	1.8 U	NA	NA	2.1 U	1.7 U	NA	NA
Arsenic	**13**	**16**	6.5	0.9 U	8.2	0.92 U	5	0.83 U	**14.9**	0.91 U
Barium	**350**	**400**	**891**	117	**1,300**	64.1	78.6	75.1	**882**	157
Beryllium	**7.2**	**72**	0.35 J	0.18 J	NA	NA	0.34 J	0.19 J	NA	NA
Cadmium	**2.5**	**4.3**	0.47 J	0.9 U	2.1	0.92 U	1.1 U	0.83 U	1.8	0.91 U
Calcium	**NS**	**NS**	53,800	5,030	NA	NA	1,590	1,940	NA	NA
Chromium	**30**	**180**	14.5	22.9	**155**	15.1	19.1	18.3	29.6	**34.4**
Chromium, hexavalent	**1**	**110**	2.3 U	2.3 U	NA	NA	2.5 U	2.2 U	NA	NA
Cobalt	**NS**	**NS**	5 J	7.2 J	NA	NA	6.4 J	11	NA	NA
Copper	**50**	**270**	36.5	35.4	NA	NA	42.4	36.5	NA	NA
Cyanide	**27**	**27**	0.49	0.11 U	NA	NA	0.12 U	0.11 U	NA	NA
Iron	**NS**	**NS**	15,600	12,500	NA	NA	21,800	17,200	NA	NA
Lead	**63**	**400**	**1,110**	42.3	**1,830**	11	**201**	20	**3,850**	8
Magnesium	**NS**	**NS**	4,470	3,220	NA	NA	3,330	3,750	NA	NA
Manganese	**1,600**	**2,000**	328	337	NA	NA	215	247	NA	NA
Mercury	**0.18**	**0.81**	**0.84**	0.06	**0.78**	0.019 U	**0.23**	0.019 U	**1**	0.019 U
Nickel	**30**	**310**	13.1	14.6	NA	NA	17.2	17.5	NA	NA
Potassium	**NS**	**NS**	1,360	2,240	NA	NA	1,620	3,290	NA	NA
Selenium	**3.9**	**180**	2.2 U	1.8 U	1.8 J	1.8 U	2.3	1.1 J	**4.8**	3.3
Silver	**2**	**180**	0.58 J	0.3 J	0.61 J	0.4 J	0.54 J	0.36 J	1.2 J	0.63 J
Sodium	**NS**	**NS**	929 J	327 J	NA	NA	1,050 U	221 J	NA	NA
Sulfur	**NS**	**NS**	755 B	358 B	NA	NA	83.7 B	115 B	NA	NA
Thallium	**NS**	**NS**	2.2 U	1.8 U	NA	NA	2.1 U	1.7 U	NA	NA
Vanadium	**NS**	**NS**	40.7	23	NA	NA	25.8	23.9	NA	NA
Zinc	**109**	**10,000**	**546**	73	NA	NA	87	36.8	NA	NA

Notes: * = The dilution rate for Mercury is 1.
† = The dilution rate for Mercury is 2,
the rate for Lead is 40.

Table 3
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Metals

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	WC-3 top 460-61340-10 8/15/2013 4/1 *	WC-3 bottom 460-61340-11 8/15/2013 4/1 *	SB-3 top 460-61340-12 8/15/2013 4/1 *	SB-3 Bottom 460-61340-13 8/15/2013 4/1 *	WC-4 top 460-61467-7 8/15/2013 4/1 *	WC-4 bottom 460-61467-8 8/15/2013 4/1 *	SB-4 top 460-61467-9 8/15/2013 4/1 *	SB-4 bottom 460-61467-10 8/15/2013 4/1 *
Aluminum	**NS**	**NS**	12,100	9,840	NA	NA	7,320	8,900	NA	NA
Antimony	**NS**	**NS**	1.9 U	1.9 U	NA	NA	2.2 U	2.1 U	NA	NA
Arsenic	**13**	**16**	1.3	1.5	2.9	0.85 U	1.6	1.2	4.4	1.4
Barium	**350**	**400**	270	**576**	**1,010**	61.8	71.7	136	**722**	256
Beryllium	**7.2**	**72**	0.37 U	0.2 J	NA	NA	0.26 J	0.29 J	NA	NA
Cadmium	**2.5**	**4.3**	0.93 U	0.95 U	0.23 J	0.85 U	1.1 U	1.1 U	2.3	1 U
Calcium	**NS**	**NS**	12,800	24,600	NA	NA	7,180	12,200	NA	NA
Chromium	**30**	**180**	20.9	17.6	18.9	12	17.7	17.9	21	18
Chromium, hexavalent	**1**	**110**	2 U	**1.3** J	NA	NA	2.2 U	2.2 U	NA	NA
Cobalt	**NS**	**NS**	14.1	9.2 J	NA	NA	4.9 J	6.3 J	NA	NA
Copper	**50**	**270**	29.6	19.6	NA	NA	17.2	23.7	NA	NA
Cyanide	**27**	**27**	0.1 U	0.11 U	NA	NA	0.11 U	0.11 U	NA	NA
Iron	**NS**	**NS**	23,000	16,400	NA	NA	13,500	15,400	NA	NA
Lead	**63**	**400**	**198**	**493**	**810**	6	32	33	**345**	44
Magnesium	**NS**	**NS**	8,080	6,120	NA	NA	2,930	4,810	NA	NA
Manganese	**1,600**	**2,000**	188	209	NA	NA	197	232	NA	NA
Mercury	**0.18**	**0.81**	0.054	0.073	0.05	0.017 U	0.062	0.028	0.11	0.048
Nickel	**30**	**310**	29.8	22	NA	NA	13.6	16.6	NA	NA
Potassium	**NS**	**NS**	6,550	3,290	NA	NA	1,570	2,730	NA	NA
Selenium	**3.9**	**180**	1.9 U	1.9 U	1.1 J	1.7 U	2.2 U	2.1 U	2.1 U	2 U
Silver	**2**	**180**	0.39 J	0.42 J	0.5 J	0.48 J	2.2 U	2.1 U	2.1 U	2 U
Sodium	**NS**	**NS**	258 J	167 J	NA	NA	1,090 U	1,060 U	NA	NA
Sulfur	**NS**	**NS**	517 B	834 B	NA	NA	314	190	NA	NA
Thallium	**NS**	**NS**	1.9 U	1.9 U	NA	NA	2.2 U	2.1 U	NA	NA
Vanadium	**NS**	**NS**	28.7	24.1	NA	NA	22.8	25.4	NA	NA
Zinc	**109**	**10,000**	**240**	**315**	NA	NA	53.3	89.8	NA	NA

Notes: * = The dilution rate for Mercury is 1.
† = The dilution rate for Mercury is 2,
the rate for Lead is 40.

Table 3
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Metals

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	WC-5 top 460-61467-11 8/15/2013 4/1 *	WC-5 bottom 460-61467-12 8/15/2013 4/1 *	SB-5 top 460-61467-13 8/15/2013 4/1 *	SB-5 bottom 460-61467-14 8/15/2013 4/1 *	WC-6 top 460-61467-25 8/16/2013 4/1 *	WC-6 bottom 460-61467-26 8/16/2013 4/1 *	SB-6 top 460-61467-27 8/16/2013 4/1 *	SB-6 bottom 460-61467-28 8/16/2013 4/1 *
Aluminum	**NS**	**NS**	7,960	7,570	NA	NA	9,930	11,000	NA	NA
Antimony	**NS**	**NS**	2.1 U	2.2 U	NA	NA	2 U	2 U	NA	NA
Arsenic	**13**	**16**	4.8	1.7	1.8	1 U	2.9	3.2	3.3	2.9
Barium	**350**	**400**	**361**	168	338	166	113	124	**850**	125
Beryllium	**7.2**	**72**	0.24 J	0.31 J	NA	NA	0.3 J	0.31 J	NA	NA
Cadmium	**2.5**	**4.3**	0.15 J	1.1 U	0.23 J	1 U	0.26 J	0.36 J	0.47 J	0.33 J
Calcium	**NS**	**NS**	23,300	5,740	NA	NA	6,600	8,280	NA	NA
Chromium	**30**	**180**	13.3	18.3	22.1	**38.1**	15.3	19	11.1	**48.4**
Chromium, hexavalent	**1**	**110**	2.2 U	2.3 U	NA	NA	2.4 U	2.4 U	NA	NA
Cobalt	**NS**	**NS**	5.5 J	8 J	NA	NA	7.8 J	8.4 J	NA	NA
Copper	**50**	**270**	14.7	18.9	NA	NA	28.8	28	NA	NA
Cyanide	**27**	**27**	0.11 U	0.11 U	NA	NA	0.12 U	0.12 U	NA	NA
Iron	**NS**	**NS**	14,300	13,100	NA	NA	18,600	26,900	NA	NA
Lead	**63**	**400**	**224**	44	**113**	7	**64**	28	**440**	12
Magnesium	**NS**	**NS**	2,660	2,650	NA	NA	3,460	4,250	NA	NA
Manganese	**1,600**	**2,000**	470	208	NA	NA	309	638	NA	NA
Mercury	**0.18**	**0.81**	0.057	0.051	**0.43**	0.017 U	**0.21**	0.14	**0.35**	0.02 U
Nickel	**30**	**310**	11	13.2	NA	NA	14.9	17.1	NA	NA
Potassium	**NS**	**NS**	845 J	1,680	NA	NA	2,040	2,300	NA	NA
Selenium	**3.9**	**180**	2.1 U	2.2 U	2.3 U	2 U	1.3 J	2 U	2.1 U	2.1 U
Silver	**2**	**180**	2.1 U	2.2 U	2.3 U	2 U	2 U	2 U	0.22 J	2.1 U
Sodium	**NS**	**NS**	377 J	1,110 U	NA	NA	250 J	307 J	NA	NA
Sulfur	**NS**	**NS**	241	163	NA	NA	342	92.5	NA	NA
Thallium	**NS**	**NS**	2.1 U	2.2 U	NA	NA	2 U	2 U	NA	NA
Vanadium	**NS**	**NS**	22.3	25.1	NA	NA	20.1	25.1	NA	NA
Zinc	**109**	**10,000**	**176**	75.8	NA	NA	93.3	85.3	NA	NA

Notes: * = The dilution rate for Mercury is 1.
† = The dilution rate for Mercury is 2,
the rate for Lead is 40.

Table 3
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Metals

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	WC-7 top 460-61467-17 8/16/2013 4/1 *	WC-7 bottom 460-61467-18 8/16/2013 4/1 *	SB-7 top 460-61467-19 8/16/2013 4/1 *	SB-7 bottom 460-61467-20 8/16/2013 4/1 *	WC-8 top 460-61467-21 8/16/2013 4/1 *	WC-8 bottom 460-61467-22 8/16/2013 4/1 *	SB-8 top 460-61467-23 8/16/2013 4/1 *	SB-8 bottom 460-61467-24 8/16/2013 4/1 *
Aluminum	**NS**	**NS**	9,950	12,300	NA	NA	8,860	7,610	NA	NA
Antimony	**NS**	**NS**	2.2 U	2.3 U	NA	NA	2.1 U	2 U	NA	NA
Arsenic	**13**	**16**	8	2.4	12.7	2.4	2.8	5.5	**61.7**	1 U
Barium	**350**	**400**	185	109	**927**	104	**497**	**419**	**1,340**	143
Beryllium	**7.2**	**72**	0.34 J	0.36 J	NA	NA	0.19 J	0.2 J	NA	NA
Cadmium	**2.5**	**4.3**	0.19 J	1.1 U	1.2	0.97 J	0.34 J	0.46 J	0.94 J	0.28 J
Calcium	**NS**	**NS**	15,300	5,190	NA	NA	33,600	46,700	NA	NA
Chromium	**30**	**180**	21.3	24.2	20.6	9.6	21.4	14.5	18.8	22.8
Chromium, hexavalent	**1**	**110**	2.2 U	2.4 U	NA	NA	2.3 U	2.2 U	NA	NA
Cobalt	**NS**	**NS**	9 J	9.7 J	NA	NA	8.3 J	6.1 J	NA	NA
Copper	**50**	**270**	35.2	28	NA	NA	29.1	25	NA	NA
Cyanide	**27**	**27**	0.11 U	0.12 U	NA	NA	0.16	0.12	NA	NA
Iron	**NS**	**NS**	19,800	18,600	NA	NA	17,300	15,300	NA	NA
Lead	**63**	**400**	**106**	32	**599**	**190**	**347**	**400**	**643**	7
Magnesium	**NS**	**NS**	3,730	3,480	NA	NA	6,350	4,510	NA	NA
Manganese	**1,600**	**2,000**	379	523	NA	NA	399	298	NA	NA
Mercury	**0.18**	**0.81**	**0.31**	0.054	**0.38**	**0.36**	**0.36**	**0.25**	**0.29**	0.082
Nickel	**30**	**310**	17.4	22.3	NA	NA	21.6	14.4	NA	NA
Potassium	**NS**	**NS**	1,720	1,340	NA	NA	3,120	1,890	NA	NA
Selenium	**3.9**	**180**	2.2 U	2.3 U	2 U	2 U	2.1 U	2 U	2 U	2.1 U
Silver	**2**	**180**	2.2 U	2.3 U	0.6 J	2 U	2.1 U	2 U	0.25 J	2.1 U
Sodium	**NS**	**NS**	1,080 U	323 J	NA	NA	176 J	284 J	NA	NA
Sulfur	**NS**	**NS**	253	282	NA	NA	117	268	NA	NA
Thallium	**NS**	**NS**	2.2 U	2.3 U	NA	NA	2.1 U	2 U	NA	NA
Vanadium	**NS**	**NS**	27.1	28.6	NA	NA	27.1	23.6	NA	NA
Zinc	**109**	**10,000**	**132**	45.2	NA	NA	**269**	**258**	NA	NA

Notes: * = The dilution rate for Mercury is 1.
† = The dilution rate for Mercury is 2,
the rate for Lead is 40.

Table 3
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Metals

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	TS-1 460-61467-1 8/16/2013 4/1 *	TS-2 460-61467-2 8/16/2013 4/1 *	TS-3 460-61467-3 8/16/2013 4/1 *	TS-4 460-61467-4 8/16/2013 4/1 *	TS-5 460-61467-5 8/16/2013 4/1 *	TS-6 460-61467-6 8/16/2013 4/1 *
Aluminum	**NS**	**NS**	NA	NA	NA	NA	NA	NA
Antimony	**NS**	**NS**	NA	NA	NA	NA	NA	NA
Arsenic	**13**	**16**	**19.7**	8.5	11.6	**42.1**	**43**	**69.4**
Barium	**350**	**400**	200	146	134	102	75.2	**358**
Beryllium	**7.2**	**72**	NA	NA	NA	NA	NA	NA
Cadmium	**2.5**	**4.3**	0.51 J	0.8 J	0.34 J	0.87 J	1.5	0.44 J
Calcium	**NS**	**NS**	NA	NA	NA	NA	NA	NA
Chromium	**30**	**180**	20.4	26.1	29.8	**153**	**38.9**	23
Chromium, hexavalent	**1**	**110**	NA	NA	NA	NA	NA	NA
Cobalt	**NS**	**NS**	NA	NA	NA	NA	NA	NA
Copper	**50**	**270**	NA	NA	NA	NA	NA	NA
Cyanide	**27**	**27**	NA	NA	NA	NA	NA	NA
Iron	**NS**	**NS**	NA	NA	NA	NA	NA	NA
Lead	**63**	**400**	**192**	**174**	**174**	**681**	**320**	**282**
Magnesium	**NS**	**NS**	NA	NA	NA	NA	NA	NA
Manganese	**1,600**	**2,000**	NA	NA	NA	NA	NA	NA
Mercury	**0.18**	**0.81**	0.17	**0.3**	**0.22**	0.1	0.17	0.15
Nickel	**30**	**310**	NA	NA	NA	NA	NA	NA
Potassium	**NS**	**NS**	NA	NA	NA	NA	NA	NA
Selenium	**3.9**	**180**	2.1 U	2.3 U	2.2 U	2 U	2 U	2 U
Silver	**2**	**180**	2.1 U	0.23 J	2.2 U	2 U	2 U	2 U
Sodium	**NS**	**NS**	NA	NA	NA	NA	NA	NA
Sulfur	**NS**	**NS**	NA	NA	NA	NA	NA	NA
Thallium	**NS**	**NS**	NA	NA	NA	NA	NA	NA
Vanadium	**NS**	**NS**	NA	NA	NA	NA	NA	NA
Zinc	**109**	**10,000**	NA	NA	NA	NA	NA	NA

Notes: * = The dilution rate for Mercury is 1.
† = The dilution rate for Mercury is 2,
the rate for Lead is 40.

Table 4
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Metals - TCLP

Client ID Lab Sample ID Date Sampled Dilution µg/L	USEPA Hazardous Waste Criteria by TCLP µg/L	WC-1 top 460-61340-1 8/15/2013 5/1 *	WC-1 bottom 460-61340-2 8/15/2013 5/1 *	WC-2 top 460-61340-6 8/15/2013 5/1 *	WC-2 bottom 460-61340-7 8/15/2013 5/1 *	WC-3 top 460-61340-10 8/15/2013 5/1/10 †	WC-3 bottom 460-61340-11 8/15/2013 5/1 *	WC-4 top 460-61467-7 8/15/2013 5/1 *	WC-4 bottom 460-61467-8 8/15/2013 5/1 *
Arsenic	**5,000**	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Barium	**100,000**	700 J	911 J	698 J	547 J	**132,000**	425 J	891 J	551 J
Cadmium	**1,000**	4.2 J	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Chromium	**5,000**	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Lead	**5,000**	305	170	61.1	24.2 J	38.5	462	39.3	71.1
Mercury	**200**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	**1,000**	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Silver	**5,000**	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U

Notes: * = The dilution rate for Mercury is 1.
† = The dilution rate for Mercury is 1; the rate for Barium is 10.

Table 4
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Metals - TCLP

Client ID Lab Sample ID Date Sampled Dilution µg/L	USEPA Hazardous Waste Criteria by TCLP µg/L	WC-5 top 460-61467-11 8/15/2013 5/1 *	WC-5 bottom 460-61467-12 8/15/2013 5/1 *	WC-6 top 460-61467-25 8/16/2013 5/1 *	WC-6 bottom 460-61467-26 8/16/2013 5/1 *	WC-7 top 460-61467-17 8/16/2013 5/1 *	WC-7 bottom 460-61467-18 8/16/2013 5/1 *	WC-8 top 460-61467-21 8/16/2013 5/1 *	WC-8 bottom 460-61467-22 8/16/2013 5/1 *
Arsenic	**5,000**	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Barium	**100,000**	576 J	915 J	571 J	626 J	1,080	1,210	1,600	904 J
Cadmium	**1,000**	25 U	25 U	25 U	25 U	25 U	25 U	25 U	6.9 J
Chromium	**5,000**	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Lead	**5,000**	507	87.8	74.4	113	26.9	123	433	316
Mercury	**200**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	**1,000**	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Silver	**5,000**	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U

Notes: * = The dilution rate for Mercury is 1.
† = The dilution rate for Mercury is 1; the rate for Barium is 10.

Table 5
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Polychlorinated Biphenyls & Pesticides

Client ID Lab Sample ID Date Sampled Polychlorinated Biphenyls - µg/Kg	NYSDEC Part 375 Unrestricted SCO µg/Kg	NYSDEC Part 375 Restricted Residential SCO µg/Kg	WC-1 top 460-61340-1 8/15/2013	WC-1 bottom 460-61340-2 8/15/2013	SB-1 top 460-61340-3 8/15/2013	WC-2 top 460-61340-6 8/15/2013	WC-2 bottom 460-61340-7 8/15/2013	SB-2 top 460-61340-8 8/15/2013	WC-3 top 460-61340-10 8/15/2013	WC-3 bottom 460-61340-11 8/15/2013	SB-3 top 460-61340-12 8/15/2013
Aroclor 1016	**NS**	**NS**	78 U	76 U	77 U	80 U	75 U	80 U	70 U	72 U	79 U
Aroclor 1221	**NS**	**NS**	78 U	76 U	77 U	80 U	75 U	80 U	70 U	72 U	79 U
Aroclor 1232	**NS**	**NS**	78 U	76 U	77 U	80 U	75 U	80 U	70 U	72 U	79 U
Aroclor 1242	**NS**	**NS**	78 U	76 U	77 U	80 U	75 U	80 U	70 U	72 U	79 U
Aroclor 1248	**NS**	**NS**	78 U	76 U	77 U	80 U	75 U	80 U	70 U	72 U	79 U
Aroclor 1254	**NS**	**NS**	78 U	76 U	77 U	80 U	75 U	80 U	70 U	72 U	79 U
Aroclor 1260	**NS**	**NS**	78 U	76 U	77 U	80 U	75 U	80 U	70 U	72 U	79 U
Aroclor 1262	**NS**	**NS**	78 U	76 U	77 U	80 U	75 U	80 U	70 U	72 U	79 U
Aroclor 1268	**NS**	**NS**	78 U	76 U	77 U	80 U	75 U	80 U	70 U	72 U	79 U
Total PCBs	**100**	**1,000**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides - µg/Kg											
4,4'-DDD	**3.3**	**13,000**	7.9 U	7.6 U	7.7 U	8 U	7.5 U	8 U	7 U	7.2 U	7.9 U
4,4'-DDE	**3.3**	**8,900**	**11** p	7.6 U	7.7 U	8 U	7.5 U	8 U	7 U	7.2 U	7.9 U
4,4'-DDT	**3.3**	**7,900**	**41**	7.6 U	**8.4**	8 U	7.5 U	**14**	7 U	7.2 U	7.9 U
Aldrin	**5**	**97**	7.9 U	7.6 U	7.7 U	8 U	7.5 U	8 U	7 U	7.2 U	7.9 U
alpha-BHC	**20**	**480**	7.9 U	7.6 U	7.7 U	8 U	7.5 U	8 U	7 U	7.2 U	7.9 U
beta-BHC	**36**	**360**	7.9 U	7.6 U	7.7 U	8 U	7.5 U	8 U	7 U	7.2 U	7.9 U
Chlordane	**94**	**4,200**	79 U	76 U	77 U	80 U	75 U	80 U	70 U	72 U	79 U
delta-BHC	**40**	**100,000**	7.9 U	7.6 U	7.7 U	8 U	7.5 U	8 U	7 U	7.2 U	7.9 U
Dieldrin	**5**	**200**	7.9 U	7.6 U	7.7 U	8 U	7.5 U	8 U	7 U	7.2 U	7.9 U
Endosulfan I	**2,400**	**24,000**	7.9 U	7.6 U	7.7 U	8 U	7.5 U	8 U	7 U	7.2 U	7.9 U
Endosulfan II	**2,400**	**24,000**	7.9 U	7.6 U	7.7 U	8 U	7.5 U	8 U	7 U	7.2 U	7.9 U
Endosulfan sulfate	**2,400**	**24,000**	7.9 U	7.6 U	7.7 U	8 U	7.5 U	8 U	7 U	7.2 U	7.9 U
Endrin	**14**	**11,000**	7.9 U	7.6 U	7.7 U	8 U	7.5 U	8 U	7 U	7.2 U	7.9 U
Endrin aldehyde	**NS**	**NS**	7.9 U	7.6 U	7.7 U	8 U	7.5 U	8 U	7 U	7.2 U	7.9 U
Endrin ketone	**NS**	**NS**	7.9 U	7.6 U	7.7 U	8 U	7.5 U	8 U	7 U	7.2 U	7.9 U
gamma-BHC (Lindane)	**100**	**1,300**	7.9 U	7.6 U	7.7 U	8 U	7.5 U	8 U	7 U	7.2 U	7.9 U
Heptachlor	**42**	**2,100**	7.9 U	7.6 U	7.7 U	8 U	7.5 U	8 U	7 U	7.2 U	7.9 U
Heptachlor epoxide	**NS**	**NS**	7.9 U	7.6 U	7.7 U	8 U	7.5 U	8 U	7 U	7.2 U	7.9 U
Methoxychlor	**NS**	**NS**	7.9 U	7.6 U	7.7 U	8 U	7.5 U	8 U	7 U	7.2 U	7.9 U
Toxaphene	**NS**	**NS**	79 U	76 U	77 U	80 U	75 U	80 U	70 U	72 U	79 U

Table 5
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Polychlorinated Biphenyls & Pesticides

Client ID Lab Sample ID Date Sampled Polychlorinated Biphenyls - µg/Kg	NYSDEC Part 375 Unrestricted SCO µg/Kg	NYSDEC Part 375 Restricted Residential SCO µg/Kg	WC-4 top 460-61467-7 8/15/2013	WC-4 bottom 460-61467-8 8/15/2013	WC-5 top 460-61467-11 8/15/2013	WC-5 bottom 460-61467-12 8/15/2013	WC-6 top 460-61467-25 8/16/2013	WC-6 bottom 460-61467-26 8/16/2013	WC-7 top 460-61467-17 8/16/2013	WC-7 bottom 460-61467-18 8/16/2013
Aroclor 1016	**NS**	**NS**	73 U	74 U	76 U	75 U	79 U	80 U	74 U	79 U
Aroclor 1221	**NS**	**NS**	73 U	74 U	76 U	75 U	79 U	80 U	74 U	79 U
Aroclor 1232	**NS**	**NS**	73 U	74 U	76 U	75 U	79 U	80 U	74 U	79 U
Aroclor 1242	**NS**	**NS**	73 U	74 U	76 U	75 U	79 U	80 U	74 U	79 U
Aroclor 1248	**NS**	**NS**	73 U	74 U	76 U	75 U	79 U	80 U	74 U	79 U
Aroclor 1254	**NS**	**NS**	73 U	74 U	76 U	75 U	79 U	80 U	74 U	63 J
Aroclor 1260	**NS**	**NS**	73 U	74 U	76 U	75 U	79 U	80 U	74 U	79 U
Aroclor 1262	**NS**	**NS**	73 U	74 U	76 U	75 U	79 U	80 U	74 U	79 U
Aroclor 1268	**NS**	**NS**	73 U	74 U	76 U	75 U	79 U	80 U	74 U	79 U
Total PCBs	**100**	**1,000**	ND	ND	ND	ND	ND	ND	ND	63
Pesticides - µg/Kg										
4,4'-DDD	**3.3**	**13,000**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
4,4'-DDE	**3.3**	**8,900**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
4,4'-DDT	**3.3**	**7,900**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
Aldrin	**5**	**97**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
alpha-BHC	**20**	**480**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
beta-BHC	**36**	**360**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
Chlordane	**94**	**4,200**	73 U	74 U	77 U	75 U	79 U	80 U	74 U	79 U
delta-BHC	**40**	**100,000**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
Dieldrin	**5**	**200**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
Endosulfan I	**2,400**	**24,000**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
Endosulfan II	**2,400**	**24,000**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
Endosulfan sulfate	**2,400**	**24,000**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
Endrin	**14**	**11,000**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
Endrin aldehyde	**NS**	**NS**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
Endrin ketone	**NS**	**NS**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
gamma-BHC (Lindane)	**100**	**1,300**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
Heptachlor	**42**	**2,100**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
Heptachlor epoxide	**NS**	**NS**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
Methoxychlor	**NS**	**NS**	7.3 U	7.4 U	7.7 U	7.5 U	7.9 U	8 U	7.4 U	7.9 U
Toxaphene	**NS**	**NS**	73 U	74 U	77 U	75 U	79 U	80 U	74 U	79 U

Table 5
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Polychlorinated Biphenyls & Pesticides

Client ID Lab Sample ID Date Sampled Polychlorinated Biphenyls - µg/Kg	NYSDEC Part 375 Unrestricted SCO µg/Kg	NYSDEC Part 375 Restricted Residential SCO µg/Kg	WC-8 top 460-61467-21 8/16/2013	WC-8 bottom 460-61467-22 8/16/2013	TS-2 460-61467-2 8/16/2013	TS-4 460-61467-4 8/16/2013	TS-6 460-61467-6 8/16/2013
Aroclor 1016	**NS**	**NS**	76 U	74 U	79 U	70 U	70 U
Aroclor 1221	**NS**	**NS**	76 U	74 U	79 U	70 U	70 U
Aroclor 1232	**NS**	**NS**	76 U	74 U	79 U	70 U	70 U
Aroclor 1242	**NS**	**NS**	76 U	74 U	79 U	70 U	70 U
Aroclor 1248	**NS**	**NS**	76 U	74 U	79 U	70 U	70 U
Aroclor 1254	**NS**	**NS**	76 U	74 U	79 U	70 U	70 U
Aroclor 1260	**NS**	**NS**	76 U	74 U	79 U	70 U	70 U
Aroclor 1262	**NS**	**NS**	76 U	74 U	79 U	70 U	70 U
Aroclor 1268	**NS**	**NS**	76 U	74 U	79 U	70 U	70 U
Total PCBs	**100**	**1,000**	ND	ND	ND	ND	ND
Pesticides - µg/Kg							
4,4'-DDD	**3.3**	**13,000**	7.6 U	7.5 U	7.9 U	7 U	7 U
4,4'-DDE	**3.3**	**8,900**	7.6 U	7.5 U	**15**	7 U	7 U
4,4'-DDT	**3.3**	**7,900**	7.6 U	7.5 U	**30**	7 U	**12**
Aldrin	**5**	**97**	7.6 U	7.5 U	7.9 U	7 U	7 U
alpha-BHC	**20**	**480**	7.6 U	7.5 U	7.9 U	7 U	7 U
beta-BHC	**36**	**360**	7.6 U	7.5 U	7.9 U	7 U	7 U
Chlordane	**94**	**4,200**	76 U	75 U	79 U	70 U	70 U
delta-BHC	**40**	**100,000**	7.6 U	7.5 U	7.9 U	7 U	7 U
Dieldrin	**5**	**200**	7.6 U	7.5 U	7.9 U	7 U	7 U
Endosulfan I	**2,400**	**24,000**	7.6 U	7.5 U	7.9 U	7 U	7 U
Endosulfan II	**2,400**	**24,000**	7.6 U	7.5 U	7.9 U	7 U	7 U
Endosulfan sulfate	**2,400**	**24,000**	7.6 U	7.5 U	7.9 U	7 U	7 U
Endrin	**14**	**11,000**	7.6 U	7.5 U	7.9 U	7 U	7 U
Endrin aldehyde	**NS**	**NS**	7.6 U	7.5 U	7.9 U	7 U	7 U
Endrin ketone	**NS**	**NS**	7.6 U	7.5 U	7.9 U	7 U	7 U
gamma-BHC (Lindane)	**100**	**1,300**	7.6 U	7.5 U	7.9 U	7 U	7 U
Heptachlor	**42**	**2,100**	7.6 U	7.5 U	7.9 U	7 U	7 U
Heptachlor epoxide	**NS**	**NS**	7.6 U	7.5 U	7.9 U	7 U	7 U
Methoxychlor	**NS**	**NS**	7.6 U	7.5 U	7.9 U	7 U	7 U
Toxaphene	**NS**	**NS**	76 U	75 U	79 U	70 U	70 U

Table 6
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
General Chemistry

Client ID Lab Sample ID Date Sampled	Unit	WC-1 top 460-61340-1 8/15/2013	WC-1 bottom 460-61340-2 8/15/2013	WC-2 top 460-61340-6 8/15/2013	WC-2 bottom 460-61340-7 8/15/2013	WC-3 top 460-61340-10 8/15/2013	WC-3 bottom 460-61340-11 8/15/2013	WC-4 top 460-61467-7 8/15/2013	WC-4 bottom 460-61467-8 8/15/2013
Burn Rate	**mm/sec**	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	**SU**	8.62 HF	8.65 HF	7.8 HF	8.16 HF	9.37 HF	8.47 HF	8.41 HF	8.66 HF
Cyanide, Reactive	**µg/Kg**	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Paint Filter	**mL/100g**	0.50 U	NA	NA	NA	NA	NA	NA	NA
Total EPH (C9-C40)	**mg/Kg**	120	58	61	80	110	320	160	150
Sulfide, Reactive	**µg/Kg**	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U

Table 6
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Soil Analytical Results
General Chemistry

Client ID Lab Sample ID Date Sampled	Unit	WC-5 top 460-61467-11 8/15/2013	WC-5 bottom 460-61467-12 8/15/2013	WC-6 top 460-61467-25 8/16/2013	WC-6 bottom 460-61467-26 8/16/2013	WC-7 top 460-61467-17 8/16/2013	WC-7 bottom 460-61467-18 8/16/2013	WC-8 top 460-61467-21 8/16/2013	WC-8 bottom 460-61467-22 8/16/2013
Burn Rate	**mm/sec**	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Corrosivity	**SU**	6.78 HF	7.91 HF	8.89 HF	7.01 HF	8.57 HF	7.44 HF	8.71 HF	8.34 HF
Cyanide, Reactive	**µg/Kg**	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
Paint Filter	**mL/100g**	NA	NA	NA	NA	NA	NA	NA	NA
Total EPH (C9-C40)	**mg/Kg**	110	87	190	130	170	1,100	210	250
Sulfide, Reactive	**µg/Kg**	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U

Table 7
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Groundwater Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled µg/L	NYSDEC Class GA Ambient Standard µg/L	TW-1 460-61340-5 8/15/2013	TW-2 460-61467-15 8/15/2013	TB 460-61467-16 8/16/2013
1,1,1-Trichloroethane	5	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U
1,2-Dibromoethane	0.0006	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U
1,4-Dioxane	NS	50 U *	50 U	50 U
2-Butanone	50	5 U	5 U *	5 U *
2-Hexanone	50	5 U	5 U	5 U
4-Methyl-2-pentanone	NS	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U
Benzene	1	1 U	0.11 J	1 U
Bromochloromethane	5	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U
Carbon disulfide	60	1 U	1 U	1 U
Carbon tetrachloride	5	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U
cis-1,3-Dichloropropene	NS	1 U	1 U	1 U
Cyclohexane	NS	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U
Freon TF	NS	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U
m&p-Xylene	5	2 U	2 U	2 U
Methyl acetate	NS	2 U	2 U	2 U
Methylcyclohexane	NS	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U
MTBE	10	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U
Tetrachloroethene	5	1 U	1 U	1 U
Toluene	5	1 U	0.38 J	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U
trans-1,3-Dichloropropene	NS	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U
Vinyl chloride	2	1 U	1 U	1 U
Total VOCs	NS	ND	0.49	ND

Table 8
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Groundwater Analytical Results
Semivolatile Organic Compounds

Client ID Lab Sample ID Date Sampled µg/L	NYSDEC Class GA Ambient Standard µg/L	TW-1 460-61340-5 8/15/2013	TW-2 460-61467-15 8/15/2013
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U
2,2'-oxybis[1-chloropropane]	5	10 U	10 U
2,3,4,6-Tetrachlorophenol	NS	10 U *	10 U *
2,4,5-Trichlorophenol	NS	10 U *	10 U
2,4,6-Trichlorophenol	NS	10 U	10 U
2,4-Dichlorophenol	5	10 U	10 U
2,4-Dimethylphenol	50	10 U	10 U
2,4-Dinitrophenol	10	30 U	31 U
2,4-Dinitrotoluene	5	2 U	2.1 U
2,6-Dinitrotoluene	5	2 U	2.1 U
2-Chloronaphthalene	10	10 U	10 U
2-Chlorophenol	NS	10 U	10 U
2-Methylnaphthalene	NS	10 U	10 U
2-Methylphenol	NS	10 U	10 U
2-Nitroaniline	5	20 U	21 U
2-Nitrophenol	NS	10 U	10 U
3,3'-Dichlorobenzidine	5	20 U *	21 U *
3-Nitroaniline	5	20 U	21 U
4,6-Dinitro-2-methylphenol	NS	30 U	31 U
4-Bromophenyl phenyl ether	NS	10 U	10 U
4-Chloro-3-methylphenol	NS	10 U	10 U
4-Chloroaniline	5	1 U *	1 U *
4-Chlorophenyl phenyl ether	NS	10 U	10 U
4-Methylphenol	NS	10 U	10 U
4-Nitroaniline	5	20 U	21 U
4-Nitrophenol	NS	30 U *	31 U
Acenaphthene	20	10 U	10 U
Acenaphthylene	NS	10 U	10 U
Acetophenone	NS	10 U	10 U
Anthracene	50	10 U	10 U
Atrazine	7.5	10 U *	10 U *
Benzaldehyde	NS	10 U	10 U
Benzo[a]anthracene	0.002	1 U	1 U
Benzo[a]pyrene	ND	1 U	1 U
Benzo[b]fluoranthene	0.002	1 U	1 U
Benzo[g,h,i]perylene	NS	10 U	10 U
Benzo[k]fluoranthene	0.002	1 U	1 U
Bis(2-chloroethoxy)methane	5	10 U	10 U
Bis(2-chloroethyl)ether	1	1 U	1 U
Bis(2-ethylhexyl) phthalate	5	1.1 J	2.3 J
Butyl benzyl phthalate	50	10 U	10 U
Caprolactam	NS	10 U *	10 U *
Carbazole	NS	10 U	10 U
Chrysene	0.002	10 U	10 U
Dibenz(a,h)anthracene	NS	1 U	1 U
Dibenzofuran	NS	10 U	10 U
Diethyl phthalate	50	10 U	10 U
Dimethyl phthalate	50	10 U	10 U
Di-n-butyl phthalate	50	10 U	10 U
Di-n-octyl phthalate	50	10 U	10 U
Diphenyl	NS	10 U	10 U
Fluoranthene	50	10 U	10 U
Fluorene	50	10 U	10 U
Hexachlorobenzene	0.04	1 U	1 U
Hexachlorobutadiene	0.5	2 U	2.1 U
Hexachlorocyclopentadiene	5	10 U	10 U
Hexachloroethane	5	1 U	1 U
Indeno[1,2,3-cd]pyrene	0.002	1 U	1 U
Isophorone	50	10 U	10 U
Naphthalene	10	10 U	10 U
Nitrobenzene	0.4	1 U	1 U
N-Nitrosodi-n-propylamine	NS	1 U	1 U
N-Nitrosodiphenylamine	50	10 U	10 U
Pentachlorophenol	NS	30 U	31 U
Phenanthrene	50	10 U	10 U
Phenol	NS	10 U	10 U
Pyrene	50	10 U	10 U
Total SVOCs	NS	1.1	2.3

Table 9
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Groundwater Analytical Results
Metals - Total & Dissolved

Client ID Lab Sample ID Date Sampled Dilution Total Metals - µg/L	NYSDEC Class GA Ambient Standard µg/L	TW-1 460-61340-5 8/15/2013 2/1 * 	TW-2 460-61467-15 8/15/2013 5/1 *
Arsenic	**25**	**57.3**	**140**
Barium	**1,000**	**12,600**	**18,800**
Cadmium	**5**	**6.4** J	**12.5** J
Chromium	**50**	**1,210**	**1,170**
Lead	**25**	**7,160**	**6,780**
Mercury	**0.7**	**3.4**	**5.2**
Selenium	**10**	20 U	50 U
Silver	**50**	20 U	50 U

Dissolved Metals - µg/L

Dilution		1	1
Arsenic	**25**	5 U	5 U
Barium	**1,000**	226	67.3 J
Cadmium	**5**	5 U	5 U
Chromium	**50**	10 U	10 U
Lead	**25**	5 U	5 U
Mercury	**0.7**	0.2 U	0.18 J
Selenium	**10**	10 U	**19**
Silver	**50**	10 U	10 U

Note: * = The dilution rate for Mercury is 1.

Table 10
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Groundwater Analytical Results
Polychlorinated Biphenyls & Pesticides

Client ID Lab Sample ID Date Sampled Polychlorinated Biphenyls - µg/L	NYSDEC Class GA Ambient Standard µg/L	TW-1 460-61340-5 8/15/2013	TW-2 460-61467-15 8/15/2013
Aroclor 1016	**NS**	0.4 U *	0.4 U
Aroclor 1221	**NS**	0.4 U	0.4 U
Aroclor 1232	**NS**	0.4 U	0.4 U
Aroclor 1242	**NS**	0.4 U	0.4 U
Aroclor 1248	**NS**	0.4 U	0.4 U
Aroclor 1254	**NS**	0.4 U	0.4 U
Aroclor 1260	**NS**	0.4 U	0.4 U
Aroclor 1262	**NS**	0.4 U	0.4 U
Aroclor 1268	**NS**	0.4 U	0.4 U
Total PCBs	**0.09**	ND	ND

4,4'-DDD	**0.3**	**0.33**	0.05 U
4,4'-DDE	**0.2**	**0.31**	0.05 U
4,4'-DDT	**0.2**	**0.62**	0.05 U
Aldrin	**ND**	0.05 U	0.05 U
alpha-BHC	**0.01**	0.05 U	0.05 U
beta-BHC	**0.04**	0.05 U	0.05 U
Chlordane	**0.05**	0.5 U	0.5 U
delta-BHC	**0.04**	0.05 U	0.05 U
Dieldrin	**0.004**	0.05 U	0.05 U
Endosulfan I	**NS**	0.05 U	0.05 U
Endosulfan II	**NS**	0.05 U	0.05 U
Endosulfan sulfate	**NS**	0.05 U	0.05 U
Endrin	**ND**	0.05 U	0.05 U
Endrin aldehyde	**5**	0.05 U	0.05 U
Endrin ketone	**5**	0.05 U	0.05 U
gamma-BHC (Lindane)	**0.05**	0.05 U	0.05 U
Heptachlor	**0.04**	0.05 U	0.05 U
Heptachlor epoxide	**0.03**	0.05 U	0.05 U
Methoxychlor	**35**	0.05 U	0.05 U
Toxaphene	**0.06**	0.5 U	0.5 U

Tables 1-10
Jewish Home Lifecare
125 West 97th Street
New York, NY
Subsurface (Phase II) Investigation Analytical Results
Notes

GENERAL

NS :	No soil cleanup objective listed.
ND :	Not detected / no detect.
NA :	Not analyzed.
U :	The analyte was not detected at the indicated concentration.
*** :**	Laboratory Control Standard or Laboratory Control Standard Duplicate exceeds the control limits.
J :	The concentration given is an estimated value.
p :	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
B :	Compound was found in the blank and sample.
mm/sec :	millimeters/second.
H :	Sample was prepped or analyzed beyond the specified holding time.
HF :	Field parameter with a holding time of 15 minutes.

SOIL

Exceedences of Part 375 Unrestricted SCOs are highlighted in bold font.

Exceedences of Part 375 Restricted Residential SCOs are highlighted in gray.

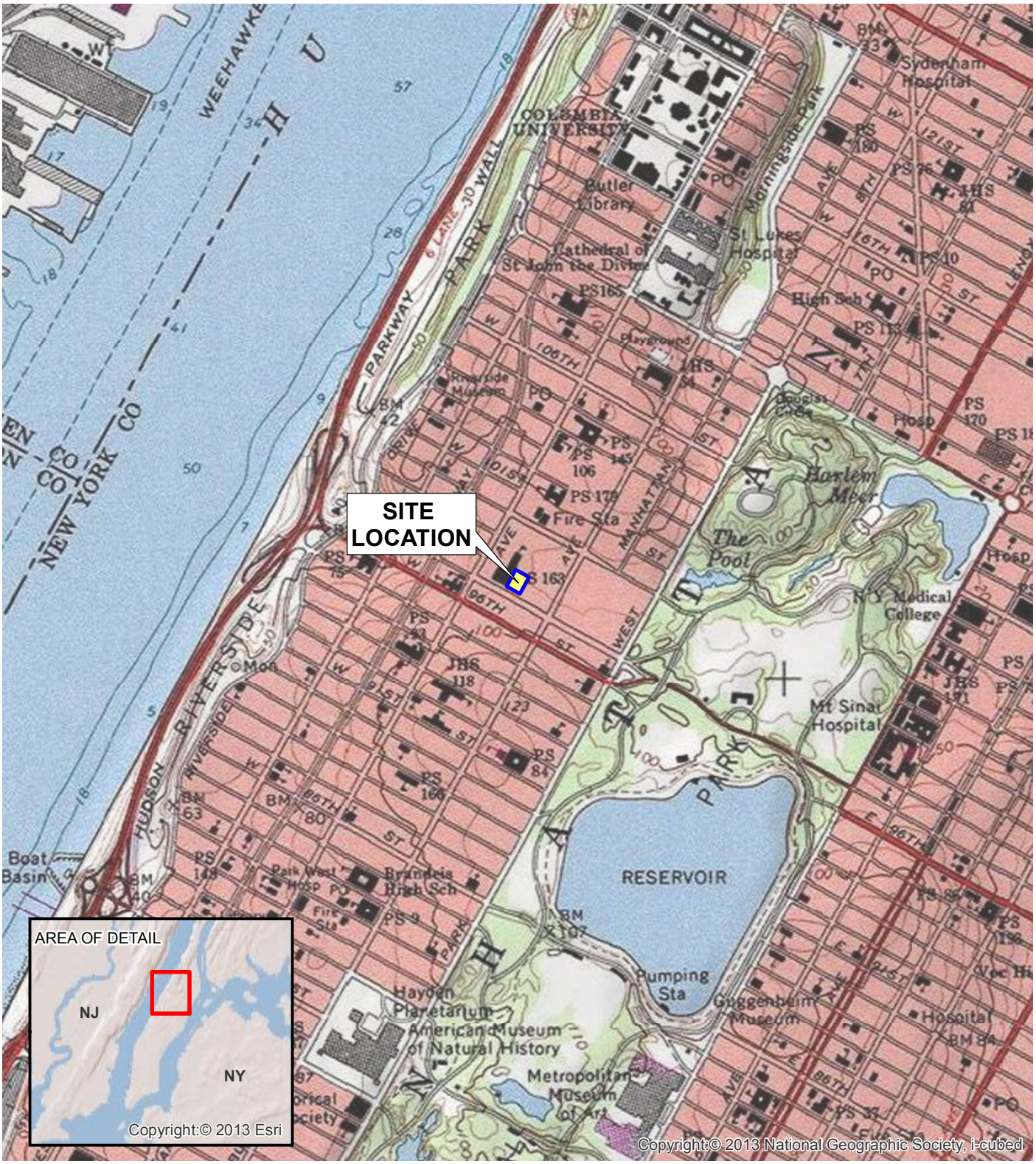
Part 375 Soil Cleanup Objectives :	Soil Clean-up Objectives listed in NYSDEC (New York State Department of Environmental Conservation) "Part 375" Regulations (6 NYCRR Part 375).
µg/kg :	micrograms per kilogram = parts per billion (ppb)
mg/kg :	milligrams per kilogram = parts per million (ppm)

GROUNDWATER

Exceedences of NYSDEC Class GA Ambient Standards are highlighted in bold font.

NYSDEC Class GA Ambient Standard :	New York State Department of Environmental Conservation Technical and Operational Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.
µg/L :	micrograms per Liter = parts per billion (ppb)

FIGURES



SOURCE
USGS 7.5 Minute Topographic Map
Central Pakr Quad 1995

0 1,000 2,000 Feet

Jewish Home Lifecare - 125 West 97th Street
New York, New York

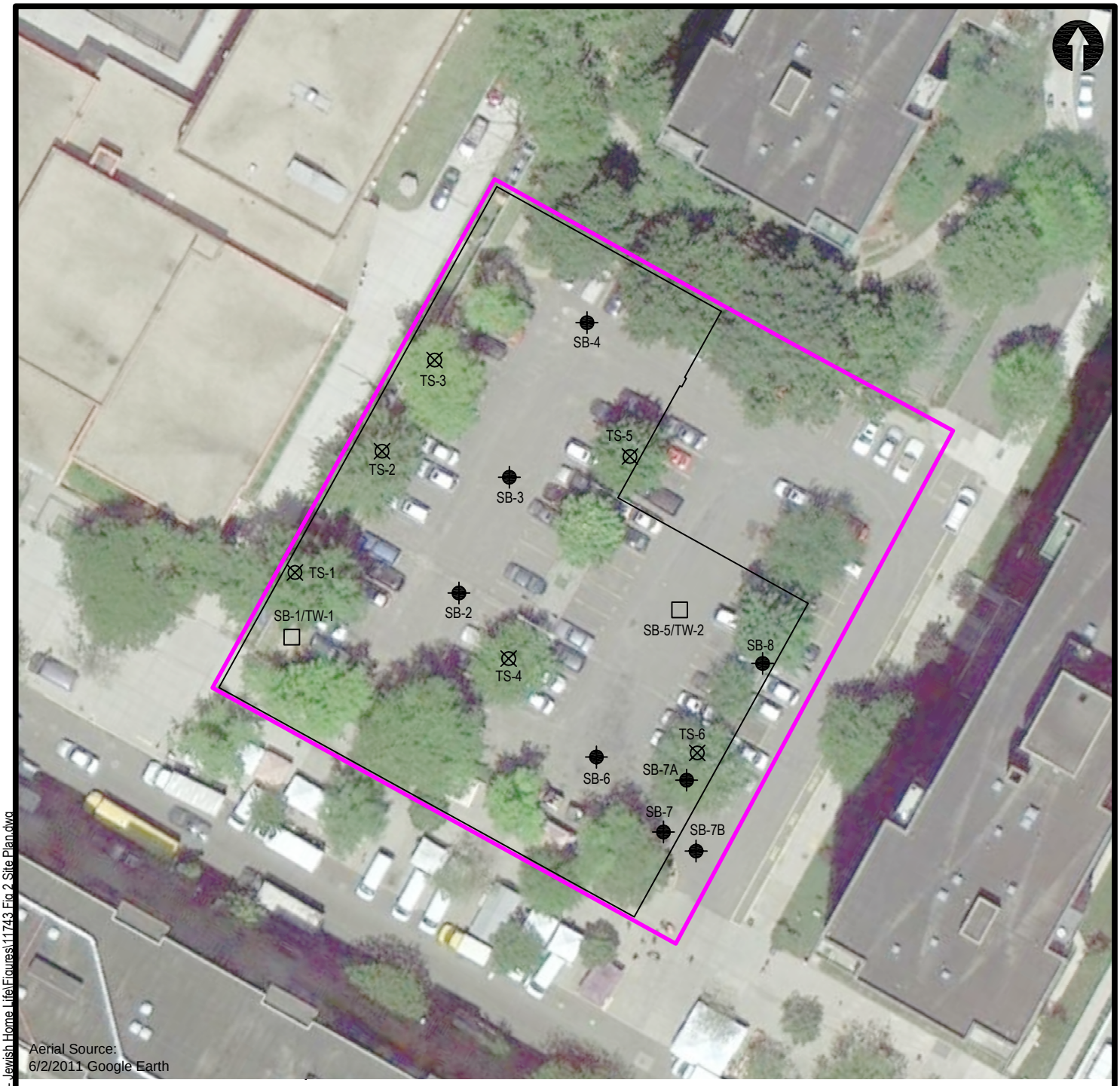
SITE LOCATION

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE
1/31/2014

PROJECT No.
11743

FIGURE
1



LEGEND:

- PROJECT SITE BOUNDARY
- PROPOSED CELLAR FOOTPRINT
- SB-2 — SOIL BORING SAMPLE
- TS-1 — TREE PIT SURFACE SAMPLE
- SB-1/TW-1 — SOIL BORING / GROUNDWATER SAMPLE

0' 25' 50' 100'

SCALE IN FEET

Jewish Home Lifecare

New York, New York

SITE PLAN

AKRF

Environmental Consultants

440 Park Avenue South, New York, N.Y. 10016

DATE 8.22.2013

PROJECT No. 11743

SCALE as shown

FIGURE 2

APPENDIX A
SAMPLING LOGS

SOIL BORING LOG

Jewish Home Life

AKRF Project Number: 11743

Boring No. **SB-1**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	**Zebra**
Sampler:	**A. Jordan**

Drilling

Start Time	10:38	**Finish Time**	10:51
Date	8/15/2013		
Weather:	Sunny, 72° F		

Depth (feet)	Recovery (Inches)	Surface Condition: ASPHALT	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	17	Top 7": ASPHALT (FILL).	ND	Dry	ND	ND	WC-1 Top
2							SB-1 Top
3		Bottom 10": White SAND, some Brick (FILL).	ND	Dry	ND	ND	
4							
5							
6	18	White SAND, some Brick (FILL).	ND	Dry	ND	ND	
7							
8							
9							
10							
11	57	Top 10": White SAND, some Brick (FILL).	ND	Dry	ND	ND	
12							
13		Bottom 47": Brown SAND, some Silt, trace Gravel (FILL).					
14							
15			ND	Moist @ 15'	ND	ND	
16	57	Top 12": BRICK, trace brown Sand (FILL).	ND	Moist	ND	ND	
17		Next 45": Brown SAND, some Silt, trace fine Gravel.	ND	Moist	ND	ND	WC-1 Bottom
18		Bottom 1": Weathered SCHIST.	ND	Wet @ 18'	ND	ND	SB-1 Bottom
19							TW-1
20							

Notes: End of boring at 20 feet below ground surface.

Groundwater encountered at 18' below grade.

PID = photoionization detector

ND = Not Detected

SOIL BORING LOG

Jewish Home Life

AKRF Project Number: 11743

Boring No. **SB-2**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY
Phone (212) 696-0670 Fax (212) 726-

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	**Zebra**
Sampler:	**A. Jordan**

Drilling

Start Time	13:12	**Finish Time**	13:35
Date	8/15/2013		
Weather:	Sunny, 75° F		

Depth (feet)	Recovery (Inches)	Surface Condition: ASPHALT	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	42	Top 9": ASPHALT (FILL).	ND	Dry	ND	ND	WC-1 Top
2							SB-2 Top
3		Bottom 33": Red- brown SAND, some Silt, trace fine Gravel, trace Schist (FILL).	ND	Dry	ND	ND	
4							
5							
6	49	Brown SAND, some Silt, trace fine Gravel, trace Asphalt (FILL).	ND	Dry	ND	ND	
7							
8							
9							
10							
11	42	Brown SAND, some Silt, trace fine Gravel, trace Asphalt trace Schist (FILL)	ND	Moist @ 12'	ND	ND	
12							
13							
14				Wet @ 14'			
15							
16	57	Top 56": Brown SAND, some Silt, some Mica (FILL).	ND	Wet	ND	ND	
17							
18		Bottom 1": Weathered SCHIST.	ND	Wet	ND	ND	WC-2 Bottom
19							SB-2 Bottom
20							

Notes: End of boring at 20 feet below ground surface.

Groundwater encountered at 14' below grade.

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

Jewish Home Life

AKRF Project Number: 11743

Boring No. **SB-3**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY
Phone (212) 696-0670 Fax (212) 726-

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	**Zebra**
Sampler:	**A. Jordan**

Drilling

Start Time	13:55	**Finish Time**	14:13
Date	8/15/2013		
Weather:	Sunny, 75° F		

Depth (feet)	Recovery (Inches)	Surface Condition: ASPHALT	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	38	Top 23": ASPHALT (FILL).	ND	Dry	ND	ND	WC-3 Top
2		Next 6": Brown SAND, some Brick (FILL).	ND	Dry	ND	ND	SB-3 Top
3		Bottom 9": BRICK (FILL).	ND	Dry	ND	ND	
4							
5							
6	42	Brown SAND, some Brick, trace fine Gravel, trace Weathered Schist(FILL).	ND	Dry	ND	ND	
7							
8							
9							
10							
11	33	Brown SAND, some Brick, trace fine Gravel, trace Weathered Schist (FILL).	ND	Dry	ND	ND	WC-3 Bottom
12							SB-3 Bottom
13		EOB @ 12' BGS due to refusal.					
14							
15							
16							
17							
18							
19							
20							

Notes: End of boring at 12 feet below ground surface due to refusal on suspected bedrock.

Groundwater not encountered.

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

Jewish Home Life

AKRF Project Number: 11743

Boring No. **SB-4**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY
Phone (212) 696-0670 Fax (212) 726-

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	**Zebra**
Sampler:	**A. Jordan**

Drilling

Start Time	13:12	**Finish Time**	13:35
Date	8/15/2013		
Weather:	Sunny, 75° F		

Depth (feet)	Recovery (Inches)	Surface Condition: ASPHALT	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	26	Top 10": ASPHALT (FILL).	ND	Dry	ND	ND	WC-4 Top
2							SB-4 Top
3		Bottom 16": BRICK, some brown Sand, some fine Gravel (FILL).	ND	Dry	ND	ND	
4							
5							
6	35	Brown SAND, some Schist, trace Brick (FILL).	ND	Dry	ND	ND	
7							
8							
9							
10							
11	35	Top 34": Brown SAND, some Schist, trace Brick (FILL).	ND	Dry	ND	ND	
12							
13							
14		Bottom 1": Weathered SCHIST.	ND	Dry	ND	ND	WC-4 Bottom
15							SB-4 Bottom
16		EOB @ 15' BGS due to refusal.					
17							
18							
19							
20							

Notes: End of boring at 15 feet below ground surface due to refusal on suspected bedrock.

Groundwater encountered at 14' below grade.

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

Jewish Home Life

AKRF Project Number: 11743

Boring No. **SB-5**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY
Phone (212) 696-0670 Fax (212) 726-

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	**Zebra**
Sampler:	**A. Jordan**

Drilling

Start Time	15:10	**Finish Time**	15:35
Date	8/15/2013		
Weather:	Sunny, 75° F		

Depth (feet)	Recovery (Inches)	Surface Condition: ASPHALT	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	35	Top 21": ASPHALT (FILL).	ND	Dry	ND	ND	WC-5 Top
2							SB-5 Top
3		Bottom 14": BRICK, trace brown Sand, trace fine Gravel, trace Schist (FILL).	ND	Dry	ND	ND	
4							
5							
6	48	Light brown SAND, some Silt, trace Clay, trace fine Gravel, trace Brick (FILL).	ND	Dry	ND	ND	
7							
8							
9							
10							
11	41	Light brown SAND, some Silt, trace Clay, trace fine Gravel, trace Brick (FILL).	ND	Dry	ND	ND	
12							
13							
14				Moist @ 15'			
15							
16	50	Top 48": Light brown SAND, some Silt, some Weathered Schist, trace Clay, trace Clay, trace Brick (FILL).	ND	Moist	ND	ND	
17				Wet @ 17'			TW-2
18							WC-5 Bottom
19		Bottom 1": Weathered SCHIST.	ND	Dry @ 19'	ND	ND	SB-5 Bottom
20							

Notes: End of boring at 20 feet below ground surface.

Groundwater encountered at 17' below grade.

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

Jewish Home Life

AKRF Project Number: 11743

Boring No. **SB-6**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY
Phone (212) 696-0670 Fax (212) 726-

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	**Zebra**
Sampler:	**A. Jordan**

Drilling

Start Time	11:00	**Finish Time**	11:25
Date	8/16/2013		
Weather:	Sunny, 73° F		

Depth (feet)	Recovery (Inches)	Surface Condition: ASPHALT	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	43	Top 10": ASPHALT (FILL).	ND	Dry	ND	ND	WC-6 Top
2							SB-6 Top
3		Bottom 33": Brown SAND, some Brick, some fine Gravel, trace Schist (FILL).	ND	Dry	ND	ND	
4							
5							
6	45	Top 13": Brown SAND, some Brick, some fine Gravel, trace Schist (FILL).	ND	Dry	ND	ND	
7							
8		Bottom 23": CLAY, trace brown Sand, trace fine Gravel. (FILL).	ND	Dry	ND	ND	
9							
10				Moist @ 10'			
11	43	Top 41": CLAY, trace brown Sand, trace fine Gravel (FILL).	ND	Moist	ND	ND	
12							
13		Bottom 2": Weathered SCHIST.	ND	Moist	ND	ND	WC-6 Top
14							SB-6 Bottom
15							
16		EOB @ 15' BGS.					
17							
18							
19							
20							

Notes: End of boring at 15 feet below ground surface due to refusal on suspected bedrock.

Groundwater not encountered.

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

Jewish Home Life

AKRF Project Number: 11743

Boring No. **SB-7**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	**Zebra**
Sampler:	**A. Jordan**

Drilling

Start Time	9:03	**Finish Time**	9:20
Date	8/16/2013		
Weather:	Sunny, 73° F		

Depth (feet)	Recovery (Inches)	Surface Condition: ASPHALT	Odor	Moisture	PPM	NAPL	Samples Collected for Lab Analysis
1	30	Top 12": ASPHALT (FILL).	ND	Dry	ND	ND	WC-7 Top
2							SB-7 Top
3		Bottom 18": BRICK, trace fine Gravel, trace brown Sand (FILL).	ND	Dry	ND	ND	
4							
5							
6	26	Top 24": BRICK (FILL).	ND	Dry	1.6	ND	
7					1.4		
8		Bottom 2": Black SAND (i.e. apparent staining), some fine Gravel, trace Mica (FILL).	Petroleum-Like	Dry	62.8	ND	
9					111		SB-7 Bottom
10							
11	43	Top 6": BRICK, some Ash, trace brown Sand (FILL).	Petroleum-Like	Dry	19.2	ND	
12		Next 25": Clay, some Silt, some brown Sand (FILL).		Dry	4.3	ND	
13							
14		Next 11": Brown SAND, some fine Gravel, trace Clay (FILL).		Dry	1.7	ND	WC-7 Bottom
15		Bottom 1": Weathered SCHIST.		Dry	1.3	ND	
16		EOB @ 15' BGS.					
17							
18							
19							
20							

Notes: **End of boring at 15 feet below ground surface due to refusal on suspected bedrock.**
Groundwater not encountered.

PID = photoionization detector PPM= parts per million ND = Not Detected

SOIL BORING LOG

Jewish Home Life

AKRF Project Number: 11743

Boring No. **SB-7A**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY
Phone (212) 696-0670 Fax (212) 726-

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	**Zebra**
Sampler:	**A. Jordan**

Drilling

Start Time	11:37	**Finish Time**	11:52
Date	8/16/2013		
Weather:	Sunny, 73° F		

Depth (feet)	Recovery (Inches)	Surface Condition: ASPHALT	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	30	Top 12": ASPHALT (FILL).	ND	Dry	ND	ND	
2							
3		Bottom 18": BRICK, trace fine Gravel, trace brown Sand (FILL).	ND	Dry	ND	ND	
4							
5							
6	20	Top 18": BRICK, trace brown Sand (FILL).	ND	Dry	ND	ND	
7							
8		Bottom 2": Black SAND, some fine Gravel, trace Mica (FILL).	ND	Dry	ND	ND	
9							
10							
11	43	Top 6": BRICK, some Ash, trace brown Sand (FILL).	ND	Dry	ND	ND	
12		Next 25": Clay, some Silt, some brown Sand (FILL).	ND	Dry	ND	ND	
13							
14		Next 11": Brown SAND, some fine Gravel, trace Clay (FILL).	ND	Dry	ND	ND	
15							
16		EOB @ 15' BGS.					
17							
18							
19							
20							

Notes: End of boring at 15 feet below ground surface due to refusal on suspected bedrock.

Groundwater not encountered.

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

Jewish Home Life

AKRF Project Number: 11743

Boring No. **SB-7B**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY
Phone (212) 696-0670 Fax (212) 726-

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	**Zebra**
Sampler:	**A. Jordan**

Drilling

Start Time	11:43	**Finish Time**	11:55
Date	8/16/2013		
Weather:	Sunny, 73° F		

Depth (feet)	Recovery (Inches)	Surface Condition: ASPHALT	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	13	Top 5": ASPHALT (FILL).	ND	Dry	ND	ND	
2							
3		Bottom 8": BRICK, trace brown Sand, trace fine Gravel (FILL).	ND	Dry	ND	ND	
4							
5							
6		EOB @ 5' due to refusal.					
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes: End of boring at 5 feet below ground surface due to refusal on suspected brick.

Groundwater not encountered.

PID = photoionization detector ND = Not Detected

SOIL BORING LOG

Jewish Home Life

AKRF Project Number: 11743

Boring No. **SB-8**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY
Phone (212) 696-0670 Fax (212) 726-

Drilling Method:	**Geoprobe**
Sampling Method:	**5' Macrocore**
Driller :	**Zebra**
Sampler:	**A. Jordan**

Drilling

Start Time	10:00	**Finish Time**	10:25
Date	8/16/2013		
Weather:	Sunny, 75° F		

Depth (feet)	Recovery (Inches)	Surface Condition: ASPHALT	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	19	Top 4": ASPHALT (FILL).	ND	Dry	ND	ND	WC-8 Top
2							SB-8 Top
3		Bottom 15": BRICK, some brown Sand, some Tree Roots (FILL).	ND	Dry	ND	ND	
4							
5							
6	19	Top 3": ASPHALT (FILL)	ND	Dry	ND	ND	
7							
8		Bottom 16": BRICK, some Concrete, some fine Gravel, trace Brick (FILL).	ND	Dry	ND	ND	
9							
10							
11	30						
12		Top 20": Brown SAND, some Brick, some fine Gravel, trace Tree Roots (FILL).	ND	Dry	ND	ND	
13							
14		Bottom 10": Weathered SCHIST.	ND	Dry	ND	ND	WC-8 Bottom
15							SB-8 Bottom
16		EOB @ 15' BGS.					
17							
18							
19							
20							

Notes: End of boring at 15 feet below ground surface due to refusal on suspected bedrock.

Groundwater not encountered.

PID = photoionization detector ND = Not Detected

APPENDIX B

LABORATORY ANALYSIS DATA SHEETS (CD)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-61340-1

Job Description: Jewish Home Lifecare 11743

For:
AKRF Inc
440 Park Avenue South
New York, NY 10016

Attention: Ms. Asya Bychkov

Melissa Haas

Approved for release.
Melissa Haas
Project Manager I
8/27/2013 9:47 AM

Melissa Haas, Project Manager I
128 Long Hill Cross Road, Shelton, CT, 06484
melissa.haas@testamericainc.com
08/27/2013
Revision: 1

cc: Amy Jordan

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

Job Number: 460-61340-1

Job Description: Jewish Home Lifecare 11743

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Melissa Haas

Approved for release.
Melissa Haas
Project Manager I
8/27/2013 9:47 AM

Melissa Haas

Table of Contents

CASE NARRATIVE

Client: AKRF Inc

Project: Jewish Home Lifecare 11743

Revised Report Number: 460-61340-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

A revision was issued on 8/27/13: The revision is required to the job narrative to remove the reference to method 6010RCP and to further explain QC failures.

RECEIPT

The samples were received on 8/15/2013 4:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 15.6º C and 15.6º C.

Except:

All samples from the following login were received at the laboratory outside the required temperature criteria: 460-61430-1 . Cooler was received at 15.6°C without ice. The client was notified on 8/16/13.

Method Moisture: The sample duplicate precision for the following sample associated with batch 176415 was outside control limits: (460-61340-13 DU) SB-3 Bottom.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

IGNITABILITY

Samples 460-61340-1, 460-61340-2, 460-61340-6, 460-61340-7, 460-61340-10 and 460-61340-11 were analyzed for Ignitability in accordance with EPA SW-846 Method 1030. The samples were analyzed on 08/20/2013.

No difficulties were encountered during the Ignitability analyses.

All quality control parameters were within the acceptance limits.

TCLP METALS

Samples 460-61340-1, 460-61340-2, 460-61340-6, 460-61340-7, 460-61340-10 and 460-61340-11 were analyzed for TCLP metals in accordance with EPA SW-846 Methods 1311/ 6010B. The samples were leached on 08/18/2013, prepared on 08/19/2013 and analyzed on 08/19/2013 and 08/20/2013.

Sample 460-61340-10(10X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

As a standard practice all TCLP samples are diluted 5X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

No difficulties were encountered during the TCLP metals analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS

Samples 460-61340-1 through 460-61340-4 and 460-61340-6 through 460-61340-13 were analyzed for total metals in accordance with

EPA SW-846 Method 6010B. The samples were prepared on 08/16/2013 and analyzed on 08/17/2013 and 08/18/2013.

The matrix spike(MS) recoveries for magnesium, antimony in batch 176602 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Refer to the QC report for details.

The following sample(s) was diluted due to the abundance of non-target analytes: TW-1 (460-61340-5). aluminum, calcium, iron, potassium, manganese, sodium, silicon. Elevated reporting limits (RLs) are provided.

As a standard practice all soil samples and related QC samples (i.e., MB, LCS, Dup, MS, SD) are diluted 2X-4X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

Samples 460-61340-1 through 460-61340-4(4X), 460-61340-6 through 460-61340-8(4X), 460-61340-8(40X) and 460-61340-9 through 460-61340-13(4X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

METALS (Sulfur)
Samples 460-61340-1, 460-61340-2, 460-61340-6, 460-61340-7, 460-61340-10 and 460-61340-11 were analyzed for Sulfur in accordance with EPA SW-846 Method 6010B. The samples were prepared on 08/20/2013 and analyzed on 08/21/2013.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 101208 were outside control limits for Sulfur. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Refer to the QC report for details.

No other difficulties were encountered during the Metals Sulfur analyses.

All other quality control parameters were within the acceptance limits.

DISSOLVED METALS
Sample 460-61340-5 was analyzed for Dissolved metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 08/18/2013 and analyzed on 08/21/2013.

No difficulties were encountered during the dissolved metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS
Sample 460-61340-5 was analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 08/16/2013.

Sample 460-61340-5(2X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM
Samples 460-61340-1, 460-61340-2, 460-61340-6, 460-61340-7, 460-61340-10 and 460-61340-11 were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 3060A/7196A. The samples were prepared on 08/19/2013 and analyzed on 08/19/2013 and 08/20/2013.

The matrix spike soluble (MSS) recovery for batch 176842 was outside control limits due to sample matrix. The samples will be reprepared and reanalyzed, as per the method. The associated laboratory control sample (LCSS/LCSI) recoveries met acceptance criteria. Both sets of data have been reported.

The matrix spike soluble/matrix spike insoluble (MSS/MSI) recoveries for batch 177022, which is a re-prep of batch 176842, were outside control limits due to sample matrix. The associated laboratory control sample (LCSS/LCSI) recoveries met acceptance criteria. Both sets of data have been reported.

No other difficulties were encountered during the hexchrome Cr6 analyses.

All other quality control parameters were within the acceptance limits.

TCLP MERCURY

Samples 460-61340-1, 460-61340-2, 460-61340-6, 460-61340-7, 460-61340-10 and 460-61340-11 were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 08/18/2013, and prepared and analyzed on 08/19/2013.

No difficulties were encountered during the TCLP mercury analyses.

All quality control parameters were within the acceptance limits.

DISSOLVED MERCURY
Sample 460-61340-5 was analyzed for dissolved mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 08/16/2013.

No difficulties were encountered during the dissolved mercury analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY
Sample 460-61340-5 was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 08/16/2013.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples 460-61340-1 through 460-61340-4 and 460-61340-6 through 460-61340-13 were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 08/16/2013.

Sample 460-61340-8(2X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Hg analyses.

All other quality control parameters were within the acceptance limits.

ORGANOCHLORINE PESTICIDES
Samples 460-61340-1 through 460-61340-3, 460-61340-6 through 460-61340-8 and 460-61340-10 through 460-61340-12 were analyzed for organochlorine pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared and analyzed on 08/16/2013.

SurrogateDCB recovery for the following sample(s) was outside the upper control limit on the primary columnSB-3 top (460-61340-12), WC-1 bottom (460-61340-2), WC-2 bottom (460-61340-7). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Surrogate DCB recovery was outside the control limits on the primary column but within limits on the secondary. Results were reported from the secondary column.Sb-2 top (460-61340-8)

Refer to the QC report for details.

No other difficulties were encountered during the pesticides analyses.

All other quality control parameters were within the acceptance limits.

ORGANOCHLORINE PESTICIDES
Sample 460-61340-5 was analyzed for organochlorine pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared on 08/17/2013 and analyzed on 08/21/2013.

No difficulties were encountered during the pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS
Samples 460-61340-1 through 460-61340-3, 460-61340-6 through 460-61340-8 and 460-61340-10 through 460-61340-12 were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082. The samples were prepared and analyzed on 08/16/2013.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 176445 were outside control limits for Aroclor 1016. The associated laboratory control sample (LCS) recovery met acceptance criteria.

The closing calibration verification (CCV) for analytical batch 176479 exceeded control criteria for Aroclor 1260 and DCB Surrogate on the primary column but within control limit on the secondary column. The data have been reported form secondary column.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 176654 recovered outside control limits for the following analytes Aroclor 1016 and Aroclor 1260. (LCSD 460-176654/3-A)

Refer to the QC report for details.

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)
Sample 460-61340-5 was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 08/17/2013 and analyzed on 08/22/2013.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 176654 recovered outside control limits for the following analytes Aroclor 1016 and Aroclor 1260. (LCSD 460-176654/3-A).

Refer to the QC report for details.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples 460-61340-1, 460-61340-2, 460-61340-6, 460-61340-7, 460-61340-10 and 460-61340-11 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 08/16/2013 and analyzed on 08/17/2013 and 08/18/2013.

Acetone was detected in method blank MB 460-176628/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample 460-61340-5 was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 08/21/2013.

The laboratory control sample (LCS) for batch 177286 recovered outside control limits for the following analyte: 1,4-Dioxane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries and / or precision recoveries for batch 177286 were outside control limits for several analytes. The associated laboratory control sample (LCS) recovery met acceptance criteria except for 1,4-Dioxane. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples 460-61340-1 through 460-61340-3, 460-61340-6 through 460-61340-8 and 460-61340-10 through 460-61340-12 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 08/16/2013 and analyzed on 08/19/2013 and 08/20/2013.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 176474 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch 176507 recovered outside control limits for the following analytes: 2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol, 3,3'-Dichlorobenzidine, 4-Chloroaniline, 4-Nitrophenol, Atrazine and/or Caprolactam.
These analytes were not detected in the associated samples.

Refer to the QC report for details.

Samples 460-61340-1(2X) and 460-61340-3(2X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample 460-61340-5 was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 08/16/2013 and analyzed on 08/22/2013.

The following sample contained one base surrogate outside acceptance limits: TW-1 (460-61340-5). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

TOTAL CYANIDE
Samples 460-61340-1, 460-61340-2, 460-61340-6, 460-61340-7, 460-61340-10 and 460-61340-11 were analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared and analyzed on 08/16/2013.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 176512 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other difficulties were encountered during the cyanide analyses.

All other quality control parameters were within the acceptance limits.

REACTIVE CYANIDE
Samples 460-61340-1, 460-61340-2, 460-61340-6, 460-61340-7, 460-61340-10 and 460-61340-11 were analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3/9014. The samples were prepared and analyzed on 08/20/2013.

No difficulties were encountered during the reactive cyanide analyses.

All quality control parameters were within the acceptance limits.

REACTIVE SULFIDE
Samples 460-61340-1, 460-61340-2, 460-61340-6, 460-61340-7, 460-61340-10 and 460-61340-11 were analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4/9034. The samples were prepared and analyzed on 08/20/2013.

No difficulties were encountered during the reactive sulfide analyses.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)
Samples 460-61340-1, 460-61340-2, 460-61340-6, 460-61340-7, 460-61340-10 and 460-61340-11 were analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045C. The samples were analyzed on 08/20/2013.

This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample(s) has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: WC-1 bottom (460-61340-2), WC-1 top (460-61340-1), WC-2 bottom (460-61340-7), WC-2 top (460-61340-6), WC-3 bottom (460-61340-11), WC-3 top (460-61340-10)

No difficulties were encountered during the corrosivity (pH) analyses.

All quality control parameters were within the acceptance limits.

PAINT FILTER
Sample 460-61340-1 was analyzed for Paint Filter in accordance with EPA SW-846 Method 9095B. The samples were analyzed on 08/21/2013.

No difficulties were encountered during the Free Liquids analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples 460-61340-1 through 460-61340-4 and 460-61340-6 through 460-61340-13 were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D). The samples were analyzed on 08/15/2013.

Percent Moisture exceeded the rpd limit for the duplicate of sample 460-61340-13. Refer to the QC report for details.

No other difficulties were encountered during the %solids/moisture analyses.

All other quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH)

Samples 460-61340-1, 460-61340-2, 460-61340-6, 460-61340-7, 460-61340-10 and 460-61340-11 were analyzed for extractable petroleum hydrocarbons (EPH) in accordance with NJDEP EPH. The samples were prepared on 08/16/2013 and 08/19/2013 and analyzed on 08/19/2013 and 08/20/2013.

No difficulties were encountered during the NJEPH analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61340-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61340-1	**WC-1 TOP**					
Methylene Chloride		2.2		1.0	ug/Kg	8260B
Naphthalene		94	J	770	ug/Kg	8270C
Acenaphthylene		630	J	770	ug/Kg	8270C
Dibenzofuran		240	J	770	ug/Kg	8270C
Fluorene		470	J	770	ug/Kg	8270C
Fluoranthene		5900		770	ug/Kg	8270C
Anthracene		1000		770	ug/Kg	8270C
Carbazole		240	J	770	ug/Kg	8270C
Phenanthrene		4000		770	ug/Kg	8270C
Pyrene		6500		770	ug/Kg	8270C
Chrysene		4000		770	ug/Kg	8270C
Benzo[k]fluoranthene		1600		77	ug/Kg	8270C
Benzo[g,h,i]perylene		2100		770	ug/Kg	8270C
Benzo[b]fluoranthene		4200		77	ug/Kg	8270C
Benzo[a]pyrene		3400		77	ug/Kg	8270C
Benzo[a]anthracene		3900		77	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		410	J	770	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		2100		77	ug/Kg	8270C
Dibenz(a,h)anthracene		560		77	ug/Kg	8270C
4,4'-DDE		11	p	7.9	ug/Kg	8081A
4,4'-DDT		41		7.9	ug/Kg	8081A
Total EPH (C9-C40)		120		2.3	mg/Kg	NJDEP EPH
Aluminum		9110		43.5	mg/Kg	6010B
Sulfur		755	B	59.3	mg/Kg	6010B
Arsenic		6.5		1.1	mg/Kg	6010B
Barium		891		43.5	mg/Kg	6010B
Beryllium		0.35	J	0.43	mg/Kg	6010B
Cadmium		0.47	J	1.1	mg/Kg	6010B
Calcium		53800		1090	mg/Kg	6010B
Chromium		14.5		2.2	mg/Kg	6010B
Cobalt		5.0	J	10.9	mg/Kg	6010B
Copper		36.5		5.4	mg/Kg	6010B
Iron		15600		32.6	mg/Kg	6010B
Lead		1110		1.1	mg/Kg	6010B
Magnesium		4470		1090	mg/Kg	6010B
Manganese		328		3.3	mg/Kg	6010B
Nickel		13.1		8.7	mg/Kg	6010B
Potassium		1360		1090	mg/Kg	6010B
Silver		0.58	J	2.2	mg/Kg	6010B
Sodium		929	J	1090	mg/Kg	6010B
Vanadium		40.7		10.9	mg/Kg	6010B
Zinc		546		6.5	mg/Kg	6010B
Mercury		0.84		0.020	mg/Kg	7471A
Cyanide, Total		0.49		0.12	mg/Kg	9012A
pH		8.62	HF		SU	9045C
Corrosivity		8.62	HF		SU	9045C

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61340-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Percent Moisture		14.8		1.0	%	Moisture
Percent Solids		85.2		1.0	%	Moisture
TCLP						
Barium		700	J	1000	ug/L	6010B
Cadmium		4.2	J	25.0	ug/L	6010B
Lead		305		25.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61340-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61340-2	**WC-1 BOTTOM**					
Fluoranthene		65	J	370	ug/Kg	8270C
Phenanthrene		49	J	370	ug/Kg	8270C
Pyrene		74	J	370	ug/Kg	8270C
Chrysene		58	J	370	ug/Kg	8270C
Benzo[k]fluoranthene		29	J	37	ug/Kg	8270C
Benzo[g,h,i]perylene		55	J	370	ug/Kg	8270C
Benzo[b]fluoranthene		68		37	ug/Kg	8270C
Benzo[a]pyrene		59		37	ug/Kg	8270C
Benzo[a]anthracene		51		37	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		160	J	370	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		58		37	ug/Kg	8270C
Dibenz(a,h)anthracene		16	J	37	ug/Kg	8270C
Total EPH (C9-C40)		58		2.3	mg/Kg	NJDEP EPH
Aluminum		7710		36.0	mg/Kg	6010B
Sulfur		358	B	55.3	mg/Kg	6010B
Barium		117		36.0	mg/Kg	6010B
Beryllium		0.18	J	0.36	mg/Kg	6010B
Calcium		5030		900	mg/Kg	6010B
Chromium		22.9		1.8	mg/Kg	6010B
Cobalt		7.2	J	9.0	mg/Kg	6010B
Copper		35.4		4.5	mg/Kg	6010B
Iron		12500		27.0	mg/Kg	6010B
Lead		42.3		0.90	mg/Kg	6010B
Magnesium		3220		900	mg/Kg	6010B
Manganese		337		2.7	mg/Kg	6010B
Nickel		14.6		7.2	mg/Kg	6010B
Potassium		2240		900	mg/Kg	6010B
Silver		0.30	J	1.8	mg/Kg	6010B
Sodium		327	J	900	mg/Kg	6010B
Vanadium		23.0		9.0	mg/Kg	6010B
Zinc		73.0		5.4	mg/Kg	6010B
Mercury		0.060		0.018	mg/Kg	7471A
pH		8.65	HF		SU	9045C
Corrosivity		8.65	HF		SU	9045C
Percent Moisture		11.8		1.0	%	Moisture
Percent Solids		88.2		1.0	%	Moisture
TCLP						
Barium		911	J	1000	ug/L	6010B
Lead		170		25.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61340-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61340-3	**SB-1 TOP**					
Acenaphthylene		470	J	760	ug/Kg	8270C
Fluoranthene		4200		760	ug/Kg	8270C
Anthracene		330	J	760	ug/Kg	8270C
Carbazole		450	J	760	ug/Kg	8270C
Phenanthrene		2500		760	ug/Kg	8270C
Pyrene		4600		760	ug/Kg	8270C
Chrysene		3400		760	ug/Kg	8270C
Benzo[k]fluoranthene		1700		76	ug/Kg	8270C
Benzo[g,h,i]perylene		2600		760	ug/Kg	8270C
Benzo[b]fluoranthene		4500		76	ug/Kg	8270C
Benzo[a]pyrene		3000		76	ug/Kg	8270C
Benzo[a]anthracene		2900		76	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		2400		76	ug/Kg	8270C
Dibenz(a,h)anthracene		570		76	ug/Kg	8270C
4,4'-DDT		8.4		7.7	ug/Kg	8081A
Arsenic		8.2		0.96	mg/Kg	6010B
Barium		1300		38.6	mg/Kg	6010B
Cadmium		2.1		0.96	mg/Kg	6010B
Chromium		155		1.9	mg/Kg	6010B
Lead		1830		0.96	mg/Kg	6010B
Selenium		1.8	J	1.9	mg/Kg	6010B
Silver		0.61	J	1.9	mg/Kg	6010B
Mercury		0.78		0.019	mg/Kg	7471A
Percent Moisture		12.9		1.0	%	Moisture
Percent Solids		87.1		1.0	%	Moisture
460-61340-4	**SB-1 BOTTOM**					
Barium		64.1		36.8	mg/Kg	6010B
Chromium		15.1		1.8	mg/Kg	6010B
Lead		11.3		0.92	mg/Kg	6010B
Silver		0.40	J	1.8	mg/Kg	6010B
Percent Moisture		11.0		1.0	%	Moisture
Percent Solids		89.0		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61340-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61340-5	**TW-1**					
Bis(2-ethylhexyl) phthalate		1.1	J	10	ug/L	8270C
4,4'-DDD		0.33		0.050	ug/L	8081A
4,4'-DDE		0.31		0.050	ug/L	8081A
4,4'-DDT		0.62		0.050	ug/L	8081A
Arsenic		57.3		10.0	ug/L	6010B
Barium		12600		400	ug/L	6010B
Cadmium		6.4	J	10.0	ug/L	6010B
Chromium		1210		20.0	ug/L	6010B
Lead		7160		10.0	ug/L	6010B
Mercury		3.4		0.20	ug/L	7470A
Dissolved						
Barium		226		200	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61340-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61340-6	**WC-2 TOP**					
Fluoranthene		95	J	400	ug/Kg	8270C
Phenanthrene		55	J	400	ug/Kg	8270C
Pyrene		100	J	400	ug/Kg	8270C
Chrysene		79	J	400	ug/Kg	8270C
Benzo[g,h,i]perylene		48	J	400	ug/Kg	8270C
Benzo[b]fluoranthene		77		40	ug/Kg	8270C
Benzo[a]pyrene		75		40	ug/Kg	8270C
Benzo[a]anthracene		68		40	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		340	J	400	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		37	J	40	ug/Kg	8270C
Dibenz(a,h)anthracene		13	J	40	ug/Kg	8270C
Total EPH (C9-C40)		61		2.4	mg/Kg	NJDEP EPH
Aluminum		13100		42.1	mg/Kg	6010B
Sulfur		83.7	B	59.4	mg/Kg	6010B
Arsenic		5.0		1.1	mg/Kg	6010B
Barium		78.6		42.1	mg/Kg	6010B
Beryllium		0.34	J	0.42	mg/Kg	6010B
Calcium		1590		1050	mg/Kg	6010B
Chromium		19.1		2.1	mg/Kg	6010B
Cobalt		6.4	J	10.5	mg/Kg	6010B
Copper		42.4		5.3	mg/Kg	6010B
Iron		21800		31.6	mg/Kg	6010B
Lead		201		1.1	mg/Kg	6010B
Magnesium		3330		1050	mg/Kg	6010B
Manganese		215		3.2	mg/Kg	6010B
Nickel		17.2		8.4	mg/Kg	6010B
Potassium		1620		1050	mg/Kg	6010B
Selenium		2.3		2.1	mg/Kg	6010B
Silver		0.54	J	2.1	mg/Kg	6010B
Vanadium		25.8		10.5	mg/Kg	6010B
Zinc		87.0		6.3	mg/Kg	6010B
Mercury		0.23		0.020	mg/Kg	7471A
pH		7.80	HF		SU	9045C
Corrosivity		7.80	HF		SU	9045C
Percent Moisture		16.7		1.0	%	Moisture
Percent Solids		83.3		1.0	%	Moisture
TCLP						
Barium		698	J	1000	ug/L	6010B
Lead		61.1		25.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61340-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61340-7	**WC-2 BOTTOM**					
Benzo[b]fluoranthene		13	J	37	ug/Kg	8270C
Benzo[a]pyrene		13	J	37	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		170	J	370	ug/Kg	8270C
Total EPH (C9-C40)		80		2.2	mg/Kg	NJDEP EPH
Aluminum		8440		33.1	mg/Kg	6010B
Sulfur		115	B	54.2	mg/Kg	6010B
Barium		75.1		33.1	mg/Kg	6010B
Beryllium		0.19	J	0.33	mg/Kg	6010B
Calcium		1940		828	mg/Kg	6010B
Chromium		18.3		1.7	mg/Kg	6010B
Cobalt		11.0		8.3	mg/Kg	6010B
Copper		36.5		4.1	mg/Kg	6010B
Iron		17200		24.8	mg/Kg	6010B
Lead		20.2		0.83	mg/Kg	6010B
Magnesium		3750		828	mg/Kg	6010B
Manganese		247		2.5	mg/Kg	6010B
Nickel		17.5		6.6	mg/Kg	6010B
Potassium		3290		828	mg/Kg	6010B
Selenium		1.1	J	1.7	mg/Kg	6010B
Silver		0.36	J	1.7	mg/Kg	6010B
Sodium		221	J	828	mg/Kg	6010B
Vanadium		23.9		8.3	mg/Kg	6010B
Zinc		36.8		5.0	mg/Kg	6010B
pH		8.16	HF		SU	9045C
Corrosivity		8.16	HF		SU	9045C
Percent Moisture		11.2		1.0	%	Moisture
Percent Solids		88.8		1.0	%	Moisture
TCLP						
Barium		547	J	1000	ug/L	6010B
Lead		24.2	J	25.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61340-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61340-8	**SB-2 TOP**					
Naphthalene		53	J	390	ug/Kg	8270C
Acenaphthylene		140	J	390	ug/Kg	8270C
Fluorene		58	J	390	ug/Kg	8270C
Fluoranthene		1800		390	ug/Kg	8270C
Di-n-butyl phthalate		63	J	390	ug/Kg	8270C
Anthracene		160	J	390	ug/Kg	8270C
Carbazole		120	J	390	ug/Kg	8270C
Phenanthrene		1100		390	ug/Kg	8270C
Pyrene		1900		390	ug/Kg	8270C
Chrysene		1400		390	ug/Kg	8270C
Benzo[k]fluoranthene		640		39	ug/Kg	8270C
Benzo[g,h,i]perylene		750		390	ug/Kg	8270C
Benzo[b]fluoranthene		1500		39	ug/Kg	8270C
Benzo[a]pyrene		1200		39	ug/Kg	8270C
Benzo[a]anthracene		1000		39	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		730		39	ug/Kg	8270C
Dibenz(a,h)anthracene		180		39	ug/Kg	8270C
4,4'-DDT		14		8.0	ug/Kg	8081A
Arsenic		14.9		0.94	mg/Kg	6010B
Barium		882		37.5	mg/Kg	6010B
Cadmium		1.8		0.94	mg/Kg	6010B
Chromium		29.6		1.9	mg/Kg	6010B
Lead		3850		9.4	mg/Kg	6010B
Selenium		4.8		1.9	mg/Kg	6010B
Silver		1.2	J	1.9	mg/Kg	6010B
Mercury		1.0		0.040	mg/Kg	7471A
Percent Moisture		16.0		1.0	%	Moisture
Percent Solids		84.0		1.0	%	Moisture
460-61340-9	**SB-2 BOTTOM**					
Barium		157		36.4	mg/Kg	6010B
Chromium		34.4		1.8	mg/Kg	6010B
Lead		8.2		0.91	mg/Kg	6010B
Selenium		3.3		1.8	mg/Kg	6010B
Silver		0.63	J	1.8	mg/Kg	6010B
Percent Moisture		10.7		1.0	%	Moisture
Percent Solids		89.3		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61340-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61340-10	**WC-3 TOP**					
Methylene Chloride		1.0	J	1.4	ug/Kg	8260B
Isophorone		290	J	340	ug/Kg	8270C
Acenaphthylene		100	J	340	ug/Kg	8270C
Fluoranthene		220	J	340	ug/Kg	8270C
Anthracene		62	J	340	ug/Kg	8270C
Carbazole		47	J	340	ug/Kg	8270C
Phenanthrene		220	J	340	ug/Kg	8270C
Pyrene		180	J	340	ug/Kg	8270C
Chrysene		150	J	340	ug/Kg	8270C
Benzo[k]fluoranthene		100		34	ug/Kg	8270C
Benzo[g,h,i]perylene		260	J	340	ug/Kg	8270C
Benzo[b]fluoranthene		280		34	ug/Kg	8270C
Benzo[a]pyrene		280		34	ug/Kg	8270C
Benzo[a]anthracene		110		34	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		220	J	340	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		290		34	ug/Kg	8270C
Dibenz(a,h)anthracene		73		34	ug/Kg	8270C
Total EPH (C9-C40)		110		2.1	mg/Kg	NJDEP EPH
Aluminum		12100		37.4	mg/Kg	6010B
Sulfur		517	B	51.0	mg/Kg	6010B
Arsenic		1.3		0.93	mg/Kg	6010B
Barium		270		37.4	mg/Kg	6010B
Calcium		12800		934	mg/Kg	6010B
Chromium		20.9		1.9	mg/Kg	6010B
Cobalt		14.1		9.3	mg/Kg	6010B
Copper		29.6		4.7	mg/Kg	6010B
Iron		23000		28.0	mg/Kg	6010B
Lead		198		0.93	mg/Kg	6010B
Magnesium		8080		934	mg/Kg	6010B
Manganese		188		2.8	mg/Kg	6010B
Nickel		29.8		7.5	mg/Kg	6010B
Potassium		6550		934	mg/Kg	6010B
Silver		0.39	J	1.9	mg/Kg	6010B
Sodium		258	J	934	mg/Kg	6010B
Vanadium		28.7		9.3	mg/Kg	6010B
Zinc		240		5.6	mg/Kg	6010B
Mercury		0.054		0.017	mg/Kg	7471A
pH		9.37	HF		SU	9045C
Corrosivity		9.37	HF		SU	9045C
Percent Moisture		4.4		1.0	%	Moisture
Percent Solids		95.6		1.0	%	Moisture
TCLP						
Barium		132000		2000	ug/L	6010B
Lead		38.5		25.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61340-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61340-11	**WC-3 BOTTOM**					
Methylene Chloride		0.75	J	1.4	ug/Kg	8260B
Acetone		11	J	14	ug/Kg	8260B
Acenaphthylene		170	J	360	ug/Kg	8270C
Dibenzofuran		48	J	360	ug/Kg	8270C
Fluorene		61	J	360	ug/Kg	8270C
Fluoranthene		1500		360	ug/Kg	8270C
Anthracene		130	J	360	ug/Kg	8270C
Carbazole		93	J	360	ug/Kg	8270C
Phenanthrene		1000		360	ug/Kg	8270C
Pyrene		1200		360	ug/Kg	8270C
Chrysene		820		360	ug/Kg	8270C
Benzo[k]fluoranthene		440		36	ug/Kg	8270C
Benzo[g,h,i]perylene		330	J	360	ug/Kg	8270C
Benzo[b]fluoranthene		910		36	ug/Kg	8270C
Benzo[a]pyrene		720		36	ug/Kg	8270C
Benzo[a]anthracene		690		36	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		360		360	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		370		36	ug/Kg	8270C
Dibenz(a,h)anthracene		93		36	ug/Kg	8270C
Total EPH (C9-C40)		320		2.2	mg/Kg	NJDEP EPH
Aluminum		9840		38.0	mg/Kg	6010B
Sulfur		834	B	54.5	mg/Kg	6010B
Arsenic		1.5		0.95	mg/Kg	6010B
Barium		576		38.0	mg/Kg	6010B
Beryllium		0.20	J	0.38	mg/Kg	6010B
Calcium		24600		949	mg/Kg	6010B
Chromium		17.6		1.9	mg/Kg	6010B
Cobalt		9.2	J	9.5	mg/Kg	6010B
Copper		19.6		4.7	mg/Kg	6010B
Iron		16400		28.5	mg/Kg	6010B
Lead		493		0.95	mg/Kg	6010B
Magnesium		6120		949	mg/Kg	6010B
Manganese		209		2.8	mg/Kg	6010B
Nickel		22.0		7.6	mg/Kg	6010B
Potassium		3290		949	mg/Kg	6010B
Silver		0.42	J	1.9	mg/Kg	6010B
Sodium		167	J	949	mg/Kg	6010B
Vanadium		24.1		9.5	mg/Kg	6010B
Zinc		315		5.7	mg/Kg	6010B
Mercury		0.073		0.018	mg/Kg	7471A
Cr (VI)		1.3	J	2.1	mg/Kg	7196A
pH		8.47	HF		SU	9045C
Corrosivity		8.47	HF		SU	9045C
Percent Moisture		7.5		1.0	%	Moisture
Percent Solids		92.5		1.0	%	Moisture

TCLP

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61340-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Barium		425	J	1000	ug/L	6010B
Lead		462		25.0	ug/L	6010B
460-61340-12	**SB-3 TOP**					
Benzo[b]fluoranthene		13	J	39	ug/Kg	8270C
Arsenic		2.9		0.87	mg/Kg	6010B
Barium		1010		34.8	mg/Kg	6010B
Cadmium		0.23	J	0.87	mg/Kg	6010B
Chromium		18.9		1.7	mg/Kg	6010B
Lead		810		0.87	mg/Kg	6010B
Selenium		1.1	J	1.7	mg/Kg	6010B
Silver		0.50	J	1.7	mg/Kg	6010B
Mercury		0.050		0.020	mg/Kg	7471A
Percent Moisture		15.0		1.0	%	Moisture
Percent Solids		85.0		1.0	%	Moisture
460-61340-13	**SB-3 BOTTOM**					
Barium		61.8		34.1	mg/Kg	6010B
Chromium		12.0		1.7	mg/Kg	6010B
Lead		6.4		0.85	mg/Kg	6010B
Silver		0.48	J	1.7	mg/Kg	6010B
Percent Moisture		3.8		1.0	%	Moisture
Percent Solids		96.2		1.0	%	Moisture

METHOD SUMMARY

Client: AKRF Inc

Job Number: 460-61340-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL EDI	SW846 8260B	
Closed System Purge and Trap	TAL EDI		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270C	
Automated Soxhlet Extraction	TAL EDI		SW846 3541
Organochlorine Pesticides (GC)	TAL EDI	SW846 8081A	
Microwave Extraction	TAL EDI		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL EDI	SW846 8082	
Microwave Extraction	TAL EDI		SW846 3546
New Jersey Extractable Petroleum Hydrocarbons	TAL EDI	NJDEP NJDEP EPH	
Microwave Extraction	TAL EDI		SW846 3546
Metals (ICP)	TAL EDI	SW846 6010B	
Preparation, Metals	TAL EDI		SW846 3050B
Metals (ICP)	TAL EDI	SW846 6010B	
TCLP Extraction	TAL EDI		SW846 1311
Preparation, Total Metals	TAL EDI		SW846 3010A
Mercury (CVAA)	TAL EDI	SW846 7470A	
TCLP Extraction	TAL EDI		SW846 1311
Preparation, Mercury	TAL EDI		SW846 7470A
Mercury (CVAA)	TAL EDI	SW846 7471A	
Preparation, Mercury	TAL EDI		SW846 7471A
Ignitability, Solids	TAL EDI	SW846 1030	
Chromium, Hexavalent	TAL EDI	SW846 7196A	
Alkaline Digestion (Chromium, Hexavalent)	TAL EDI		SW846 3060A
Cyanide, Total and/or Amenable	TAL EDI	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation	TAL EDI		SW846 9012A
Cyanide, Reactive	TAL EDI	SW846 9014	
Cyanide, Reactive	TAL EDI		SW846 7.3.3
Sulfide, Reactive	TAL EDI	SW846 9034	
Sulfide, Reactive	TAL EDI		SW846 7.3.4
pH	TAL EDI	SW846 9045C	
Paint Filter	TAL EDI	SW846 9095B	
Percent Moisture	TAL EDI	EPA Moisture	
Metals (ICP)	TAL NSH	SW846 6010B	
Preparation, Metals, Microwave Assisted	TAL NSH		SW846 3051A
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL EDI	SW846 8260B	
Purge and Trap	TAL EDI		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C
Organochlorine Pesticides (GC)	TAL EDI	SW846 8081A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C

METHOD SUMMARY

Client: AKRF Inc

Job Number: 460-61340-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL EDI	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C
Metals (ICP)	TAL EDI	SW846 6010B	
Preparation, Total Metals	TAL EDI		SW846 3010A
Metals (ICP)	TAL EDI	SW846 6010B	
Preparation, Total Metals	TAL EDI		SW846 3010A
Sample Filtration	TAL EDI		FILTRATION
Mercury (CVAA)	TAL EDI	SW846 7470A	
Preparation, Mercury	TAL EDI		SW846 7470A
Mercury (CVAA)	TAL EDI	SW846 7470A	
Preparation, Mercury	TAL EDI		SW846 7470A
Sample Filtration	TAL EDI		FILTRATION

Lab References:

TAL EDI = TestAmerica Edison

TAL NSH = TestAmerica Nashville

Method References:

EPA = US Environmental Protection Agency

NJDEP = New Jersey Department of Environmental Protection

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AKRF Inc

Job Number: 460-61340-1

Method	Analyst	Analyst ID
SW846 8260B	Desai, Saurab	SZD
SW846 8260B	Tupayachi, Audberto	AAT
SW846 8270C	Ly, Hau T	HTL
SW846 8270C	Shalayda, Monica	MTS
SW846 8081A	Foleyson, Temitope S	TSF
SW846 8081A	Kapoor, Sita	SAK
SW846 8082	Patel, Jignesh	JHP
NJDEP NJDEP EPH	Kim, Ho	HJK
SW846 6010B	Chang, Churn Der	CDC
SW846 6010B	Huang, Yixin	YZH
SW846 6010B	Johnson, Kellye	KDJ
SW846 7470A	Sheikh, Razia B	RBS
SW846 7470A	Staib, Thomas	TJS
SW846 7471A	Patel, Purva H	PHP
SW846 1030	Kowalski, Joseph A	JAK
SW846 7196A	Brown, Sarah E	SEB
SW846 9012A	Kamenetskaya, Raisa	RAK
SW846 9014	Kowalski, Joseph A	JAK
SW846 9034	Kowalski, Joseph A	JAK
SW846 9045C	Hu, Youhao	YAH
SW846 9095B	Kowalski, Joseph A	JAK
EPA Moisture	Robinson, Ian	ITR

SAMPLE SUMMARY

Client: AKRF Inc

Job Number: 460-61340-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-61340-1	WC-1 top	Solid	08/15/2013 1115	08/15/2013 1630
460-61340-2	WC-1 bottom	Solid	08/15/2013 1120	08/15/2013 1630
460-61340-3	Sb-1 top	Solid	08/15/2013 1125	08/15/2013 1630
460-61340-4	Sb-1 bottom	Solid	08/15/2013 1130	08/15/2013 1630
460-61340-5	TW-1	Water	08/15/2013 1210	08/15/2013 1630
460-61340-6	WC-2 top	Solid	08/15/2013 1323	08/15/2013 1630
460-61340-7	WC-2 bottom	Solid	08/15/2013 1325	08/15/2013 1630
460-61340-8	Sb-2 top	Solid	08/15/2013 1319	08/15/2013 1630
460-61340-9	Sb-2 bottom	Solid	08/15/2013 1321	08/15/2013 1630
460-61340-10	WC-3 top	Solid	08/15/2013 1440	08/15/2013 1630
460-61340-11	WC-3 bottom	Solid	08/15/2013 1435	08/15/2013 1630
460-61340-12	SB-3 top	Solid	08/15/2013 1430	08/15/2013 1630
460-61340-13	SB-3 Bottom	Solid	08/15/2013 1427	08/15/2013 1630

SAMPLE RESULTS

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 top**

Lab Sample ID: 460-61340-1
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 08/15/2013 1115
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176628	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35813.D
Dilution:	1.0			Initial Weight/Volume:	5.80 g
Analysis Date:	08/17/2013 1115			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 0957				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.0	U	0.16	1.0
Bromomethane		1.0	U	0.44	1.0
Vinyl chloride		1.0	U	0.34	1.0
Chloroethane		1.0	U	0.33	1.0
Methylene Chloride		2.2		0.15	1.0
Acetone		10	U	1.7	10
Carbon disulfide		1.0	U	0.15	1.0
Trichlorofluoromethane		1.0	U	0.16	1.0
1,1-Dichloroethene		1.0	U	0.19	1.0
1,1-Dichloroethane		1.0	U	0.11	1.0
trans-1,2-Dichloroethene		1.0	U	0.13	1.0
cis-1,2-Dichloroethene		1.0	U	0.11	1.0
Chloroform		1.0	U	0.24	1.0
2-Butanone		10	U	0.64	10
1,2-Dichloroethane		1.0	U	0.18	1.0
1,1,1-Trichloroethane		1.0	U	0.13	1.0
Carbon tetrachloride		1.0	U	0.15	1.0
Benzene		1.0	U	0.15	1.0
Bromoform		1.0	U	0.17	1.0
Styrene		1.0	U	0.28	1.0
m&p-Xylene		2.0	U	0.60	2.0
o-Xylene		1.0	U	0.19	1.0
Ethylbenzene		1.0	U	0.17	1.0
Chlorobenzene		1.0	U	0.18	1.0
Cyclohexane		1.0	U	0.13	1.0
Isopropylbenzene		1.0	U	0.11	1.0
2-Hexanone		10	U	0.13	10
MTBE		1.0	U	0.11	1.0
Freon TF		1.0	U	0.11	1.0
Methyl acetate		1.0	U	0.32	1.0
1,4-Dioxane		51	U	13	51
Trichloroethene		1.0	U	0.12	1.0
Toluene		1.0	U	0.14	1.0
trans-1,3-Dichloropropene		1.0	U	0.10	1.0
4-Methyl-2-pentanone		10	U	0.20	10
cis-1,3-Dichloropropene		1.0	U	0.14	1.0
1,2-Dichlorobenzene		1.0	U	0.10	1.0
1,3-Dichlorobenzene		1.0	U	0.16	1.0
1,4-Dichlorobenzene		1.0	U	0.11	1.0
1,2,4-Trichlorobenzene		1.0	U	0.19	1.0
1,2,3-Trichlorobenzene		1.0	U	0.16	1.0
1,2-Dichloropropane		1.0	U	0.15	1.0
Methylcyclohexane		1.0	U	0.10	1.0
Tetrachloroethene		1.0	U	0.12	1.0
1,2-Dibromo-3-Chloropropane		1.0	U	0.45	1.0
1,1,2,2-Tetrachloroethane		1.0	U	0.091	1.0

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 top**

Lab Sample ID: 460-61340-1
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 08/15/2013 1115
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176628	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35813.D
Dilution:	1.0			Initial Weight/Volume:	5.80 g
Analysis Date:	08/17/2013 1115			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 0957				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		1.0	U	0.14	1.0
Dibromochloromethane		1.0	U	0.10	1.0
1,2-Dibromoethane		1.0	U	0.15	1.0
Dichlorodifluoromethane		1.0	U	0.22	1.0
Bromochloromethane		1.0	U	0.11	1.0
Bromodichloromethane		1.0	U	0.32	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		70 - 130
Toluene-d8 (Surr)	93		70 - 130
Bromofluorobenzene	87		70 - 130
Dibromofluoromethane (Surr)	118		70 - 130

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 top**

Lab Sample ID: 460-61340-1
Client Matrix: Solid
% Moisture: 14.8

Date Sampled: 08/15/2013 1115
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176628	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35813.D
Dilution:	1.0			Initial Weight/Volume:	5.80 g
Analysis Date:	08/17/2013 1115			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 0957				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 bottom**

Lab Sample ID: 460-61340-2
Client Matrix: Solid
% Moisture: 11.8

Date Sampled: 08/15/2013 1120
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35826.D
Dilution:	1.0			Initial Weight/Volume:	5.70 g
Analysis Date:	08/18/2013 0531			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 0958				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.99	U	0.16	0.99
Bromomethane		0.99	U	0.43	0.99
Vinyl chloride		0.99	U	0.34	0.99
Chloroethane		0.99	U	0.33	0.99
Methylene Chloride		0.99	U	0.15	0.99
Acetone		9.9	U	1.7	9.9
Carbon disulfide		0.99	U	0.15	0.99
Trichlorofluoromethane		0.99	U	0.16	0.99
1,1-Dichloroethene		0.99	U	0.19	0.99
1,1-Dichloroethane		0.99	U	0.11	0.99
trans-1,2-Dichloroethene		0.99	U	0.13	0.99
cis-1,2-Dichloroethene		0.99	U	0.11	0.99
Chloroform		0.99	U	0.24	0.99
2-Butanone		9.9	U	0.63	9.9
1,2-Dichloroethane		0.99	U	0.18	0.99
1,1,1-Trichloroethane		0.99	U	0.13	0.99
Carbon tetrachloride		0.99	U	0.15	0.99
Benzene		0.99	U	0.15	0.99
Bromoform		0.99	U	0.17	0.99
Styrene		0.99	U	0.28	0.99
m&p-Xylene		2.0	U	0.59	2.0
o-Xylene		0.99	U	0.19	0.99
Ethylbenzene		0.99	U	0.17	0.99
Chlorobenzene		0.99	U	0.18	0.99
Cyclohexane		0.99	U	0.13	0.99
Isopropylbenzene		0.99	U	0.11	0.99
2-Hexanone		9.9	U	0.13	9.9
MTBE		0.99	U	0.11	0.99
Freon TF		0.99	U	0.11	0.99
Methyl acetate		0.99	U	0.32	0.99
1,4-Dioxane		50	U	13	50
Trichloroethene		0.99	U	0.12	0.99
Toluene		0.99	U	0.14	0.99
trans-1,3-Dichloropropene		0.99	U	0.099	0.99
4-Methyl-2-pentanone		9.9	U	0.20	9.9
cis-1,3-Dichloropropene		0.99	U	0.14	0.99
1,2-Dichlorobenzene		0.99	U	0.099	0.99
1,3-Dichlorobenzene		0.99	U	0.16	0.99
1,4-Dichlorobenzene		0.99	U	0.11	0.99
1,2,4-Trichlorobenzene		0.99	U	0.19	0.99
1,2,3-Trichlorobenzene		0.99	U	0.16	0.99
1,2-Dichloropropane		0.99	U	0.15	0.99
Methylcyclohexane		0.99	U	0.099	0.99
Tetrachloroethene		0.99	U	0.12	0.99
1,2-Dibromo-3-Chloropropane		0.99	U	0.44	0.99
1,1,2,2-Tetrachloroethane		0.99	U	0.090	0.99

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 bottom**

Lab Sample ID: 460-61340-2
Client Matrix: Solid
% Moisture: 11.8
Date Sampled: 08/15/2013 1120
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35826.D
Dilution:	1.0			Initial Weight/Volume:	5.70 g
Analysis Date:	08/18/2013 0531			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 0958				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		0.99	U	0.14	0.99
Dibromochloromethane		0.99	U	0.099	0.99
1,2-Dibromoethane		0.99	U	0.15	0.99
Dichlorodifluoromethane		0.99	U	0.22	0.99
Bromochloromethane		0.99	U	0.11	0.99
Bromodichloromethane		0.99	U	0.32	0.99

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		70 - 130
Toluene-d8 (Surr)	92		70 - 130
Bromofluorobenzene	85		70 - 130
Dibromofluoromethane (Surr)	120		70 - 130

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 bottom**

Lab Sample ID: 460-61340-2
Client Matrix: Solid
% Moisture: 11.8
Date Sampled: 08/15/2013 1120
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35826.D
Dilution:	1.0			Initial Weight/Volume:	5.70 g
Analysis Date:	08/18/2013 0531			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 0958				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **TW-1**

Lab Sample ID: 460-61340-5
Client Matrix: Water

Date Sampled: 08/15/2013 1210
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177286	Instrument ID:	CVOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E19817.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/21/2013 1343			Final Weight/Volume:	5 mL
Prep Date:	08/21/2013 1343				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.10	1.0
Bromomethane	1.0	U	0.18	1.0
Vinyl chloride	1.0	U	0.14	1.0
Chloroethane	1.0	U	0.17	1.0
Methylene Chloride	1.0	U	0.18	1.0
Acetone	5.0	U	2.7	5.0
Carbon disulfide	1.0	U	0.13	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
Chloroform	1.0	U	0.080	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
2-Butanone	5.0	U	2.3	5.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Bromodichloromethane	1.0	U	0.12	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Trichloroethene	1.0	U	0.090	1.0
Dibromochloromethane	1.0	U	0.20	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
Benzene	1.0	U	0.080	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Bromoform	1.0	U	0.19	1.0
4-Methyl-2-pentanone	5.0	U	0.99	5.0
2-Hexanone	5.0	U	0.50	5.0
Tetrachloroethene	1.0	U	0.10	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
Toluene	1.0	U	0.15	1.0
Chlorobenzene	1.0	U	0.11	1.0
Ethylbenzene	1.0	U	0.10	1.0
Styrene	1.0	U	0.12	1.0
m&p-Xylene	2.0	U	0.25	2.0
o-Xylene	1.0	U	0.13	1.0
Freon TF	1.0	U	0.080	1.0
MTBE	1.0	U	0.14	1.0
Cyclohexane	1.0	U	0.16	1.0
1,2-Dibromoethane	1.0	U	0.28	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,4-Dioxane	50	U *	36	50

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **TW-1**

Lab Sample ID: 460-61340-5
Client Matrix: Water

Date Sampled: 08/15/2013 1210
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177286	Instrument ID:	CVOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E19817.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/21/2013 1343			Final Weight/Volume:	5 mL
Prep Date:	08/21/2013 1343				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0
Bromochloromethane	1.0	U	0.27	1.0
Isopropylbenzene	1.0	U	0.080	1.0
Methyl acetate	2.0	U	0.34	2.0
Methylcyclohexane	1.0	U	0.14	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
Toluene-d8 (Surr)	96		70 - 130
Bromofluorobenzene	95		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **TW-1**

Lab Sample ID: 460-61340-5
Client Matrix: Water

Date Sampled: 08/15/2013 1210
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177286	Instrument ID:	CVOAMS5
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	E19817.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/21/2013 1343			Final Weight/Volume:	5 mL
Prep Date:	08/21/2013 1343				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 top**

Lab Sample ID: 460-61340-6
Client Matrix: Solid
% Moisture: 16.7
Date Sampled: 08/15/2013 1323
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35827.D
Dilution:	1.0			Initial Weight/Volume:	5.53 g
Analysis Date:	08/18/2013 0555			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 1000				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U	0.17	1.1
Bromomethane		1.1	U	0.47	1.1
Vinyl chloride		1.1	U	0.37	1.1
Chloroethane		1.1	U	0.36	1.1
Methylene Chloride		1.1	U	0.16	1.1
Acetone		11	U	1.8	11
Carbon disulfide		1.1	U	0.16	1.1
Trichlorofluoromethane		1.1	U	0.17	1.1
1,1-Dichloroethene		1.1	U	0.21	1.1
1,1-Dichloroethane		1.1	U	0.12	1.1
trans-1,2-Dichloroethene		1.1	U	0.14	1.1
cis-1,2-Dichloroethene		1.1	U	0.12	1.1
Chloroform		1.1	U	0.26	1.1
2-Butanone		11	U	0.68	11
1,2-Dichloroethane		1.1	U	0.20	1.1
1,1,1-Trichloroethane		1.1	U	0.14	1.1
Carbon tetrachloride		1.1	U	0.16	1.1
Benzene		1.1	U	0.16	1.1
Bromoform		1.1	U	0.18	1.1
Styrene		1.1	U	0.30	1.1
m&p-Xylene		2.2	U	0.64	2.2
o-Xylene		1.1	U	0.21	1.1
Ethylbenzene		1.1	U	0.18	1.1
Chlorobenzene		1.1	U	0.20	1.1
Cyclohexane		1.1	U	0.14	1.1
Isopropylbenzene		1.1	U	0.12	1.1
2-Hexanone		11	U	0.14	11
MTBE		1.1	U	0.12	1.1
Freon TF		1.1	U	0.12	1.1
Methyl acetate		1.1	U	0.35	1.1
1,4-Dioxane		54	U	14	54
Trichloroethene		1.1	U	0.13	1.1
Toluene		1.1	U	0.15	1.1
trans-1,3-Dichloropropene		1.1	U	0.11	1.1
4-Methyl-2-pentanone		11	U	0.22	11
cis-1,3-Dichloropropene		1.1	U	0.15	1.1
1,2-Dichlorobenzene		1.1	U	0.11	1.1
1,3-Dichlorobenzene		1.1	U	0.17	1.1
1,4-Dichlorobenzene		1.1	U	0.12	1.1
1,2,4-Trichlorobenzene		1.1	U	0.21	1.1
1,2,3-Trichlorobenzene		1.1	U	0.17	1.1
1,2-Dichloropropane		1.1	U	0.16	1.1
Methylcyclohexane		1.1	U	0.11	1.1
Tetrachloroethene		1.1	U	0.13	1.1
1,2-Dibromo-3-Chloropropane		1.1	U	0.48	1.1
1,1,2,2-Tetrachloroethane		1.1	U	0.098	1.1

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 top**

Lab Sample ID: 460-61340-6
Client Matrix: Solid
% Moisture: 16.7

Date Sampled: 08/15/2013 1323
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35827.D
Dilution:	1.0			Initial Weight/Volume:	5.53 g
Analysis Date:	08/18/2013 0555			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 1000				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		1.1	U	0.15	1.1
Dibromochloromethane		1.1	U	0.11	1.1
1,2-Dibromoethane		1.1	U	0.16	1.1
Dichlorodifluoromethane		1.1	U	0.24	1.1
Bromochloromethane		1.1	U	0.12	1.1
Bromodichloromethane		1.1	U	0.35	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	124		70 - 130
Toluene-d8 (Surr)	98		70 - 130
Bromofluorobenzene	91		70 - 130
Dibromofluoromethane (Surr)	127		70 - 130

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 top**

Lab Sample ID: 460-61340-6
Client Matrix: Solid
% Moisture: 16.7

Date Sampled: 08/15/2013 1323
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35827.D
Dilution:	1.0			Initial Weight/Volume:	5.53 g
Analysis Date:	08/18/2013 0555			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 1000				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 bottom**

Lab Sample ID: 460-61340-7
Client Matrix: Solid
% Moisture: 11.2
Date Sampled: 08/15/2013 1325
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35828.D
Dilution:	1.0			Initial Weight/Volume:	4.85 g
Analysis Date:	08/18/2013 0619			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 1000				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.2	U	0.19	1.2
Bromomethane		1.2	U	0.50	1.2
Vinyl chloride		1.2	U	0.39	1.2
Chloroethane		1.2	U	0.38	1.2
Methylene Chloride		1.2	U	0.17	1.2
Acetone		12	U	2.0	12
Carbon disulfide		1.2	U	0.17	1.2
Trichlorofluoromethane		1.2	U	0.19	1.2
1,1-Dichloroethene		1.2	U	0.22	1.2
1,1-Dichloroethane		1.2	U	0.13	1.2
trans-1,2-Dichloroethene		1.2	U	0.15	1.2
cis-1,2-Dichloroethene		1.2	U	0.13	1.2
Chloroform		1.2	U	0.28	1.2
2-Butanone		12	U	0.73	12
1,2-Dichloroethane		1.2	U	0.21	1.2
1,1,1-Trichloroethane		1.2	U	0.15	1.2
Carbon tetrachloride		1.2	U	0.17	1.2
Benzene		1.2	U	0.17	1.2
Bromoform		1.2	U	0.20	1.2
Styrene		1.2	U	0.32	1.2
m&p-Xylene		2.3	U	0.68	2.3
o-Xylene		1.2	U	0.22	1.2
Ethylbenzene		1.2	U	0.20	1.2
Chlorobenzene		1.2	U	0.21	1.2
Cyclohexane		1.2	U	0.15	1.2
Isopropylbenzene		1.2	U	0.13	1.2
2-Hexanone		12	U	0.15	12
MTBE		1.2	U	0.13	1.2
Freon TF		1.2	U	0.13	1.2
Methyl acetate		1.2	U	0.37	1.2
1,4-Dioxane		58	U	15	58
Trichloroethene		1.2	U	0.14	1.2
Toluene		1.2	U	0.16	1.2
trans-1,3-Dichloropropene		1.2	U	0.12	1.2
4-Methyl-2-pentanone		12	U	0.23	12
cis-1,3-Dichloropropene		1.2	U	0.16	1.2
1,2-Dichlorobenzene		1.2	U	0.12	1.2
1,3-Dichlorobenzene		1.2	U	0.19	1.2
1,4-Dichlorobenzene		1.2	U	0.13	1.2
1,2,4-Trichlorobenzene		1.2	U	0.22	1.2
1,2,3-Trichlorobenzene		1.2	U	0.19	1.2
1,2-Dichloropropane		1.2	U	0.17	1.2
Methylcyclohexane		1.2	U	0.12	1.2
Tetrachloroethene		1.2	U	0.14	1.2
1,2-Dibromo-3-Chloropropane		1.2	U	0.51	1.2
1,1,2,2-Tetrachloroethane		1.2	U	0.10	1.2

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 bottom**

Lab Sample ID: 460-61340-7
Client Matrix: Solid
% Moisture: 11.2

Date Sampled: 08/15/2013 1325
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35828.D
Dilution:	1.0			Initial Weight/Volume:	4.85 g
Analysis Date:	08/18/2013 0619			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 1000				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		1.2	U	0.16	1.2
Dibromochloromethane		1.2	U	0.12	1.2
1,2-Dibromoethane		1.2	U	0.17	1.2
Dichlorodifluoromethane		1.2	U	0.26	1.2
Bromochloromethane		1.2	U	0.13	1.2
Bromodichloromethane		1.2	U	0.37	1.2

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		70 - 130
Toluene-d8 (Surr)	95		70 - 130
Bromofluorobenzene	89		70 - 130
Dibromofluoromethane (Surr)	121		70 - 130

Client: AKRF Inc | Job Number: 460-61340-1

Client Sample ID: **WC-2 bottom**

Lab Sample ID: 460-61340-7 | Date Sampled: 08/15/2013 1325
Client Matrix: Solid | % Moisture: 11.2 | Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35828.D
Dilution:	1.0			Initial Weight/Volume:	4.85 g
Analysis Date:	08/18/2013 0619			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 1000				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 top**

Lab Sample ID: 460-61340-10
Client Matrix: Solid
% Moisture: 4.4
Date Sampled: 08/15/2013 1440
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35829.D
Dilution:	1.0			Initial Weight/Volume:	3.71 g
Analysis Date:	08/18/2013 0643			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 1002				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.4	U	0.23	1.4
Bromomethane		1.4	U	0.61	1.4
Vinyl chloride		1.4	U	0.48	1.4
Chloroethane		1.4	U	0.47	1.4
Methylene Chloride		1.0	J	0.21	1.4
Acetone		14	U	2.4	14
Carbon disulfide		1.4	U	0.21	1.4
Trichlorofluoromethane		1.4	U	0.23	1.4
1,1-Dichloroethene		1.4	U	0.27	1.4
1,1-Dichloroethane		1.4	U	0.16	1.4
trans-1,2-Dichloroethene		1.4	U	0.18	1.4
cis-1,2-Dichloroethene		1.4	U	0.16	1.4
Chloroform		1.4	U	0.34	1.4
2-Butanone		14	U	0.89	14
1,2-Dichloroethane		1.4	U	0.25	1.4
1,1,1-Trichloroethane		1.4	U	0.18	1.4
Carbon tetrachloride		1.4	U	0.21	1.4
Benzene		1.4	U	0.21	1.4
Bromoform		1.4	U	0.24	1.4
Styrene		1.4	U	0.39	1.4
m&p-Xylene		2.8	U	0.83	2.8
o-Xylene		1.4	U	0.27	1.4
Ethylbenzene		1.4	U	0.24	1.4
Chlorobenzene		1.4	U	0.25	1.4
Cyclohexane		1.4	U	0.18	1.4
Isopropylbenzene		1.4	U	0.16	1.4
2-Hexanone		14	U	0.18	14
MTBE		1.4	U	0.16	1.4
Freon TF		1.4	U	0.16	1.4
Methyl acetate		1.4	U	0.45	1.4
1,4-Dioxane		70	U	18	70
Trichloroethene		1.4	U	0.17	1.4
Toluene		1.4	U	0.20	1.4
trans-1,3-Dichloropropene		1.4	U	0.14	1.4
4-Methyl-2-pentanone		14	U	0.28	14
cis-1,3-Dichloropropene		1.4	U	0.20	1.4
1,2-Dichlorobenzene		1.4	U	0.14	1.4
1,3-Dichlorobenzene		1.4	U	0.23	1.4
1,4-Dichlorobenzene		1.4	U	0.16	1.4
1,2,4-Trichlorobenzene		1.4	U	0.27	1.4
1,2,3-Trichlorobenzene		1.4	U	0.23	1.4
1,2-Dichloropropane		1.4	U	0.21	1.4
Methylcyclohexane		1.4	U	0.14	1.4
Tetrachloroethene		1.4	U	0.17	1.4
1,2-Dibromo-3-Chloropropane		1.4	U	0.62	1.4
1,1,2,2-Tetrachloroethane		1.4	U	0.13	1.4

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 top**

Lab Sample ID: 460-61340-10
Client Matrix: Solid
% Moisture: 4.4
Date Sampled: 08/15/2013 1440
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35829.D
Dilution:	1.0			Initial Weight/Volume:	3.71 g
Analysis Date:	08/18/2013 0643			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 1002				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		1.4	U	0.20	1.4
Dibromochloromethane		1.4	U	0.14	1.4
1,2-Dibromoethane		1.4	U	0.21	1.4
Dichlorodifluoromethane		1.4	U	0.31	1.4
Bromochloromethane		1.4	U	0.16	1.4
Bromodichloromethane		1.4	U	0.45	1.4

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		70 - 130
Toluene-d8 (Surr)	97		70 - 130
Bromofluorobenzene	89		70 - 130
Dibromofluoromethane (Surr)	120		70 - 130

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 top**

Lab Sample ID: 460-61340-10
Client Matrix: Solid
% Moisture: 4.4

Date Sampled: 08/15/2013 1440
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35829.D
Dilution:	1.0			Initial Weight/Volume:	3.71 g
Analysis Date:	08/18/2013 0643			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 1002				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 bottom**

Lab Sample ID: 460-61340-11
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 08/15/2013 1435
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35830.D
Dilution:	1.0			Initial Weight/Volume:	3.93 g
Analysis Date:	08/18/2013 0707			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 1003				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.4	U	0.22	1.4
Bromomethane		1.4	U	0.59	1.4
Vinyl chloride		1.4	U	0.47	1.4
Chloroethane		1.4	U	0.45	1.4
Methylene Chloride		0.75	J	0.21	1.4
Acetone		11	J	2.3	14
Carbon disulfide		1.4	U	0.21	1.4
Trichlorofluoromethane		1.4	U	0.22	1.4
1,1-Dichloroethene		1.4	U	0.26	1.4
1,1-Dichloroethane		1.4	U	0.15	1.4
trans-1,2-Dichloroethene		1.4	U	0.18	1.4
cis-1,2-Dichloroethene		1.4	U	0.15	1.4
Chloroform		1.4	U	0.33	1.4
2-Butanone		14	U	0.87	14
1,2-Dichloroethane		1.4	U	0.25	1.4
1,1,1-Trichloroethane		1.4	U	0.18	1.4
Carbon tetrachloride		1.4	U	0.21	1.4
Benzene		1.4	U	0.21	1.4
Bromoform		1.4	U	0.23	1.4
Styrene		1.4	U	0.39	1.4
m&p-Xylene		2.8	U	0.81	2.8
o-Xylene		1.4	U	0.26	1.4
Ethylbenzene		1.4	U	0.23	1.4
Chlorobenzene		1.4	U	0.25	1.4
Cyclohexane		1.4	U	0.18	1.4
Isopropylbenzene		1.4	U	0.15	1.4
2-Hexanone		14	U	0.18	14
MTBE		1.4	U	0.15	1.4
Freon TF		1.4	U	0.15	1.4
Methyl acetate		1.4	U	0.44	1.4
1,4-Dioxane		69	U	17	69
Trichloroethene		1.4	U	0.17	1.4
Toluene		1.4	U	0.19	1.4
trans-1,3-Dichloropropene		1.4	U	0.14	1.4
4-Methyl-2-pentanone		14	U	0.28	14
cis-1,3-Dichloropropene		1.4	U	0.19	1.4
1,2-Dichlorobenzene		1.4	U	0.14	1.4
1,3-Dichlorobenzene		1.4	U	0.22	1.4
1,4-Dichlorobenzene		1.4	U	0.15	1.4
1,2,4-Trichlorobenzene		1.4	U	0.26	1.4
1,2,3-Trichlorobenzene		1.4	U	0.22	1.4
1,2-Dichloropropane		1.4	U	0.21	1.4
Methylcyclohexane		1.4	U	0.14	1.4
Tetrachloroethene		1.4	U	0.17	1.4
1,2-Dibromo-3-Chloropropane		1.4	U	0.61	1.4
1,1,2,2-Tetrachloroethane		1.4	U	0.12	1.4

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 bottom**

Lab Sample ID: 460-61340-11
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 08/15/2013 1435
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35830.D
Dilution:	1.0			Initial Weight/Volume:	3.93 g
Analysis Date:	08/18/2013 0707			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 1003				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		1.4	U	0.19	1.4
Dibromochloromethane		1.4	U	0.14	1.4
1,2-Dibromoethane		1.4	U	0.21	1.4
Dichlorodifluoromethane		1.4	U	0.30	1.4
Bromochloromethane		1.4	U	0.15	1.4
Bromodichloromethane		1.4	U	0.44	1.4

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120		70 - 130
Toluene-d8 (Surr)	97		70 - 130
Bromofluorobenzene	88		70 - 130
Dibromofluoromethane (Surr)	123		70 - 130

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 bottom**

Lab Sample ID: 460-61340-11
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 08/15/2013 1435
Date Received: 08/15/2013 1630

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Prep Method:	5035	Prep Batch:	460-176496	Lab File ID:	D35830.D
Dilution:	1.0			Initial Weight/Volume:	3.93 g
Analysis Date:	08/18/2013 0707			Final Weight/Volume:	5 mL
Prep Date:	08/16/2013 1003				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 top**

Lab Sample ID: 460-61340-1
Client Matrix: Solid

% Moisture: 14.8

Date Sampled: 08/15/2013 1115
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90189.D
Dilution:	2.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/19/2013 2303			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		770	U	100	770
2-Chlorophenol		770	U	100	770
2-Methylphenol		770	U	130	770
4-Methylphenol		770	U	150	770
Benzaldehyde		770	U	91	770
Acetophenone		770	U	120	770
Bis(2-chloroethyl)ether		77	U	11	77
2,2'-oxybis[1-chloropropane]		770	U	86	770
N-Nitrosodi-n-propylamine		77	U	13	77
Nitrobenzene		77	U	11	77
Hexachloroethane		77	U	8.6	77
Isophorone		770	U	94	770
2-Nitrophenol		770	U	87	770
2,4-Dimethylphenol		770	U	190	770
2,4-Dichlorophenol		770	U	110	770
Bis(2-chloroethoxy)methane		770	U	100	770
Naphthalene		94	J	90	770
4-Chloroaniline		770	U	210	770
Hexachlorobutadiene		160	U	19	160
Caprolactam		770	U	180	770
4-Chloro-3-methylphenol		770	U	120	770
2-Methylnaphthalene		770	U	100	770
Hexachlorobenzene		77	U	11	77
Hexachlorocyclopentadiene		770	U	91	770
2,4,6-Trichlorophenol		770	U	91	770
2,4,5-Trichlorophenol		770	U	100	770
Diphenyl		770	U	100	770
2-Chloronaphthalene		770	U	87	770
2-Nitroaniline		1600	U	320	1600
2,6-Dinitrotoluene		160	U	23	160
Dimethyl phthalate		770	U	92	770
Acenaphthylene		630	J	92	770
3-Nitroaniline		1600	U	270	1600
Acenaphthene		770	U	110	770
4-Nitrophenol		2300	U	500	2300
2,4-Dinitrophenol		2300	U	440	2300
Dibenzofuran		240	J	91	770
Diethyl phthalate		770	U	92	770
Fluorene		470	J	99	770
Fluoranthene		5900		100	770
Di-n-butyl phthalate		770	U	96	770
2,4-Dinitrotoluene		160	U	26	160
4-Chlorophenyl phenyl ether		770	U	91	770
4-Nitroaniline		1600	U	240	1600
4,6-Dinitro-2-methylphenol		2300	U	210	2300
4-Bromophenyl phenyl ether		770	U	77	770

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 top**

Lab Sample ID: 460-61340-1
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 08/15/2013 1115
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90189.D
Dilution:	2.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/19/2013 2303			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		770	U	120	770
Anthracene		1000		94	770
Carbazole		240	J	92	770
Phenanthrene		4000		99	770
Pentachlorophenol		2300	U	230	2300
Pyrene		6500		65	770
Chrysene		4000		90	770
Benzo[k]fluoranthene		1600		5.9	77
Benzo[g,h,i]perylene		2100		57	770
Benzo[b]fluoranthene		4200		4.9	77
Benzo[a]pyrene		3400		5.5	77
Benzo[a]anthracene		3900		5.4	77
N-Nitrosodiphenylamine		770	U	76	770
Butyl benzyl phthalate		770	U	71	770
Bis(2-ethylhexyl) phthalate		410	J	260	770
Di-n-octyl phthalate		770	U	49	770
Indeno[1,2,3-cd]pyrene		2100		14	77
Dibenz(a,h)anthracene		560		9.8	77
3,3'-Dichlorobenzidine		1600	U	270	1600
1,2,4,5-Tetrachlorobenzene		770	U	100	770
2,3,4,6-Tetrachlorophenol		770	U	100	770

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	93		38 - 105
Phenol-d5	82		41 - 118
Terphenyl-d14	89		16 - 151
2,4,6-Tribromophenol	61		10 - 120
2-Fluorophenol	79		37 - 125
2-Fluorobiphenyl	85		40 - 109

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 top**

Lab Sample ID: 460-61340-1
Client Matrix: Solid
% Moisture: 14.8

Date Sampled: 08/15/2013 1115
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90189.D
Dilution:	2.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/19/2013 2303			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **4**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	1.77	39000	J
203-64-5	4H-Cyclopenta[def]phenanthrene	8.30	890	J N
238-84-6	11H-Benzo[a]fluorene	9.43	1100	J N
192-97-2	Benzo[e]pyrene	11.70	1900	J N

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 bottom**

Lab Sample ID: 460-61340-2
Client Matrix: Solid
% Moisture: 11.8

Date Sampled: 08/15/2013 1120
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90194.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/20/2013 0043			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		370	U	50	370
2-Chlorophenol		370	U	49	370
2-Methylphenol		370	U	64	370
4-Methylphenol		370	U	74	370
Benzaldehyde		370	U	44	370
Acetophenone		370	U	58	370
Bis(2-chloroethyl)ether		37	U	5.1	37
2,2'-oxybis[1-chloropropane]		370	U	41	370
N-Nitrosodi-n-propylamine		37	U	6.2	37
Nitrobenzene		37	U	5.3	37
Hexachloroethane		37	U	4.2	37
Isophorone		370	U	45	370
2-Nitrophenol		370	U	42	370
2,4-Dimethylphenol		370	U	92	370
2,4-Dichlorophenol		370	U	55	370
Bis(2-chloroethoxy)methane		370	U	48	370
Naphthalene		370	U	43	370
4-Chloroaniline		370	U	99	370
Hexachlorobutadiene		76	U	9.1	76
Caprolactam		370	U	86	370
4-Chloro-3-methylphenol		370	U	56	370
2-Methylnaphthalene		370	U	48	370
Hexachlorobenzene		37	U	5.1	37
Hexachlorocyclopentadiene		370	U	44	370
2,4,6-Trichlorophenol		370	U	44	370
2,4,5-Trichlorophenol		370	U	48	370
Diphenyl		370	U	50	370
2-Chloronaphthalene		370	U	42	370
2-Nitroaniline		760	U	160	760
2,6-Dinitrotoluene		76	U	11	76
Dimethyl phthalate		370	U	44	370
Acenaphthylene		370	U	44	370
3-Nitroaniline		760	U	130	760
Acenaphthene		370	U	55	370
4-Nitrophenol		1100	U	240	1100
2,4-Dinitrophenol		1100	U	210	1100
Dibenzofuran		370	U	44	370
Diethyl phthalate		370	U	45	370
Fluorene		370	U	48	370
Fluoranthene		65	J	50	370
Di-n-butyl phthalate		370	U	46	370
2,4-Dinitrotoluene		76	U	12	76
4-Chlorophenyl phenyl ether		370	U	44	370
4-Nitroaniline		760	U	120	760
4,6-Dinitro-2-methylphenol		1100	U	100	1100
4-Bromophenyl phenyl ether		370	U	37	370

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 bottom**

Lab Sample ID: 460-61340-2
Client Matrix: Solid
% Moisture: 11.8
Date Sampled: 08/15/2013 1120
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90194.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/20/2013 0043			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		370	U	58	370
Anthracene		370	U	46	370
Carbazole		370	U	44	370
Phenanthrene		49	J	48	370
Pentachlorophenol		1100	U	110	1100
Pyrene		74	J	31	370
Chrysene		58	J	44	370
Benzo[k]fluoranthene		29	J	2.8	37
Benzo[g,h,i]perylene		55	J	28	370
Benzo[b]fluoranthene		68		2.4	37
Benzo[a]pyrene		59		2.6	37
Benzo[a]anthracene		51		2.6	37
N-Nitrosodiphenylamine		370	U	37	370
Butyl benzyl phthalate		370	U	34	370
Bis(2-ethylhexyl) phthalate		160	J	120	370
Di-n-octyl phthalate		370	U	24	370
Indeno[1,2,3-cd]pyrene		58		7.0	37
Dibenz(a,h)anthracene		16	J	4.7	37
3,3'-Dichlorobenzidine		760	U	130	760
1,2,4,5-Tetrachlorobenzene		370	U	50	370
2,3,4,6-Tetrachlorophenol		370	U	49	370

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	92		38 - 105
Phenol-d5	92		41 - 118
Terphenyl-d14	96		16 - 151
2,4,6-Tribromophenol	70		10 - 120
2-Fluorophenol	85		37 - 125
2-Fluorobiphenyl	97		40 - 109

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 bottom**

Lab Sample ID: 460-61340-2
Client Matrix: Solid
% Moisture: 11.8

Date Sampled: 08/15/2013 1120
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90194.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/20/2013 0043			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **4**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	1.60	410	J
	Unknown	1.81	88000	J
31158-91-5	Hexadecanoic acid, 1,1-dimethylethyl est	9.20	910	J N
123-95-5	Octadecanoic acid, butyl ester	9.88	570	J N

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-1 top**

Lab Sample ID: 460-61340-3
Client Matrix: Solid
% Moisture: 12.9
Date Sampled: 08/15/2013 1125
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90192.D
Dilution:	2.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/20/2013 0003			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		760	U	100	760
2-Chlorophenol		760	U	100	760
2-Methylphenol		760	U	130	760
4-Methylphenol		760	U	150	760
Benzaldehyde		760	U	89	760
Acetophenone		760	U	120	760
Bis(2-chloroethyl)ether		76	U	10	76
2,2'-oxybis[1-chloropropane]		760	U	84	760
N-Nitrosodi-n-propylamine		76	U	13	76
Nitrobenzene		76	U	11	76
Hexachloroethane		76	U	8.4	76
Isophorone		760	U	92	760
2-Nitrophenol		760	U	85	760
2,4-Dimethylphenol		760	U	190	760
2,4-Dichlorophenol		760	U	110	760
Bis(2-chloroethoxy)methane		760	U	98	760
Naphthalene		760	U	88	760
4-Chloroaniline		760	U	200	760
Hexachlorobutadiene		150	U	18	150
Caprolactam		760	U	170	760
4-Chloro-3-methylphenol		760	U	110	760
2-Methylnaphthalene		760	U	97	760
Hexachlorobenzene		76	U	10	76
Hexachlorocyclopentadiene		760	U	89	760
2,4,6-Trichlorophenol		760	U	89	760
2,4,5-Trichlorophenol		760	U	98	760
Diphenyl		760	U	100	760
2-Chloronaphthalene		760	U	85	760
2-Nitroaniline		1500	U	320	1500
2,6-Dinitrotoluene		150	U	23	150
Dimethyl phthalate		760	U	90	760
Acenaphthylene		470	J	90	760
3-Nitroaniline		1500	U	270	1500
Acenaphthene		760	U	110	760
4-Nitrophenol		2300	U	490	2300
2,4-Dinitrophenol		2300	U	430	2300
Dibenzofuran		760	U	89	760
Diethyl phthalate		760	U	90	760
Fluorene		760	U	97	760
Fluoranthene		4200		100	760
Di-n-butyl phthalate		760	U	94	760
2,4-Dinitrotoluene		150	U	25	150
4-Chlorophenyl phenyl ether		760	U	89	760
4-Nitroaniline		1500	U	240	1500
4,6-Dinitro-2-methylphenol		2300	U	210	2300
4-Bromophenyl phenyl ether		760	U	75	760

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-1 top**

Lab Sample ID: 460-61340-3
Client Matrix: Solid
% Moisture: 12.9
Date Sampled: 08/15/2013 1125
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90192.D
Dilution:	2.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/20/2013 0003			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		760	U	120	760
Anthracene		330	J	92	760
Carbazole		450	J	90	760
Phenanthrene		2500		96	760
Pentachlorophenol		2300	U	230	2300
Pyrene		4600		63	760
Chrysene		3400		88	760
Benzo[k]fluoranthene		1700		5.8	76
Benzo[g,h,i]perylene		2600		56	760
Benzo[b]fluoranthene		4500		4.8	76
Benzo[a]pyrene		3000		5.4	76
Benzo[a]anthracene		2900		5.3	76
N-Nitrosodiphenylamine		760	U	75	760
Butyl benzyl phthalate		760	U	69	760
Bis(2-ethylhexyl) phthalate		760	U	250	760
Di-n-octyl phthalate		760	U	48	760
Indeno[1,2,3-cd]pyrene		2400		14	76
Dibenz(a,h)anthracene		570		9.6	76
3,3'-Dichlorobenzidine		1500	U	270	1500
1,2,4,5-Tetrachlorobenzene		760	U	100	760
2,3,4,6-Tetrachlorophenol		760	U	99	760

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	84		38 - 105
Phenol-d5	87		41 - 118
Terphenyl-d14	86		16 - 151
2,4,6-Tribromophenol	67		10 - 120
2-Fluorophenol	83		37 - 125
2-Fluorobiphenyl	93		40 - 109

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-1 top**

Lab Sample ID: 460-61340-3
Client Matrix: Solid
% Moisture: 12.9

Date Sampled: 08/15/2013 1125
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90192.D
Dilution:	2.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/20/2013 0003			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **12**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
544-25-2	1,3,5-Cycloheptatriene	1.19	1800	J N
141-79-7	3-Penten-2-one, 4-methyl-	1.39	2000	J N
	Unknown	1.79	59000	J
84-65-1	9,10-Anthracenedione	8.51	650	J N
479-79-8	11H-Benzo[a]fluoren-11-one	9.92	690	J N
479-79-8	11H-Benzo[a]fluoren-11-one	10.13	630	J N
192-97-2	Benzo[e]pyrene	11.71	2800	J N
191-26-4	Dibenzo[def,mno]chrysene	12.97	1700	J N
83-47-6	.gamma.-Sitosterol	13.60	1300	J N
	Unknown	14.41	1200	J
559-74-0	Friedelan-3-one	14.73	27000	J N
5385-75-1	Dibenz(a,e)aceanthrylene	14.78	1300	J N

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **TW-1**

Lab Sample ID: 460-61340-5
Client Matrix: Water

Date Sampled: 08/15/2013 1210
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177525	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-176507	Lab File ID:	M68586.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	08/22/2013 1500			Final Weight/Volume:	2 mL
Prep Date:	08/16/2013 1033			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	10	U	0.60	10
2-Chlorophenol	10	U	0.93	10
2-Methylphenol	10	U	1.4	10
4-Methylphenol	10	U	1.0	10
2-Nitrophenol	10	U	0.68	10
2,4-Dimethylphenol	10	U	1.2	10
2,4-Dichlorophenol	10	U	1.1	10
4-Chloro-3-methylphenol	10	U	1.1	10
2,4,6-Trichlorophenol	10	U	1.4	10
2,4,5-Trichlorophenol	10	U *	2.2	10
2,4-Dinitrophenol	30	U	2.0	30
4-Nitrophenol	30	U *	2.0	30
4,6-Dinitro-2-methylphenol	30	U	3.0	30
Pentachlorophenol	30	U	2.7	30
Bis(2-chloroethyl)ether	1.0	U	0.30	1.0
N-Nitrosodi-n-propylamine	1.0	U	0.27	1.0
Hexachloroethane	1.0	U	0.15	1.0
Nitrobenzene	1.0	U	0.34	1.0
Isophorone	10	U	1.3	10
Bis(2-chloroethoxy)methane	10	U	1.0	10
Naphthalene	10	U	2.0	10
4-Chloroaniline	1.0	U *	0.32	1.0
Hexachlorobutadiene	2.0	U	0.68	2.0
2-Methylnaphthalene	10	U	1.5	10
Hexachlorocyclopentadiene	10	U	1.5	10
2-Chloronaphthalene	10	U	1.3	10
2-Nitroaniline	20	U	2.0	20
Dimethyl phthalate	10	U	1.1	10
Acenaphthylene	10	U	1.8	10
2,6-Dinitrotoluene	2.0	U	0.27	2.0
3-Nitroaniline	20	U	2.9	20
Acenaphthene	10	U	1.1	10
Dibenzofuran	10	U	1.5	10
2,4-Dinitrotoluene	2.0	U	0.28	2.0
Diethyl phthalate	10	U	1.4	10
4-Chlorophenyl phenyl ether	10	U	1.5	10
Fluorene	10	U	1.7	10
4-Nitroaniline	20	U	2.9	20
N-Nitrosodiphenylamine	10	U	1.0	10
4-Bromophenyl phenyl ether	10	U	1.1	10
Hexachlorobenzene	1.0	U	0.20	1.0
Phenanthrene	10	U	1.2	10
Anthracene	10	U	0.85	10
Carbazole	10	U	1.2	10
Di-n-butyl phthalate	10	U	1.0	10
Fluoranthene	10	U	1.1	10

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **TW-1**

Lab Sample ID: 460-61340-5
Client Matrix: Water

Date Sampled: 08/15/2013 1210
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177525	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-176507	Lab File ID:	M68586.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	08/22/2013 1500			Final Weight/Volume:	2 mL
Prep Date:	08/16/2013 1033			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Pyrene	10	U	1.1	10
Butyl benzyl phthalate	10	U	1.4	10
3,3'-Dichlorobenzidine	20	U *	3.2	20
Benzo[a]anthracene	1.0	U	0.18	1.0
Chrysene	10	U	1.4	10
Bis(2-ethylhexyl) phthalate	1.1	J	0.81	10
Di-n-octyl phthalate	10	U	0.88	10
Benzo[b]fluoranthene	1.0	U	0.21	1.0
Benzo[k]fluoranthene	1.0	U	0.14	1.0
Benzo[a]pyrene	1.0	U	0.14	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.11	1.0
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
Benzo[g,h,i]perylene	10	U	0.93	10
Diphenyl	10	U	1.8	10
Acetophenone	10	U	0.89	10
Benzaldehyde	10	U	2.1	10
Caprolactam	10	U *	0.91	10
Atrazine	10	U *	1.0	10
2,2'-oxybis[1-chloropropane]	10	U	1.3	10
1,2,4,5-Tetrachlorobenzene	10	U	1.8	10
2,3,4,6-Tetrachlorophenol	10	U *	0.89	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	113		60 - 114
Phenol-d5	31		4 - 86
Terphenyl-d14	132	*	72 - 130
2,4,6-Tribromophenol	112		51 - 126
2-Fluorophenol	49		15 - 96
2-Fluorobiphenyl	113		50 - 120

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **TW-1**

Lab Sample ID: 460-61340-5
Client Matrix: Water

Date Sampled: 08/15/2013 1210
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177525	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-176507	Lab File ID:	M68586.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	08/22/2013 1500			Final Weight/Volume:	2 mL
Prep Date:	08/16/2013 1033			Injection Volume:	5 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 top**

Lab Sample ID: 460-61340-6
Client Matrix: Solid

% Moisture: 16.7

Date Sampled: 08/15/2013 1323
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90198.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 0239			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		400	U	53	400
2-Chlorophenol		400	U	52	400
2-Methylphenol		400	U	68	400
4-Methylphenol		400	U	78	400
Benzaldehyde		400	U	47	400
Acetophenone		400	U	61	400
Bis(2-chloroethyl)ether		40	U	5.4	40
2,2'-oxybis[1-chloropropane]		400	U	44	400
N-Nitrosodi-n-propylamine		40	U	6.6	40
Nitrobenzene		40	U	5.6	40
Hexachloroethane		40	U	4.4	40
Isophorone		400	U	48	400
2-Nitrophenol		400	U	44	400
2,4-Dimethylphenol		400	U	98	400
2,4-Dichlorophenol		400	U	58	400
Bis(2-chloroethoxy)methane		400	U	51	400
Naphthalene		400	U	46	400
4-Chloroaniline		400	U	110	400
Hexachlorobutadiene		80	U	9.7	80
Caprolactam		400	U	91	400
4-Chloro-3-methylphenol		400	U	60	400
2-Methylnaphthalene		400	U	51	400
Hexachlorobenzene		40	U	5.4	40
Hexachlorocyclopentadiene		400	U	47	400
2,4,6-Trichlorophenol		400	U	46	400
2,4,5-Trichlorophenol		400	U	51	400
Diphenyl		400	U	53	400
2-Chloronaphthalene		400	U	44	400
2-Nitroaniline		800	U	170	800
2,6-Dinitrotoluene		80	U	12	80
Dimethyl phthalate		400	U	47	400
Acenaphthylene		400	U	47	400
3-Nitroaniline		800	U	140	800
Acenaphthene		400	U	58	400
4-Nitrophenol		1200	U	260	1200
2,4-Dinitrophenol		1200	U	230	1200
Dibenzofuran		400	U	47	400
Diethyl phthalate		400	U	47	400
Fluorene		400	U	51	400
Fluoranthene		95	J	53	400
Di-n-butyl phthalate		400	U	49	400
2,4-Dinitrotoluene		80	U	13	80
4-Chlorophenyl phenyl ether		400	U	47	400
4-Nitroaniline		800	U	120	800
4,6-Dinitro-2-methylphenol		1200	U	110	1200
4-Bromophenyl phenyl ether		400	U	39	400

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 top**

Lab Sample ID: 460-61340-6
Client Matrix: Solid
% Moisture: 16.7

Date Sampled: 08/15/2013 1323
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90198.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 0239			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		400	U	61	400
Anthracene		400	U	48	400
Carbazole		400	U	47	400
Phenanthrene		55	J	51	400
Pentachlorophenol		1200	U	120	1200
Pyrene		100	J	33	400
Chrysene		79	J	46	400
Benzo[k]fluoranthene		40	U	3.0	40
Benzo[g,h,i]perylene		48	J	29	400
Benzo[b]fluoranthene		77		2.5	40
Benzo[a]pyrene		75		2.8	40
Benzo[a]anthracene		68		2.8	40
N-Nitrosodiphenylamine		400	U	39	400
Butyl benzyl phthalate		400	U	36	400
Bis(2-ethylhexyl) phthalate		340	J	130	400
Di-n-octyl phthalate		400	U	25	400
Indeno[1,2,3-cd]pyrene		37	J	7.4	40
Dibenz(a,h)anthracene		13	J	5.0	40
3,3'-Dichlorobenzidine		800	U	140	800
1,2,4,5-Tetrachlorobenzene		400	U	53	400
2,3,4,6-Tetrachlorophenol		400	U	52	400

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	76		38 - 105
Phenol-d5	85		41 - 118
Terphenyl-d14	87		16 - 151
2,4,6-Tribromophenol	61		10 - 120
2-Fluorophenol	81		37 - 125
2-Fluorobiphenyl	82		40 - 109

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 top**

Lab Sample ID: 460-61340-6
Client Matrix: Solid
% Moisture: 16.7

Date Sampled: 08/15/2013 1323
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90198.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 0239			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	1.59	440	J
	Unknown	1.82	69000	J

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 bottom**

Lab Sample ID: 460-61340-7
Client Matrix: Solid
% Moisture: 11.2

Date Sampled: 08/15/2013 1325
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90195.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/20/2013 0139			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		370	U	50	370
2-Chlorophenol		370	U	49	370
2-Methylphenol		370	U	63	370
4-Methylphenol		370	U	73	370
Benzaldehyde		370	U	44	370
Acetophenone		370	U	57	370
Bis(2-chloroethyl)ether		37	U	5.1	37
2,2'-oxybis[1-chloropropane]		370	U	41	370
N-Nitrosodi-n-propylamine		37	U	6.2	37
Nitrobenzene		37	U	5.3	37
Hexachloroethane		37	U	4.1	37
Isophorone		370	U	45	370
2-Nitrophenol		370	U	42	370
2,4-Dimethylphenol		370	U	92	370
2,4-Dichlorophenol		370	U	54	370
Bis(2-chloroethoxy)methane		370	U	48	370
Naphthalene		370	U	43	370
4-Chloroaniline		370	U	99	370
Hexachlorobutadiene		75	U	9.1	75
Caprolactam		370	U	86	370
4-Chloro-3-methylphenol		370	U	56	370
2-Methylnaphthalene		370	U	48	370
Hexachlorobenzene		37	U	5.1	37
Hexachlorocyclopentadiene		370	U	44	370
2,4,6-Trichlorophenol		370	U	44	370
2,4,5-Trichlorophenol		370	U	48	370
Diphenyl		370	U	50	370
2-Chloronaphthalene		370	U	42	370
2-Nitroaniline		750	U	160	750
2,6-Dinitrotoluene		75	U	11	75
Dimethyl phthalate		370	U	44	370
Acenaphthylene		370	U	44	370
3-Nitroaniline		750	U	130	750
Acenaphthene		370	U	54	370
4-Nitrophenol		1100	U	240	1100
2,4-Dinitrophenol		1100	U	210	1100
Dibenzofuran		370	U	44	370
Diethyl phthalate		370	U	44	370
Fluorene		370	U	48	370
Fluoranthene		370	U	50	370
Di-n-butyl phthalate		370	U	46	370
2,4-Dinitrotoluene		75	U	12	75
4-Chlorophenyl phenyl ether		370	U	44	370
4-Nitroaniline		750	U	120	750
4,6-Dinitro-2-methylphenol		1100	U	100	1100
4-Bromophenyl phenyl ether		370	U	37	370

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 bottom**

Lab Sample ID: 460-61340-7
Client Matrix: Solid
% Moisture: 11.2

Date Sampled: 08/15/2013 1325
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90195.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/20/2013 0139			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		370	U	57	370
Anthracene		370	U	45	370
Carbazole		370	U	44	370
Phenanthrene		370	U	47	370
Pentachlorophenol		1100	U	110	1100
Pyrene		370	U	31	370
Chrysene		370	U	43	370
Benzo[k]fluoranthene		37	U	2.8	37
Benzo[g,h,i]perylene		370	U	28	370
Benzo[b]fluoranthene		13	J	2.4	37
Benzo[a]pyrene		13	J	2.6	37
Benzo[a]anthracene		37	U	2.6	37
N-Nitrosodiphenylamine		370	U	37	370
Butyl benzyl phthalate		370	U	34	370
Bis(2-ethylhexyl) phthalate		170	J	120	370
Di-n-octyl phthalate		370	U	24	370
Indeno[1,2,3-cd]pyrene		37	U	6.9	37
Dibenz(a,h)anthracene		37	U	4.7	37
3,3'-Dichlorobenzidine		750	U	130	750
1,2,4,5-Tetrachlorobenzene		370	U	50	370
2,3,4,6-Tetrachlorophenol		370	U	48	370

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	91		38 - 105
Phenol-d5	95		41 - 118
Terphenyl-d14	106		16 - 151
2,4,6-Tribromophenol	66		10 - 120
2-Fluorophenol	94		37 - 125
2-Fluorobiphenyl	101		40 - 109

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 bottom**

Lab Sample ID: 460-61340-7
Client Matrix: Solid
% Moisture: 11.2

Date Sampled: 08/15/2013 1325
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90195.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/20/2013 0139			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
10420-90-3	1,3-Hexadien-5-yne	1.38	450	J N
	Unknown	1.57	440	J
	Unknown	1.79	57000	J

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-2 top**

Lab Sample ID: 460-61340-8
Client Matrix: Solid
% Moisture: 16.0

Date Sampled: 08/15/2013 1319
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90200.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/20/2013 0422			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		390	U	53	390
2-Chlorophenol		390	U	52	390
2-Methylphenol		390	U	67	390
4-Methylphenol		390	U	77	390
Benzaldehyde		390	U	46	390
Acetophenone		390	U	60	390
Bis(2-chloroethyl)ether		39	U	5.4	39
2,2'-oxybis[1-chloropropane]		390	U	44	390
N-Nitrosodi-n-propylamine		39	U	6.6	39
Nitrobenzene		39	U	5.6	39
Hexachloroethane		39	U	4.4	39
Isophorone		390	U	48	390
2-Nitrophenol		390	U	44	390
2,4-Dimethylphenol		390	U	97	390
2,4-Dichlorophenol		390	U	58	390
Bis(2-chloroethoxy)methane		390	U	51	390
Naphthalene		53	J	46	390
4-Chloroaniline		390	U	100	390
Hexachlorobutadiene		80	U	9.6	80
Caprolactam		390	U	91	390
4-Chloro-3-methylphenol		390	U	59	390
2-Methylnaphthalene		390	U	51	390
Hexachlorobenzene		39	U	5.4	39
Hexachlorocyclopentadiene		390	U	46	390
2,4,6-Trichlorophenol		390	U	46	390
2,4,5-Trichlorophenol		390	U	51	390
Diphenyl		390	U	53	390
2-Chloronaphthalene		390	U	44	390
2-Nitroaniline		800	U	160	800
2,6-Dinitrotoluene		80	U	12	80
Dimethyl phthalate		390	U	47	390
Acenaphthylene		140	J	47	390
3-Nitroaniline		800	U	140	800
Acenaphthene		390	U	57	390
4-Nitrophenol		1200	U	250	1200
2,4-Dinitrophenol		1200	U	220	1200
Dibenzofuran		390	U	46	390
Diethyl phthalate		390	U	47	390
Fluorene		58	J	50	390
Fluoranthene		1800		52	390
Di-n-butyl phthalate		63	J	49	390
2,4-Dinitrotoluene		80	U	13	80
4-Chlorophenyl phenyl ether		390	U	46	390
4-Nitroaniline		800	U	120	800
4,6-Dinitro-2-methylphenol		1200	U	110	1200
4-Bromophenyl phenyl ether		390	U	39	390

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-2 top**

Lab Sample ID: 460-61340-8
Client Matrix: Solid
% Moisture: 16.0
Date Sampled: 08/15/2013 1319
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90200.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/20/2013 0422			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		390	U	61	390
Anthracene		160	J	48	390
Carbazole		120	J	47	390
Phenanthrene		1100		50	390
Pentachlorophenol		1200	U	120	1200
Pyrene		1900		33	390
Chrysene		1400		46	390
Benzo[k]fluoranthene		640		3.0	39
Benzo[g,h,i]perylene		750		29	390
Benzo[b]fluoranthene		1500		2.5	39
Benzo[a]pyrene		1200		2.8	39
Benzo[a]anthracene		1000		2.7	39
N-Nitrosodiphenylamine		390	U	39	390
Butyl benzyl phthalate		390	U	36	390
Bis(2-ethylhexyl) phthalate		390	U	130	390
Di-n-octyl phthalate		390	U	25	390
Indeno[1,2,3-cd]pyrene		730		7.3	39
Dibenz(a,h)anthracene		180		5.0	39
3,3'-Dichlorobenzidine		800	U	140	800
1,2,4,5-Tetrachlorobenzene		390	U	53	390
2,3,4,6-Tetrachlorophenol		390	U	51	390

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	81		38 - 105
Phenol-d5	85		41 - 118
Terphenyl-d14	80		16 - 151
2,4,6-Tribromophenol	50		10 - 120
2-Fluorophenol	77		37 - 125
2-Fluorobiphenyl	83		40 - 109

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-2 top**

Lab Sample ID: 460-61340-8
Client Matrix: Solid
% Moisture: 16.0

Date Sampled: 08/15/2013 1319
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90200.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/20/2013 0422			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **7**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
75-09-2	Methylene Chloride	1.18	630	J N
141-79-7	3-Penten-2-one, 4-methyl-	1.39	330	J N
	Unknown	1.57	390	J
	Unknown	1.80	48000	J
84-65-1	9,10-Anthracenedione	8.52	400	J N
33543-31-6	Fluoranthene, 2-methyl-	9.43	400	J N
192-97-2	Benzo[e]pyrene	11.70	1300	J N

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 top**

Lab Sample ID: 460-61340-10
Client Matrix: Solid
% Moisture: 4.4

Date Sampled: 08/15/2013 1440
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90202.D
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Analysis Date:	08/20/2013 0502			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		340	U	46	340
2-Chlorophenol		340	U	45	340
2-Methylphenol		340	U	59	340
4-Methylphenol		340	U	68	340
Benzaldehyde		340	U	41	340
Acetophenone		340	U	53	340
Bis(2-chloroethyl)ether		34	U	4.7	34
2,2'-oxybis[1-chloropropane]		340	U	38	340
N-Nitrosodi-n-propylamine		34	U	5.8	34
Nitrobenzene		34	U	4.9	34
Hexachloroethane		34	U	3.8	34
Isophorone		290	J	42	340
2-Nitrophenol		340	U	39	340
2,4-Dimethylphenol		340	U	85	340
2,4-Dichlorophenol		340	U	51	340
Bis(2-chloroethoxy)methane		340	U	45	340
Naphthalene		340	U	40	340
4-Chloroaniline		340	U	91	340
Hexachlorobutadiene		70	U	8.4	70
Caprolactam		340	U	80	340
4-Chloro-3-methylphenol		340	U	52	340
2-Methylnaphthalene		340	U	44	340
Hexachlorobenzene		34	U	4.7	34
Hexachlorocyclopentadiene		340	U	41	340
2,4,6-Trichlorophenol		340	U	40	340
2,4,5-Trichlorophenol		340	U	45	340
Diphenyl		340	U	46	340
2-Chloronaphthalene		340	U	39	340
2-Nitroaniline		700	U	140	700
2,6-Dinitrotoluene		70	U	10	70
Dimethyl phthalate		340	U	41	340
Acenaphthylene		100	J	41	340
3-Nitroaniline		700	U	120	700
Acenaphthene		340	U	50	340
4-Nitrophenol		1000	U	220	1000
2,4-Dinitrophenol		1000	U	200	1000
Dibenzofuran		340	U	40	340
Diethyl phthalate		340	U	41	340
Fluorene		340	U	44	340
Fluoranthene		220	J	46	340
Di-n-butyl phthalate		340	U	43	340
2,4-Dinitrotoluene		70	U	11	70
4-Chlorophenyl phenyl ether		340	U	40	340
4-Nitroaniline		700	U	110	700
4,6-Dinitro-2-methylphenol		1000	U	94	1000
4-Bromophenyl phenyl ether		340	U	34	340

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 top**

Lab Sample ID: 460-61340-10
Client Matrix: Solid
% Moisture: 4.4
Date Sampled: 08/15/2013 1440
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90202.D
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Analysis Date:	08/20/2013 0502			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		340	U	53	340
Anthracene		62	J	42	340
Carbazole		47	J	41	340
Phenanthrene		220	J	44	340
Pentachlorophenol		1000	U	100	1000
Pyrene		180	J	29	340
Chrysene		150	J	40	340
Benzo[k]fluoranthene		100		2.6	34
Benzo[g,h,i]perylene		260	J	26	340
Benzo[b]fluoranthene		280		2.2	34
Benzo[a]pyrene		280		2.4	34
Benzo[a]anthracene		110		2.4	34
N-Nitrosodiphenylamine		340	U	34	340
Butyl benzyl phthalate		340	U	32	340
Bis(2-ethylhexyl) phthalate		220	J	110	340
Di-n-octyl phthalate		340	U	22	340
Indeno[1,2,3-cd]pyrene		290		6.4	34
Dibenz(a,h)anthracene		73		4.4	34
3,3'-Dichlorobenzidine		700	U	120	700
1,2,4,5-Tetrachlorobenzene		340	U	46	340
2,3,4,6-Tetrachlorophenol		340	U	45	340

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	77		38 - 105
Phenol-d5	80		41 - 118
Terphenyl-d14	75		16 - 151
2,4,6-Tribromophenol	57		10 - 120
2-Fluorophenol	82		37 - 125
2-Fluorobiphenyl	95		40 - 109

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 top**

Lab Sample ID: 460-61340-10
Client Matrix: Solid
% Moisture: 4.4

Date Sampled: 08/15/2013 1440
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90202.D
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Analysis Date:	08/20/2013 0502			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **8**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
3744-02-3	4-Penten-2-one, 4-methyl-	1.05	530	J N
75-09-2	Methylene Chloride	1.17	710	J N
141-79-7	3-Penten-2-one, 4-methyl-	1.41	18000	J N
4161-60-8	2-Pentanone, 4-hydroxy-	1.57	350	J N
	Unknown	1.80	42000	J
107-70-0	2-Pentanone, 4-methoxy-4-methyl-	2.31	740	J N
504-20-1	2,5-Heptadien-4-one, 2,6-dimethyl-	3.98	290	J N
111-06-8	Hexadecanoic acid, butyl ester	9.20	830	J N

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 bottom**

Lab Sample ID: 460-61340-11
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 08/15/2013 1435
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90204.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/20/2013 0542			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		360	U	48	360
2-Chlorophenol		360	U	47	360
2-Methylphenol		360	U	61	360
4-Methylphenol		360	U	70	360
Benzaldehyde		360	U	42	360
Acetophenone		360	U	55	360
Bis(2-chloroethyl)ether		36	U	4.9	36
2,2'-oxybis[1-chloropropane]		360	U	40	360
N-Nitrosodi-n-propylamine		36	U	6.0	36
Nitrobenzene		36	U	5.1	36
Hexachloroethane		36	U	4.0	36
Isophorone		360	U	43	360
2-Nitrophenol		360	U	40	360
2,4-Dimethylphenol		360	U	88	360
2,4-Dichlorophenol		360	U	52	360
Bis(2-chloroethoxy)methane		360	U	46	360
Naphthalene		360	U	41	360
4-Chloroaniline		360	U	95	360
Hexachlorobutadiene		72	U	8.7	72
Caprolactam		360	U	82	360
4-Chloro-3-methylphenol		360	U	54	360
2-Methylnaphthalene		360	U	46	360
Hexachlorobenzene		36	U	4.9	36
Hexachlorocyclopentadiene		360	U	42	360
2,4,6-Trichlorophenol		360	U	42	360
2,4,5-Trichlorophenol		360	U	46	360
Diphenyl		360	U	48	360
2-Chloronaphthalene		360	U	40	360
2-Nitroaniline		720	U	150	720
2,6-Dinitrotoluene		72	U	11	72
Dimethyl phthalate		360	U	42	360
Acenaphthylene		170	J	42	360
3-Nitroaniline		720	U	130	720
Acenaphthene		360	U	52	360
4-Nitrophenol		1100	U	230	1100
2,4-Dinitrophenol		1100	U	200	1100
Dibenzofuran		48	J	42	360
Diethyl phthalate		360	U	43	360
Fluorene		61	J	46	360
Fluoranthene		1500		48	360
Di-n-butyl phthalate		360	U	44	360
2,4-Dinitrotoluene		72	U	12	72
4-Chlorophenyl phenyl ether		360	U	42	360
4-Nitroaniline		720	U	110	720
4,6-Dinitro-2-methylphenol		1100	U	97	1100
4-Bromophenyl phenyl ether		360	U	35	360

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 bottom**

Lab Sample ID: 460-61340-11
Client Matrix: Solid
% Moisture: 7.5
Date Sampled: 08/15/2013 1435
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90204.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/20/2013 0542			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		360	U	55	360
Anthracene		130	J	43	360
Carbazole		93	J	42	360
Phenanthrene		1000		45	360
Pentachlorophenol		1100	U	110	1100
Pyrene		1200		30	360
Chrysene		820		42	360
Benzo[k]fluoranthene		440		2.7	36
Benzo[g,h,i]perylene		330	J	26	360
Benzo[b]fluoranthene		910		2.3	36
Benzo[a]pyrene		720		2.5	36
Benzo[a]anthracene		690		2.5	36
N-Nitrosodiphenylamine		360	U	35	360
Butyl benzyl phthalate		360	U	33	360
Bis(2-ethylhexyl) phthalate		360		120	360
Di-n-octyl phthalate		360	U	23	360
Indeno[1,2,3-cd]pyrene		370		6.6	36
Dibenz(a,h)anthracene		93		4.5	36
3,3'-Dichlorobenzidine		720	U	130	720
1,2,4,5-Tetrachlorobenzene		360	U	48	360
2,3,4,6-Tetrachlorophenol		360	U	46	360

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	85		38 - 105
Phenol-d5	87		41 - 118
Terphenyl-d14	79		16 - 151
2,4,6-Tribromophenol	62		10 - 120
2-Fluorophenol	82		37 - 125
2-Fluorobiphenyl	92		40 - 109

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 bottom**

Lab Sample ID: 460-61340-11
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 08/15/2013 1435
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90204.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/20/2013 0542			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **7**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
75-09-2	Methylene Chloride	1.14	310	J N
75-09-2	Methylene Chloride	1.18	680	J N
141-79-7	3-Penten-2-one, 4-methyl-	1.38	1300	J N
	Unknown	1.78	33000	J
111-06-8	Hexadecanoic acid, butyl ester	9.20	370	J N
192-97-2	Benzo[e]pyrene	11.71	630	J N
	Unknown	12.87	500	J

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **SB-3 top**

Lab Sample ID: 460-61340-12
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 08/15/2013 1430
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90185.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/19/2013 2143			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		390	U	52	390
2-Chlorophenol		390	U	51	390
2-Methylphenol		390	U	66	390
4-Methylphenol		390	U	76	390
Benzaldehyde		390	U	46	390
Acetophenone		390	U	60	390
Bis(2-chloroethyl)ether		39	U	5.3	39
2,2'-oxybis[1-chloropropane]		390	U	43	390
N-Nitrosodi-n-propylamine		39	U	6.5	39
Nitrobenzene		39	U	5.5	39
Hexachloroethane		39	U	4.3	39
Isophorone		390	U	47	390
2-Nitrophenol		390	U	43	390
2,4-Dimethylphenol		390	U	96	390
2,4-Dichlorophenol		390	U	57	390
Bis(2-chloroethoxy)methane		390	U	50	390
Naphthalene		390	U	45	390
4-Chloroaniline		390	U	100	390
Hexachlorobutadiene		79	U	9.5	79
Caprolactam		390	U	90	390
4-Chloro-3-methylphenol		390	U	59	390
2-Methylnaphthalene		390	U	50	390
Hexachlorobenzene		39	U	5.3	39
Hexachlorocyclopentadiene		390	U	46	390
2,4,6-Trichlorophenol		390	U	45	390
2,4,5-Trichlorophenol		390	U	50	390
Diphenyl		390	U	52	390
2-Chloronaphthalene		390	U	43	390
2-Nitroaniline		790	U	160	790
2,6-Dinitrotoluene		79	U	12	79
Dimethyl phthalate		390	U	46	390
Acenaphthylene		390	U	46	390
3-Nitroaniline		790	U	140	790
Acenaphthene		390	U	57	390
4-Nitrophenol		1200	U	250	1200
2,4-Dinitrophenol		1200	U	220	1200
Dibenzofuran		390	U	46	390
Diethyl phthalate		390	U	46	390
Fluorene		390	U	50	390
Fluoranthene		390	U	52	390
Di-n-butyl phthalate		390	U	48	390
2,4-Dinitrotoluene		79	U	13	79
4-Chlorophenyl phenyl ether		390	U	46	390
4-Nitroaniline		790	U	120	790
4,6-Dinitro-2-methylphenol		1200	U	110	1200
4-Bromophenyl phenyl ether		390	U	39	390

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **SB-3 top**

Lab Sample ID: 460-61340-12
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 08/15/2013 1430
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90185.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/19/2013 2143			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		390	U	60	390
Anthracene		390	U	47	390
Carbazole		390	U	46	390
Phenanthrene		390	U	49	390
Pentachlorophenol		1200	U	120	1200
Pyrene		390	U	33	390
Chrysene		390	U	45	390
Benzo[k]fluoranthene		39	U	2.9	39
Benzo[g,h,i]perylene		390	U	29	390
Benzo[b]fluoranthene		13	J	2.5	39
Benzo[a]pyrene		39	U	2.7	39
Benzo[a]anthracene		39	U	2.7	39
N-Nitrosodiphenylamine		390	U	38	390
Butyl benzyl phthalate		390	U	36	390
Bis(2-ethylhexyl) phthalate		390	U	130	390
Di-n-octyl phthalate		390	U	25	390
Indeno[1,2,3-cd]pyrene		39	U	7.2	39
Dibenz(a,h)anthracene		39	U	4.9	39
3,3'-Dichlorobenzidine		790	U	140	790
1,2,4,5-Tetrachlorobenzene		390	U	52	390
2,3,4,6-Tetrachlorophenol		390	U	51	390

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	85		38 - 105
Phenol-d5	92		41 - 118
Terphenyl-d14	93		16 - 151
2,4,6-Tribromophenol	89		10 - 120
2-Fluorophenol	87		37 - 125
2-Fluorobiphenyl	92		40 - 109

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **SB-3 top**

Lab Sample ID: 460-61340-12
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 08/15/2013 1430
Date Received: 08/15/2013 1630

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Prep Method:	3541	Prep Batch:	460-176474	Lab File ID:	U90185.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/19/2013 2143			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
141-79-7	3-Penten-2-one, 4-methyl-	1.38	2400	J N
	Unknown	1.80	60000	J

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 top**

Lab Sample ID: 460-61340-1
Client Matrix: Solid

% Moisture: 14.8

Date Sampled: 08/15/2013 1115
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1041			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.9	U	1.6	7.9
alpha-BHC		7.9	U	1.8	7.9
beta-BHC		7.9	U	1.9	7.9
delta-BHC		7.9	U	1.4	7.9
gamma-BHC (Lindane)		7.9	U	1.4	7.9
Chlordane		79	U	22	79
4,4'-DDD		7.9	U	1.5	7.9
4,4'-DDE		11	p	1.5	7.9
4,4'-DDT		41		1.9	7.9
Dieldrin		7.9	U	1.4	7.9
Endosulfan I		7.9	U	1.8	7.9
Endosulfan II		7.9	U	1.5	7.9
Endosulfan sulfate		7.9	U	1.5	7.9
Endrin		7.9	U	1.9	7.9
Endrin aldehyde		7.9	U	1.2	7.9
Endrin ketone		7.9	U	1.5	7.9
Heptachlor		7.9	U	1.9	7.9
Heptachlor epoxide		7.9	U	1.8	7.9
Methoxychlor		7.9	U	1.9	7.9
Toxaphene		79	U	21	79

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		37 - 150
DCB Decachlorobiphenyl	117		60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 top**

Lab Sample ID: 460-61340-1
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 08/15/2013 1115
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1041			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		37 - 150
DCB Decachlorobiphenyl	107		60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 bottom**

Lab Sample ID: 460-61340-2
Client Matrix: Solid
% Moisture: 11.8

Date Sampled: 08/15/2013 1120
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1056			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.6	U	1.6	7.6
alpha-BHC		7.6	U	1.7	7.6
beta-BHC		7.6	U	1.8	7.6
delta-BHC		7.6	U	1.4	7.6
gamma-BHC (Lindane)		7.6	U	1.4	7.6
Chlordane		76	U	21	76
4,4'-DDD		7.6	U	1.5	7.6
4,4'-DDE		7.6	U	1.5	7.6
4,4'-DDT		7.6	U	1.8	7.6
Dieldrin		7.6	U	1.4	7.6
Endosulfan I		7.6	U	1.7	7.6
Endosulfan II		7.6	U	1.5	7.6
Endosulfan sulfate		7.6	U	1.5	7.6
Endrin		7.6	U	1.8	7.6
Endrin aldehyde		7.6	U	1.1	7.6
Endrin ketone		7.6	U	1.5	7.6
Heptachlor		7.6	U	1.8	7.6
Heptachlor epoxide		7.6	U	1.7	7.6
Methoxychlor		7.6	U	1.8	7.6
Toxaphene		76	U	20	76

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	136		37 - 150
DCB Decachlorobiphenyl	155	*	60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 bottom**

Lab Sample ID: 460-61340-2
Client Matrix: Solid
% Moisture: 11.8

Date Sampled: 08/15/2013 1120
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1056			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	129		37 - 150
DCB Decachlorobiphenyl	141		60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-1 top**

Lab Sample ID: 460-61340-3
Client Matrix: Solid
% Moisture: 12.9
Date Sampled: 08/15/2013 1125
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1112			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.7	U	1.6	7.7
alpha-BHC		7.7	U	1.7	7.7
beta-BHC		7.7	U	1.8	7.7
delta-BHC		7.7	U	1.4	7.7
gamma-BHC (Lindane)		7.7	U	1.4	7.7
Chlordane		77	U	22	77
4,4'-DDD		7.7	U	1.5	7.7
4,4'-DDE		7.7	U	1.5	7.7
4,4'-DDT		8.4		1.8	7.7
Dieldrin		7.7	U	1.4	7.7
Endosulfan I		7.7	U	1.7	7.7
Endosulfan II		7.7	U	1.5	7.7
Endosulfan sulfate		7.7	U	1.5	7.7
Endrin		7.7	U	1.8	7.7
Endrin aldehyde		7.7	U	1.1	7.7
Endrin ketone		7.7	U	1.5	7.7
Heptachlor		7.7	U	1.8	7.7
Heptachlor epoxide		7.7	U	1.7	7.7
Methoxychlor		7.7	U	1.8	7.7
Toxaphene		77	U	21	77

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	116		37 - 150
DCB Decachlorobiphenyl	140		60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-1 top**

Lab Sample ID: 460-61340-3
Client Matrix: Solid
% Moisture: 12.9

Date Sampled: 08/15/2013 1125
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1112			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	111		37 - 150
DCB Decachlorobiphenyl	125		60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **TW-1**

Lab Sample ID: 460-61340-5
Client Matrix: Water

Date Sampled: 08/15/2013 1210
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-177340	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-176655	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/21/2013 1323			Injection Volume:	1 uL
Prep Date:	08/17/2013 0950			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.050	U	0.038	0.050
alpha-BHC	0.050	U	0.036	0.050
beta-BHC	0.050	U	0.037	0.050
delta-BHC	0.050	U	0.033	0.050
gamma-BHC (Lindane)	0.050	U	0.035	0.050
Chlordane	0.50	U	0.21	0.50
4,4'-DDD	0.33		0.036	0.050
4,4'-DDE	0.31		0.035	0.050
4,4'-DDT	0.62		0.036	0.050
Dieldrin	0.050	U	0.033	0.050
Endosulfan I	0.050	U	0.034	0.050
Endosulfan II	0.050	U	0.035	0.050
Endosulfan sulfate	0.050	U	0.037	0.050
Endrin	0.050	U	0.034	0.050
Endrin aldehyde	0.050	U	0.035	0.050
Endrin ketone	0.050	U	0.037	0.050
Heptachlor	0.050	U	0.037	0.050
Heptachlor epoxide	0.050	U	0.035	0.050
Methoxychlor	0.050	U	0.045	0.050
Toxaphene	0.50	U	0.34	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		49 - 132
DCB Decachlorobiphenyl	62		37 - 144

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **TW-1**

Lab Sample ID: 460-61340-5
Client Matrix: Water

Date Sampled: 08/15/2013 1210
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-177340	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-176655	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/21/2013 1323			Injection Volume:	1 uL
Prep Date:	08/17/2013 0950			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	95		49 - 132
DCB Decachlorobiphenyl	62		37 - 144

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 top**

Lab Sample ID: 460-61340-6
Client Matrix: Solid
% Moisture: 16.7

Date Sampled: 08/15/2013 1323
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1126			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.0	U	1.7	8.0
alpha-BHC		8.0	U	1.8	8.0
beta-BHC		8.0	U	1.9	8.0
delta-BHC		8.0	U	1.4	8.0
gamma-BHC (Lindane)		8.0	U	1.4	8.0
Chlordane		80	U	23	80
4,4'-DDD		8.0	U	1.6	8.0
4,4'-DDE		8.0	U	1.6	8.0
4,4'-DDT		8.0	U	1.9	8.0
Dieldrin		8.0	U	1.4	8.0
Endosulfan I		8.0	U	1.8	8.0
Endosulfan II		8.0	U	1.6	8.0
Endosulfan sulfate		8.0	U	1.6	8.0
Endrin		8.0	U	1.9	8.0
Endrin aldehyde		8.0	U	1.2	8.0
Endrin ketone		8.0	U	1.6	8.0
Heptachlor		8.0	U	1.9	8.0
Heptachlor epoxide		8.0	U	1.8	8.0
Methoxychlor		8.0	U	1.9	8.0
Toxaphene		80	U	22	80

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	103		37 - 150
DCB Decachlorobiphenyl	112		60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 top**

Lab Sample ID: 460-61340-6
Client Matrix: Solid
% Moisture: 16.7
Date Sampled: 08/15/2013 1323
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1126			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		37 - 150
DCB Decachlorobiphenyl	106		60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 bottom**

Lab Sample ID: 460-61340-7
Client Matrix: Solid
% Moisture: 11.2

Date Sampled: 08/15/2013 1325
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1141			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.5	U	1.6	7.5
alpha-BHC		7.5	U	1.7	7.5
beta-BHC		7.5	U	1.8	7.5
delta-BHC		7.5	U	1.4	7.5
gamma-BHC (Lindane)		7.5	U	1.4	7.5
Chlordane		75	U	21	75
4,4'-DDD		7.5	U	1.5	7.5
4,4'-DDE		7.5	U	1.5	7.5
4,4'-DDT		7.5	U	1.8	7.5
Dieldrin		7.5	U	1.4	7.5
Endosulfan I		7.5	U	1.7	7.5
Endosulfan II		7.5	U	1.5	7.5
Endosulfan sulfate		7.5	U	1.5	7.5
Endrin		7.5	U	1.8	7.5
Endrin aldehyde		7.5	U	1.1	7.5
Endrin ketone		7.5	U	1.5	7.5
Heptachlor		7.5	U	1.8	7.5
Heptachlor epoxide		7.5	U	1.7	7.5
Methoxychlor		7.5	U	1.8	7.5
Toxaphene		75	U	20	75

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	141		37 - 150
DCB Decachlorobiphenyl	160	*	60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 bottom**

Lab Sample ID: 460-61340-7
Client Matrix: Solid
% Moisture: 11.2

Date Sampled: 08/15/2013 1325
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1141			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	134		37 - 150
DCB Decachlorobiphenyl	145		60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-2 top**

Lab Sample ID: 460-61340-8
Client Matrix: Solid
% Moisture: 16.0

Date Sampled: 08/15/2013 1319
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1157			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.0	U	1.7	8.0
alpha-BHC		8.0	U	1.8	8.0
beta-BHC		8.0	U	1.9	8.0
delta-BHC		8.0	U	1.4	8.0
gamma-BHC (Lindane)		8.0	U	1.4	8.0
Chlordane		80	U	23	80
4,4'-DDD		8.0	U	1.5	8.0
4,4'-DDE		8.0	U	1.5	8.0
4,4'-DDT		14		1.9	8.0
Dieldrin		8.0	U	1.4	8.0
Endosulfan I		8.0	U	1.8	8.0
Endosulfan II		8.0	U	1.5	8.0
Endosulfan sulfate		8.0	U	1.5	8.0
Endrin		8.0	U	1.9	8.0
Endrin aldehyde		8.0	U	1.2	8.0
Endrin ketone		8.0	U	1.5	8.0
Heptachlor		8.0	U	1.9	8.0
Heptachlor epoxide		8.0	U	1.8	8.0
Methoxychlor		8.0	U	1.9	8.0
Toxaphene		80	U	21	80

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	140		37 - 150
DCB Decachlorobiphenyl	160	*	60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-2 top**

Lab Sample ID: 460-61340-8
Client Matrix: Solid
% Moisture: 16.0

Date Sampled: 08/15/2013 1319
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1157			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	133		37 - 150
DCB Decachlorobiphenyl	143		60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 top**

Lab Sample ID: 460-61340-10
Client Matrix: Solid
% Moisture: 4.4
Date Sampled: 08/15/2013 1440
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1212			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.0	U	1.5	7.0
alpha-BHC		7.0	U	1.6	7.0
beta-BHC		7.0	U	1.7	7.0
delta-BHC		7.0	U	1.3	7.0
gamma-BHC (Lindane)		7.0	U	1.3	7.0
Chlordane		70	U	20	70
4,4'-DDD		7.0	U	1.4	7.0
4,4'-DDE		7.0	U	1.4	7.0
4,4'-DDT		7.0	U	1.7	7.0
Dieldrin		7.0	U	1.3	7.0
Endosulfan I		7.0	U	1.6	7.0
Endosulfan II		7.0	U	1.4	7.0
Endosulfan sulfate		7.0	U	1.4	7.0
Endrin		7.0	U	1.7	7.0
Endrin aldehyde		7.0	U	1.0	7.0
Endrin ketone		7.0	U	1.4	7.0
Heptachlor		7.0	U	1.7	7.0
Heptachlor epoxide		7.0	U	1.6	7.0
Methoxychlor		7.0	U	1.7	7.0
Toxaphene		70	U	19	70

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	103		37 - 150
DCB Decachlorobiphenyl	113		60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 top**

Lab Sample ID: 460-61340-10
Client Matrix: Solid
% Moisture: 4.4
Date Sampled: 08/15/2013 1440
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1212			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		37 - 150
DCB Decachlorobiphenyl	104		60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 bottom**

Lab Sample ID: 460-61340-11
Client Matrix: Solid
% Moisture: 7.5
Date Sampled: 08/15/2013 1435
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1227			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.2	U	1.5	7.2
alpha-BHC		7.2	U	1.6	7.2
beta-BHC		7.2	U	1.7	7.2
delta-BHC		7.2	U	1.3	7.2
gamma-BHC (Lindane)		7.2	U	1.3	7.2
Chlordane		72	U	21	72
4,4'-DDD		7.2	U	1.4	7.2
4,4'-DDE		7.2	U	1.4	7.2
4,4'-DDT		7.2	U	1.7	7.2
Dieldrin		7.2	U	1.3	7.2
Endosulfan I		7.2	U	1.6	7.2
Endosulfan II		7.2	U	1.4	7.2
Endosulfan sulfate		7.2	U	1.4	7.2
Endrin		7.2	U	1.7	7.2
Endrin aldehyde		7.2	U	1.1	7.2
Endrin ketone		7.2	U	1.4	7.2
Heptachlor		7.2	U	1.7	7.2
Heptachlor epoxide		7.2	U	1.6	7.2
Methoxychlor		7.2	U	1.7	7.2
Toxaphene		72	U	19	72

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	122		37 - 150
DCB Decachlorobiphenyl	128		60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 bottom**

Lab Sample ID: 460-61340-11
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 08/15/2013 1435
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1227			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	112		37 - 150
DCB Decachlorobiphenyl	121		60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **SB-3 top**

Lab Sample ID: 460-61340-12
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 08/15/2013 1430
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1242			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.9	U	1.6	7.9
alpha-BHC		7.9	U	1.8	7.9
beta-BHC		7.9	U	1.9	7.9
delta-BHC		7.9	U	1.4	7.9
gamma-BHC (Lindane)		7.9	U	1.4	7.9
Chlordane		79	U	22	79
4,4'-DDD		7.9	U	1.5	7.9
4,4'-DDE		7.9	U	1.5	7.9
4,4'-DDT		7.9	U	1.9	7.9
Dieldrin		7.9	U	1.4	7.9
Endosulfan I		7.9	U	1.8	7.9
Endosulfan II		7.9	U	1.5	7.9
Endosulfan sulfate		7.9	U	1.5	7.9
Endrin		7.9	U	1.9	7.9
Endrin aldehyde		7.9	U	1.2	7.9
Endrin ketone		7.9	U	1.5	7.9
Heptachlor		7.9	U	1.9	7.9
Heptachlor epoxide		7.9	U	1.8	7.9
Methoxychlor		7.9	U	1.9	7.9
Toxaphene		79	U	21	79

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	140		37 - 150
DCB Decachlorobiphenyl	161	*	60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **SB-3 top**

Lab Sample ID: 460-61340-12
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 08/15/2013 1430
Date Received: 08/15/2013 1630

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176446	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1242			Injection Volume:	1 uL
Prep Date:	08/16/2013 0412			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	134		37 - 150
DCB Decachlorobiphenyl	142		60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 top**

Lab Sample ID: 460-61340-1
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 08/15/2013 1115
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176479	Instrument ID:	CPESTGC9
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1015			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		78	U	18	78
Aroclor 1221		78	U	18	78
Aroclor 1232		78	U	18	78
Aroclor 1242		78	U	18	78
Aroclor 1248		78	U	18	78
Aroclor 1254		78	U	22	78
Aroclor 1260		78	U	22	78
Aroclor 1262		78	U	22	78
Aroclor 1268		78	U	22	78

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	124		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 top**

Lab Sample ID: 460-61340-1
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 08/15/2013 1115
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176479	Instrument ID:	CPESTGC9
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1015			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	99		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 bottom**

Lab Sample ID: 460-61340-2
Client Matrix: Solid
% Moisture: 11.8

Date Sampled: 08/15/2013 1120
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176548	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1343			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		76	U	17	76
Aroclor 1221		76	U	17	76
Aroclor 1232		76	U	17	76
Aroclor 1242		76	U	17	76
Aroclor 1248		76	U	17	76
Aroclor 1254		76	U	22	76
Aroclor 1260		76	U	22	76
Aroclor 1262		76	U	22	76
Aroclor 1268		76	U	22	76

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 bottom**

Lab Sample ID: 460-61340-2
Client Matrix: Solid
% Moisture: 11.8
Date Sampled: 08/15/2013 1120
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176548	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1343			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-1 top**

Lab Sample ID: 460-61340-3
Client Matrix: Solid
% Moisture: 12.9

Date Sampled: 08/15/2013 1125
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176548	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1402			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		77	U	17	77
Aroclor 1221		77	U	17	77
Aroclor 1232		77	U	17	77
Aroclor 1242		77	U	17	77
Aroclor 1248		77	U	17	77
Aroclor 1254		77	U	22	77
Aroclor 1260		77	U	22	77
Aroclor 1262		77	U	22	77
Aroclor 1268		77	U	22	77

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-1 top**

Lab Sample ID: 460-61340-3
Client Matrix: Solid
% Moisture: 12.9
Date Sampled: 08/15/2013 1125
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176548	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1402			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **TW-1**

Lab Sample ID: 460-61340-5
Client Matrix: Water

Date Sampled: 08/15/2013 1210
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-177522	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-176654	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/22/2013 0942			Injection Volume:	1 uL
Prep Date:	08/17/2013 0946			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	0.40	U *	0.27	0.40
Aroclor 1221	0.40	U	0.27	0.40
Aroclor 1232	0.40	U	0.27	0.40
Aroclor 1242	0.40	U	0.27	0.40
Aroclor 1248	0.40	U	0.27	0.40
Aroclor 1254	0.40	U	0.21	0.40
Aroclor 1260	0.40	U	0.21	0.40
Aroclor 1262	0.40	U	0.21	0.40
Aroclor 1268	0.40	U	0.21	0.40
Polychlorinated biphenyls, Total	0.40	U	0.27	0.40

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	64		37 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **TW-1**

Lab Sample ID: 460-61340-5
Client Matrix: Water

Date Sampled: 08/15/2013 1210
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-177522	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-176654	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/22/2013 0942			Injection Volume:	1 uL
Prep Date:	08/17/2013 0946			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	55		37 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 top**

Lab Sample ID: 460-61340-6
Client Matrix: Solid
% Moisture: 16.7

Date Sampled: 08/15/2013 1323
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176548	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1421			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		80	U	18	80
Aroclor 1221		80	U	18	80
Aroclor 1232		80	U	18	80
Aroclor 1242		80	U	18	80
Aroclor 1248		80	U	18	80
Aroclor 1254		80	U	23	80
Aroclor 1260		80	U	23	80
Aroclor 1262		80	U	23	80
Aroclor 1268		80	U	23	80

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 top**

Lab Sample ID: 460-61340-6
Client Matrix: Solid
% Moisture: 16.7

Date Sampled: 08/15/2013 1323
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176548	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1421			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 bottom**

Lab Sample ID: 460-61340-7
Client Matrix: Solid
% Moisture: 11.2

Date Sampled: 08/15/2013 1325
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176548	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1440			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		75	U	17	75
Aroclor 1221		75	U	17	75
Aroclor 1232		75	U	17	75
Aroclor 1242		75	U	17	75
Aroclor 1248		75	U	17	75
Aroclor 1254		75	U	21	75
Aroclor 1260		75	U	21	75
Aroclor 1262		75	U	21	75
Aroclor 1268		75	U	21	75

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 bottom**

Lab Sample ID: 460-61340-7
Client Matrix: Solid
% Moisture: 11.2
Date Sampled: 08/15/2013 1325
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176548	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1440			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-2 top**

Lab Sample ID: 460-61340-8
Client Matrix: Solid
% Moisture: 16.0

Date Sampled: 08/15/2013 1319
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176548	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1457			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		80	U	18	80
Aroclor 1221		80	U	18	80
Aroclor 1232		80	U	18	80
Aroclor 1242		80	U	18	80
Aroclor 1248		80	U	18	80
Aroclor 1254		80	U	23	80
Aroclor 1260		80	U	23	80
Aroclor 1262		80	U	23	80
Aroclor 1268		80	U	23	80

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-2 top**

Lab Sample ID: 460-61340-8
Client Matrix: Solid
% Moisture: 16.0
Date Sampled: 08/15/2013 1319
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176548	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1457			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 top**

Lab Sample ID: 460-61340-10
Client Matrix: Solid
% Moisture: 4.4
Date Sampled: 08/15/2013 1440
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176548	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1511			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	16	70
Aroclor 1221		70	U	16	70
Aroclor 1232		70	U	16	70
Aroclor 1242		70	U	16	70
Aroclor 1248		70	U	16	70
Aroclor 1254		70	U	20	70
Aroclor 1260		70	U	20	70
Aroclor 1262		70	U	20	70
Aroclor 1268		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	96		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 top**

Lab Sample ID: 460-61340-10
Client Matrix: Solid
% Moisture: 4.4
Date Sampled: 08/15/2013 1440
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176548	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1511			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 bottom**

Lab Sample ID: 460-61340-11
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 08/15/2013 1435
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176548	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1526			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		72	U	16	72
Aroclor 1221		72	U	16	72
Aroclor 1232		72	U	16	72
Aroclor 1242		72	U	16	72
Aroclor 1248		72	U	16	72
Aroclor 1254		72	U	21	72
Aroclor 1260		72	U	21	72
Aroclor 1262		72	U	21	72
Aroclor 1268		72	U	21	72

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 bottom**

Lab Sample ID: 460-61340-11
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 08/15/2013 1435
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176548	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1526			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	99		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **SB-3 top**

Lab Sample ID: 460-61340-12
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 08/15/2013 1430
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176548	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1545			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		79	U	18	79
Aroclor 1221		79	U	18	79
Aroclor 1232		79	U	18	79
Aroclor 1242		79	U	18	79
Aroclor 1248		79	U	18	79
Aroclor 1254		79	U	22	79
Aroclor 1260		79	U	22	79
Aroclor 1262		79	U	22	79
Aroclor 1268		79	U	22	79

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	86		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **SB-3 top**

Lab Sample ID: 460-61340-12
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 08/15/2013 1430
Date Received: 08/15/2013 1630

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176548	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176445	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/16/2013 1545			Injection Volume:	1 uL
Prep Date:	08/16/2013 0409			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	83		45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 top**

Lab Sample ID: 460-61340-1
Client Matrix: Solid
% Moisture: 14.8

Date Sampled: 08/15/2013 1115
Date Received: 08/15/2013 1630

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Analysis Method:	NJDEP EPH	Analysis Batch:	460-176787	Instrument ID:	CBNAGC1
Prep Method:	3546	Prep Batch:	460-176558	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/19/2013 1630			Injection Volume:	1 uL
Prep Date:	08/16/2013 1346			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total EPH (C9-C40)		120		2.3	2.3

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	97		40 - 140
1-Chlorooctadecane	104		40 - 140

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 bottom**

Lab Sample ID: 460-61340-2
Client Matrix: Solid
% Moisture: 11.8
Date Sampled: 08/15/2013 1120
Date Received: 08/15/2013 1630

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Analysis Method:	NJDEP EPH	Analysis Batch:	460-176787	Instrument ID:	CBNAGC1
Prep Method:	3546	Prep Batch:	460-176558	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/19/2013 1644			Injection Volume:	1 uL
Prep Date:	08/16/2013 1346			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total EPH (C9-C40)		58		2.3	2.3

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	74		40 - 140
1-Chlorooctadecane	80		40 - 140

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 top**

Lab Sample ID: 460-61340-6
Client Matrix: Solid
% Moisture: 16.7

Date Sampled: 08/15/2013 1323
Date Received: 08/15/2013 1630

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Analysis Method:	NJDEP EPH	Analysis Batch:	460-176787	Instrument ID:	CBNAGC1
Prep Method:	3546	Prep Batch:	460-176558	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/19/2013 1659			Injection Volume:	1 uL
Prep Date:	08/16/2013 1346			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total EPH (C9-C40)		61		2.4	2.4

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	102		40 - 140
1-Chlorooctadecane	107		40 - 140

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 bottom**

Lab Sample ID: 460-61340-7
Client Matrix: Solid
% Moisture: 11.2

Date Sampled: 08/15/2013 1325
Date Received: 08/15/2013 1630

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Analysis Method:	NJDEP EPH	Analysis Batch:	460-176787	Instrument ID:	CBNAGC1
Prep Method:	3546	Prep Batch:	460-176558	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/19/2013 1713			Injection Volume:	1 uL
Prep Date:	08/16/2013 1346			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total EPH (C9-C40)		80		2.2	2.2

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	89		40 - 140
1-Chlorooctadecane	91		40 - 140

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 top**

Lab Sample ID: 460-61340-10
Client Matrix: Solid
% Moisture: 4.4
Date Sampled: 08/15/2013 1440
Date Received: 08/15/2013 1630

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Analysis Method:	NJDEP EPH	Analysis Batch:	460-176787	Instrument ID:	CBNAGC1
Prep Method:	3546	Prep Batch:	460-176558	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/19/2013 1728			Injection Volume:	1 uL
Prep Date:	08/16/2013 1346			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total EPH (C9-C40)		110		2.1	2.1

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	68		40 - 140
1-Chlorooctadecane	77		40 - 140

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 bottom**

Lab Sample ID: 460-61340-11
Client Matrix: Solid
% Moisture: 7.5

Date Sampled: 08/15/2013 1435
Date Received: 08/15/2013 1630

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Analysis Method:	NJDEP EPH	Analysis Batch:	460-176977	Instrument ID:	CBNAGC1
Prep Method:	3546	Prep Batch:	460-176886	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/20/2013 0555			Injection Volume:	1 uL
Prep Date:	08/19/2013 1335			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total EPH (C9-C40)		320		2.2	2.2

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	61		40 - 140
1-Chlorooctadecane	61		40 - 140

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 top**

Lab Sample ID: 460-61340-1
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 08/15/2013 1115
Date Received: 08/15/2013 1630

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	490-101629	Instrument ID:	ICP5
Prep Method:	3051A	Prep Batch:	490-101208	Lab File ID:	TALS_082113-5RUSH
Dilution:	1.0			Initial Weight/Volume:	0.495 g
Analysis Date:	08/21/2013 1010			Final Weight/Volume:	100 mL
Prep Date:	08/20/2013 0924				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sulfur		755	B	6.5	59.3

Analysis Method:	6010B	Analysis Batch:	460-176718	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176602	Lab File ID:	08182013.asc
Dilution:	4.0			Initial Weight/Volume:	1.08 g
Analysis Date:	08/17/2013 1401			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9110		19.8	43.5
Antimony		2.2	U	1.3	2.2
Arsenic		6.5		1.0	1.1
Barium		891		1.2	43.5
Beryllium		0.35	J	0.16	0.43
Cadmium		0.47	J	0.16	1.1
Calcium		53800		76.9	1090
Chromium		14.5		0.93	2.2
Cobalt		5.0	J	0.93	10.9
Copper		36.5		2.1	5.4
Iron		15600		13.2	32.6
Lead		1110		0.93	1.1
Magnesium		4470		78.2	1090
Manganese		328		0.96	3.3
Nickel		13.1		0.96	8.7
Potassium		1360		116	1090
Selenium		2.2	U	1.4	2.2
Silver		0.58	J	0.22	2.2
Sodium		929	J	172	1090
Thallium		2.2	U	1.2	2.2
Vanadium		40.7		0.83	10.9
Zinc		546		1.2	6.5

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-176833	Lab File ID:	08192013.asc
Dilution:	5.0	Leach Batch:	460-176731	Initial Weight/Volume:	50 mL
Analysis Date:	08/19/2013 2143			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1021				
Leach Date:	08/18/2013 1400				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		25.0	U	18.6	25.0

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 top**

Lab Sample ID: 460-61340-1
Client Matrix: Solid

Date Sampled: 08/15/2013 1115
Date Received: 08/15/2013 1630

6010B Metals (ICP)-TCLP

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Barium		700	J	29.7	1000
Cadmium		4.2	J	4.1	25.0
Chromium		50.0	U	22.3	50.0
Lead		305		20.1	25.0
Selenium		50.0	U	28.8	50.0
Silver		50.0	U	6.7	50.0

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	460-176890	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-176851	Lab File ID:	176851hg1.PRN
Dilution:	1.0	Leach Batch:	460-176731	Initial Weight/Volume:	30 mL
Analysis Date:	08/19/2013 1313			Final Weight/Volume:	30 mL
Prep Date:	08/19/2013 1105				
Leach Date:	08/18/2013 1400				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Mercury		0.20	U	0.16	0.20

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176585	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176492	Lab File ID:	176492.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	08/16/2013 1423			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 0927				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.84		0.014	0.020

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 bottom**

Lab Sample ID: 460-61340-2
Client Matrix: Solid
% Moisture: 11.8
Date Sampled: 08/15/2013 1120
Date Received: 08/15/2013 1630

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	490-101629	Instrument ID:	ICP5
Prep Method:	3051A	Prep Batch:	490-101208	Lab File ID:	TALS_082113-5RUSH
Dilution:	1.0			Initial Weight/Volume:	0.513 g
Analysis Date:	08/21/2013 1032			Final Weight/Volume:	100 mL
Prep Date:	08/20/2013 0924				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sulfur		358	B	6.1	55.3

Analysis Method:	6010B	Analysis Batch:	460-176718	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176602	Lab File ID:	08182013.asc
Dilution:	4.0			Initial Weight/Volume:	1.26 g
Analysis Date:	08/17/2013 1429			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7710		16.4	36.0
Antimony		1.8	U	1.1	1.8
Arsenic		0.90	U	0.85	0.90
Barium		117		1.0	36.0
Beryllium		0.18	J	0.13	0.36
Cadmium		0.90	U	0.13	0.90
Calcium		5030		63.7	900
Chromium		22.9		0.77	1.8
Cobalt		7.2	J	0.77	9.0
Copper		35.4		1.7	4.5
Iron		12500		10.9	27.0
Lead		42.3		0.77	0.90
Magnesium		3220		64.8	900
Manganese		337		0.79	2.7
Nickel		14.6		0.79	7.2
Potassium		2240		96.3	900
Selenium		1.8	U	1.2	1.8
Silver		0.30	J	0.18	1.8
Sodium		327	J	142	900
Thallium		1.8	U	1.0	1.8
Vanadium		23.0		0.69	9.0
Zinc		73.0		0.97	5.4

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-176833	Lab File ID:	08192013.asc
Dilution:	5.0	Leach Batch:	460-176731	Initial Weight/Volume:	50 mL
Analysis Date:	08/19/2013 2147			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1021				
Leach Date:	08/18/2013 1400				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		25.0	U	18.6	25.0

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-1 bottom**

Lab Sample ID: 460-61340-2
Client Matrix: Solid

Date Sampled: 08/15/2013 1120
Date Received: 08/15/2013 1630

6010B Metals (ICP)-TCLP

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Barium		911	J	29.7	1000
Cadmium		25.0	U	4.1	25.0
Chromium		50.0	U	22.3	50.0
Lead		170		20.1	25.0
Selenium		50.0	U	28.8	50.0
Silver		50.0	U	6.7	50.0

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	460-176890	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-176851	Lab File ID:	176851hg1.PRN
Dilution:	1.0	Leach Batch:	460-176731	Initial Weight/Volume:	30 mL
Analysis Date:	08/19/2013 1315			Final Weight/Volume:	30 mL
Prep Date:	08/19/2013 1105				
Leach Date:	08/18/2013 1400				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Mercury		0.20	U	0.16	0.20

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176585	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176492	Lab File ID:	176492.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	08/16/2013 1425			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 0927				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.060		0.013	0.018

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-1 top**

Lab Sample ID: 460-61340-3
Client Matrix: Solid
% Moisture: 12.9
Date Sampled: 08/15/2013 1125
Date Received: 08/15/2013 1630

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176718	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176602	Lab File ID:	08182013.asc
Dilution:	4.0			Initial Weight/Volume:	1.19 g
Analysis Date:	08/17/2013 1433			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		8.2		0.91	0.96
Barium		1300		1.1	38.6
Cadmium		2.1		0.14	0.96
Chromium		155		0.83	1.9
Lead		1830		0.83	0.96
Selenium		1.8	J	1.3	1.9
Silver		0.61	J	0.19	1.9

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176585	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176492	Lab File ID:	176492.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	08/16/2013 1431			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 0927				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.78		0.013	0.019

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-1 bottom**

Lab Sample ID: 460-61340-4
Client Matrix: Solid
% Moisture: 11.0

Date Sampled: 08/15/2013 1130
Date Received: 08/15/2013 1630

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176718	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176602	Lab File ID:	08182013.asc
Dilution:	4.0			Initial Weight/Volume:	1.22 g
Analysis Date:	08/17/2013 1437			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		0.92	U	0.87	0.92
Barium		64.1		1.1	36.8
Cadmium		0.92	U	0.14	0.92
Chromium		15.1		0.79	1.8
Lead		11.3		0.79	0.92
Selenium		1.8	U	1.2	1.8
Silver		0.40	J	0.18	1.8

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176585	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176492	Lab File ID:	176492.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	08/16/2013 1434			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 0927				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.019	U	0.013	0.019

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **TW-1**

Lab Sample ID: 460-61340-5
Client Matrix: Water

Date Sampled: 08/15/2013 1210
Date Received: 08/15/2013 1630

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176544	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-176532	Lab File ID:	08162013.asc
Dilution:	2.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/16/2013 1825			Final Weight/Volume:	100 mL
Prep Date:	08/16/2013 1134				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	57.3		7.5	10.0
Barium	12600		11.9	400
Cadmium	6.4	J	1.6	10.0
Chromium	1210		8.9	20.0
Lead	7160		8.0	10.0
Selenium	20.0	U	11.5	20.0
Silver	20.0	U	2.7	20.0

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	460-177387	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-176749	Lab File ID:	08212013.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/21/2013 1346			Final Weight/Volume:	100 mL
Prep Date:	08/18/2013 1622				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	5.0	U	3.7	5.0
Barium	226		5.9	200
Cadmium	5.0	U	0.82	5.0
Chromium	10.0	U	4.5	10.0
Lead	5.0	U	4.0	5.0
Selenium	10.0	U	5.8	10.0
Silver	10.0	U	1.3	10.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-176519	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-176456	Lab File ID:	176456HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/16/2013 0921			Final Weight/Volume:	30 mL
Prep Date:	08/16/2013 0550				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	3.4		0.16	0.20

7470A Mercury (CVAA)-Dissolved

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **TW-1**

Lab Sample ID: 460-61340-5
Client Matrix: Water

Date Sampled: 08/15/2013 1210
Date Received: 08/15/2013 1630

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-176519	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-176458	Lab File ID:	176456HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/16/2013 1047			Final Weight/Volume:	30 mL
Prep Date:	08/16/2013 0550				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 top**

Lab Sample ID: 460-61340-6
Client Matrix: Solid

% Moisture: 16.7

Date Sampled: 08/15/2013 1323
Date Received: 08/15/2013 1630

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	490-101629	Instrument ID:	ICP5
Prep Method:	3051A	Prep Batch:	490-101208	Lab File ID:	TALS_082113-5RUSH
Dilution:	1.0			Initial Weight/Volume:	0.505 g
Analysis Date:	08/21/2013 1035			Final Weight/Volume:	100 mL
Prep Date:	08/20/2013 0924				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sulfur		83.7	B	6.5	59.4

Analysis Method:	6010B	Analysis Batch:	460-176718	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176602	Lab File ID:	08182013.asc
Dilution:	4.0			Initial Weight/Volume:	1.14 g
Analysis Date:	08/17/2013 1440			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		13100		19.2	42.1
Antimony		2.1	U	1.3	2.1
Arsenic		5.0		0.99	1.1
Barium		78.6		1.2	42.1
Beryllium		0.34	J	0.15	0.42
Cadmium		1.1	U	0.16	1.1
Calcium		1590		74.6	1050
Chromium		19.1		0.91	2.1
Cobalt		6.4	J	0.90	10.5
Copper		42.4		2.0	5.3
Iron		21800		12.7	31.6
Lead		201		0.91	1.1
Magnesium		3330		75.8	1050
Manganese		215		0.93	3.2
Nickel		17.2		0.93	8.4
Potassium		1620		113	1050
Selenium		2.3		1.4	2.1
Silver		0.54	J	0.21	2.1
Sodium		1050	U	166	1050
Thallium		2.1	U	1.2	2.1
Vanadium		25.8		0.81	10.5
Zinc		87.0		1.1	6.3

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-176833	Lab File ID:	08192013.asc
Dilution:	5.0	Leach Batch:	460-176731	Initial Weight/Volume:	50 mL
Analysis Date:	08/19/2013 2151			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1021				
Leach Date:	08/18/2013 1400				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		25.0	U	18.6	25.0

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 top**

Lab Sample ID: 460-61340-6
Client Matrix: Solid

Date Sampled: 08/15/2013 1323
Date Received: 08/15/2013 1630

6010B Metals (ICP)-TCLP

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Barium		698	J	29.7	1000
Cadmium		25.0	U	4.1	25.0
Chromium		50.0	U	22.3	50.0
Lead		61.1		20.1	25.0
Selenium		50.0	U	28.8	50.0
Silver		50.0	U	6.7	50.0

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	460-176890	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-176851	Lab File ID:	176851hg1.PRN
Dilution:	1.0	Leach Batch:	460-176731	Initial Weight/Volume:	30 mL
Analysis Date:	08/19/2013 1317			Final Weight/Volume:	30 mL
Prep Date:	08/19/2013 1105				
Leach Date:	08/18/2013 1400				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Mercury		0.20	U	0.16	0.20

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176585	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176492	Lab File ID:	176492.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	08/16/2013 1436			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 0927				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.23		0.014	0.020

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 bottom**

Lab Sample ID: 460-61340-7
Client Matrix: Solid
% Moisture: 11.2
Date Sampled: 08/15/2013 1325
Date Received: 08/15/2013 1630

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	490-101629	Instrument ID:	ICP5
Prep Method:	3051A	Prep Batch:	490-101208	Lab File ID:	TALS_082113-5RUSH
Dilution:	1.0			Initial Weight/Volume:	0.519 g
Analysis Date:	08/21/2013 1039			Final Weight/Volume:	100 mL
Prep Date:	08/20/2013 0924				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sulfur		115	B	6.0	54.2

Analysis Method:	6010B	Analysis Batch:	460-176718	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176602	Lab File ID:	08182013.asc
Dilution:	4.0			Initial Weight/Volume:	1.36 g
Analysis Date:	08/17/2013 1444			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8440		15.1	33.1
Antimony		1.7	U	1.0	1.7
Arsenic		0.83	U	0.78	0.83
Barium		75.1		0.94	33.1
Beryllium		0.19	J	0.12	0.33
Cadmium		0.83	U	0.12	0.83
Calcium		1940		58.6	828
Chromium		18.3		0.71	1.7
Cobalt		11.0		0.71	8.3
Copper		36.5		1.6	4.1
Iron		17200		10.0	24.8
Lead		20.2		0.71	0.83
Magnesium		3750		59.6	828
Manganese		247		0.73	2.5
Nickel		17.5		0.73	6.6
Potassium		3290		88.6	828
Selenium		1.1	J	1.1	1.7
Silver		0.36	J	0.17	1.7
Sodium		221	J	131	828
Thallium		1.7	U	0.94	1.7
Vanadium		23.9		0.64	8.3
Zinc		36.8		0.89	5.0

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-176833	Lab File ID:	08192013.asc
Dilution:	5.0	Leach Batch:	460-176731	Initial Weight/Volume:	50 mL
Analysis Date:	08/19/2013 2054			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1021				
Leach Date:	08/18/2013 1400				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		25.0	U	18.6	25.0

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-2 bottom**

Lab Sample ID: 460-61340-7
Client Matrix: Solid

Date Sampled: 08/15/2013 1325
Date Received: 08/15/2013 1630

6010B Metals (ICP)-TCLP

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Barium		547	J	29.7	1000
Cadmium		25.0	U	4.1	25.0
Chromium		50.0	U	22.3	50.0
Lead		24.2	J	20.1	25.0
Selenium		50.0	U	28.8	50.0
Silver		50.0	U	6.7	50.0

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	460-176890	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-176851	Lab File ID:	176851hg1.PRN
Dilution:	1.0	Leach Batch:	460-176731	Initial Weight/Volume:	30 mL
Analysis Date:	08/19/2013 1258			Final Weight/Volume:	30 mL
Prep Date:	08/19/2013 1105				
Leach Date:	08/18/2013 1400				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Mercury		0.20	U	0.16	0.20

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176585	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176492	Lab File ID:	176492.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	08/16/2013 1438			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 0927				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.019	U	0.013	0.019

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-2 top**

Lab Sample ID: 460-61340-8
Client Matrix: Solid
% Moisture: 16.0

Date Sampled: 08/15/2013 1319
Date Received: 08/15/2013 1630

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176718	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176602	Lab File ID:	08182013.asc
Dilution:	4.0			Initial Weight/Volume:	1.27 g
Analysis Date:	08/17/2013 1448			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		14.9		0.88	0.94
Barium		882		1.1	37.5
Cadmium		1.8		0.14	0.94
Chromium		29.6		0.81	1.9
Selenium		4.8		1.2	1.9
Silver		1.2	J	0.19	1.9

Analysis Method:	6010B	Analysis Batch:	460-176738	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176602	Lab File ID:	08182013z.asc
Dilution:	40			Initial Weight/Volume:	1.27 g
Analysis Date:	08/18/2013 2315			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		3850		8.1	9.4

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176585	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176492	Lab File ID:	176492.PRN
Dilution:	2.0			Initial Weight/Volume:	0.60 g
Analysis Date:	08/16/2013 1508			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 0927				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		1.0		0.029	0.040

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **Sb-2 bottom**

Lab Sample ID: 460-61340-9
Client Matrix: Solid
% Moisture: 10.7
Date Sampled: 08/15/2013 1321
Date Received: 08/15/2013 1630

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176718	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176602	Lab File ID:	08182013.asc
Dilution:	4.0			Initial Weight/Volume:	1.23 g
Analysis Date:	08/17/2013 1458			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		0.91	U	0.86	0.91
Barium		157		1.0	36.4
Cadmium		0.91	U	0.13	0.91
Chromium		34.4		0.78	1.8
Lead		8.2		0.78	0.91
Selenium		3.3		1.2	1.8
Silver		0.63	J	0.18	1.8

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176585	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176492	Lab File ID:	176492.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	08/16/2013 1510			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 0927				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.019	U	0.013	0.019

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 top**

Lab Sample ID: 460-61340-10
Client Matrix: Solid
% Moisture: 4.4
Date Sampled: 08/15/2013 1440
Date Received: 08/15/2013 1630

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	490-101629	Instrument ID:	ICP5
Prep Method:	3051A	Prep Batch:	490-101208	Lab File ID:	TALS_082113-5RUSH
Dilution:	1.0			Initial Weight/Volume:	0.513 g
Analysis Date:	08/21/2013 1042			Final Weight/Volume:	100 mL
Prep Date:	08/20/2013 0924				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sulfur		517	B	5.6	51.0

Analysis Method:	6010B	Analysis Batch:	460-176718	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176602	Lab File ID:	08182013.asc
Dilution:	4.0			Initial Weight/Volume:	1.12 g
Analysis Date:	08/17/2013 1502			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		12100		17.0	37.4
Antimony		1.9	U	1.2	1.9
Arsenic		1.3		0.88	0.93
Barium		270		1.1	37.4
Beryllium		0.37	U	0.13	0.37
Cadmium		0.93	U	0.14	0.93
Calcium		12800		66.1	934
Chromium		20.9		0.80	1.9
Cobalt		14.1		0.80	9.3
Copper		29.6		1.8	4.7
Iron		23000		11.3	28.0
Lead		198		0.80	0.93
Magnesium		8080		67.3	934
Manganese		188		0.82	2.8
Nickel		29.8		0.82	7.5
Potassium		6550		99.9	934
Selenium		1.9	U	1.2	1.9
Silver		0.39	J	0.19	1.9
Sodium		258	J	148	934
Thallium		1.9	U	1.1	1.9
Vanadium		28.7		0.72	9.3
Zinc		240		1.0	5.6

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-176833	Lab File ID:	08192013.asc
Dilution:	5.0	Leach Batch:	460-176731	Initial Weight/Volume:	50 mL
Analysis Date:	08/19/2013 2154			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1021				
Leach Date:	08/18/2013 1400				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		25.0	U	18.6	25.0

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 top**

Lab Sample ID: 460-61340-10
Client Matrix: Solid

Date Sampled: 08/15/2013 1440
Date Received: 08/15/2013 1630

6010B Metals (ICP)-TCLP

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Cadmium		25.0	U	4.1	25.0
Chromium		50.0	U	22.3	50.0
Lead		38.5		20.1	25.0
Selenium		50.0	U	28.8	50.0
Silver		50.0	U	6.7	50.0

Analysis Method:	6010B	Analysis Batch:	460-177090	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-176833	Lab File ID:	08202013.asc
Dilution:	10	Leach Batch:	460-176731	Initial Weight/Volume:	50 mL
Analysis Date:	08/20/2013 1132			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1021				
Leach Date:	08/18/2013 1400				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Barium		132000		59.4	2000

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	460-176890	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-176851	Lab File ID:	176851hg1.PRN
Dilution:	1.0	Leach Batch:	460-176731	Initial Weight/Volume:	30 mL
Analysis Date:	08/19/2013 1319			Final Weight/Volume:	30 mL
Prep Date:	08/19/2013 1105				
Leach Date:	08/18/2013 1400				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Mercury		0.20	U	0.16	0.20

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176585	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176492	Lab File ID:	176492.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	08/16/2013 1444			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 0927				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.054		0.012	0.017

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 bottom**

Lab Sample ID: 460-61340-11
Client Matrix: Solid
% Moisture: 7.5
Date Sampled: 08/15/2013 1435
Date Received: 08/15/2013 1630

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	490-101629	Instrument ID:	ICP5
Prep Method:	3051A	Prep Batch:	490-101208	Lab File ID:	TALS_082113-5RUSH
Dilution:	1.0			Initial Weight/Volume:	0.496 g
Analysis Date:	08/21/2013 1046			Final Weight/Volume:	100 mL
Prep Date:	08/20/2013 0924				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sulfur		834	B	6.0	54.5

Analysis Method:	6010B	Analysis Batch:	460-176718	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176602	Lab File ID:	08182013.asc
Dilution:	4.0			Initial Weight/Volume:	1.14 g
Analysis Date:	08/17/2013 1505			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9840		17.3	38.0
Antimony		1.9	U	1.2	1.9
Arsenic		1.5		0.89	0.95
Barium		576		1.1	38.0
Beryllium		0.20	J	0.14	0.38
Cadmium		0.95	U	0.14	0.95
Calcium		24600		67.2	949
Chromium		17.6		0.82	1.9
Cobalt		9.2	J	0.81	9.5
Copper		19.6		1.8	4.7
Iron		16400		11.5	28.5
Lead		493		0.82	0.95
Magnesium		6120		68.3	949
Manganese		209		0.83	2.8
Nickel		22.0		0.83	7.6
Potassium		3290		102	949
Selenium		1.9	U	1.3	1.9
Silver		0.42	J	0.19	1.9
Sodium		167	J	150	949
Thallium		1.9	U	1.1	1.9
Vanadium		24.1		0.73	9.5
Zinc		315		1.0	5.7

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-176833	Lab File ID:	08192013.asc
Dilution:	5.0	Leach Batch:	460-176731	Initial Weight/Volume:	50 mL
Analysis Date:	08/19/2013 2206			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1021				
Leach Date:	08/18/2013 1400				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		25.0	U	18.6	25.0

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **WC-3 bottom**

Lab Sample ID: 460-61340-11
Client Matrix: Solid

Date Sampled: 08/15/2013 1435
Date Received: 08/15/2013 1630

6010B Metals (ICP)-TCLP

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Barium		425	J	29.7	1000
Cadmium		25.0	U	4.1	25.0
Chromium		50.0	U	22.3	50.0
Lead		462		20.1	25.0
Selenium		50.0	U	28.8	50.0
Silver		50.0	U	6.7	50.0

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	460-176890	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-176851	Lab File ID:	176851hg1.PRN
Dilution:	1.0	Leach Batch:	460-176731	Initial Weight/Volume:	30 mL
Analysis Date:	08/19/2013 1320			Final Weight/Volume:	30 mL
Prep Date:	08/19/2013 1105				
Leach Date:	08/18/2013 1400				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Mercury		0.20	U	0.16	0.20

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176585	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176492	Lab File ID:	176492.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	08/16/2013 1446			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 0927				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.073		0.013	0.018

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **SB-3 top**

Lab Sample ID: 460-61340-12
Client Matrix: Solid
% Moisture: 15.0

Date Sampled: 08/15/2013 1430
Date Received: 08/15/2013 1630

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176718	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176602	Lab File ID:	08182013.asc
Dilution:	4.0			Initial Weight/Volume:	1.35 g
Analysis Date:	08/17/2013 1509			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		2.9		0.82	0.87
Barium		1010		0.99	34.8
Cadmium		0.23	J	0.13	0.87
Chromium		18.9		0.75	1.7
Lead		810		0.75	0.87
Selenium		1.1	J	1.1	1.7
Silver		0.50	J	0.17	1.7

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176585	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176492	Lab File ID:	176492.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	08/16/2013 1451			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 0927				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.050		0.014	0.020

Client: AKRF Inc

Job Number: 460-61340-1

Client Sample ID: **SB-3 Bottom**

Lab Sample ID: 460-61340-13
Client Matrix: Solid
% Moisture: 3.8

Date Sampled: 08/15/2013 1427
Date Received: 08/15/2013 1630

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176718	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176602	Lab File ID:	08182013.asc
Dilution:	4.0			Initial Weight/Volume:	1.22 g
Analysis Date:	08/17/2013 1513			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		0.85	U	0.80	0.85
Barium		61.8		0.97	34.1
Cadmium		0.85	U	0.13	0.85
Chromium		12.0		0.73	1.7
Lead		6.4		0.73	0.85
Selenium		1.7	U	1.1	1.7
Silver		0.48	J	0.17	1.7

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176585	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176492	Lab File ID:	176492.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	08/16/2013 1453			Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 0927				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	U	0.012	0.017

General Chemistry

Client Sample ID: **WC-1 top**

Lab Sample ID: 460-61340-1 Date Sampled: 08/15/2013 1115
Client Matrix: Solid % Moisture: 14.8 Date Received: 08/15/2013 1630

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	2.3	U	mg/Kg	0.58	2.3	1.0	7196A
Analysis Batch: 460-176842	Analysis Date: 08/19/2013 1422						DryWt Corrected: Y
Prep Batch: 460-176835	Prep Date: 08/19/2013 1004						
Cr (VI)	2.4	U	mg/Kg	0.59	2.4	1.0	7196A
Analysis Batch: 460-177022	Analysis Date: 08/20/2013 0942						DryWt Corrected: Y
Prep Batch: 460-176947	Prep Date: 08/19/2013 1500						
Cyanide, Total	0.49		mg/Kg	0.065	0.12	1.0	9012A
Analysis Batch: 460-176512	Analysis Date: 08/16/2013 1029						DryWt Corrected: Y
Prep Batch: 460-176489	Prep Date: 08/16/2013 0630						
Sulfide, Reactive	20.0	U	mg/Kg	13.0	20.0	1.0	9034
Analysis Batch: 460-177125	Analysis Date: 08/20/2013 1200						DryWt Corrected: N
Prep Batch: 460-177122	Prep Date: 08/20/2013 1100						

Analyte	Result	Qual	Units	Dil	Method
pH	8.62	HF	SU	1.0	9045C
Analysis Batch: 460-177192	Analysis Date: 08/20/2013 1605				DryWt Corrected: N
Corrosivity	8.62	HF	SU	1.0	9045C
Analysis Batch: 460-177192	Analysis Date: 08/20/2013 1605				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-177078	Analysis Date: 08/20/2013 1000						DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
Analysis Batch: 460-177127	Analysis Date: 08/20/2013 1200						DryWt Corrected: N
Prep Batch: 460-177123	Prep Date: 08/20/2013 1100						
Free Liquid	0.50	U	mL/100g	0.50	0.50	1.0	9095B
Analysis Batch: 460-177256	Analysis Date: 08/21/2013 0730						DryWt Corrected: N
Percent Moisture	14.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N
Percent Solids	85.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N

General Chemistry

Client Sample ID: **WC-1 bottom**

Lab Sample ID: 460-61340-2 Date Sampled: 08/15/2013 1120
Client Matrix: Solid % Moisture: 11.8 Date Received: 08/15/2013 1630

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	2.3	U	mg/Kg	0.58	2.3	1.0	7196A
Analysis Batch: 460-176842	Analysis Date: 08/19/2013 1422						DryWt Corrected: Y
Prep Batch: 460-176835	Prep Date: 08/19/2013 1004						
Cr (VI)	2.3	U	mg/Kg	0.58	2.3	1.0	7196A
Analysis Batch: 460-177022	Analysis Date: 08/20/2013 0942						DryWt Corrected: Y
Prep Batch: 460-176947	Prep Date: 08/19/2013 1500						
Cyanide, Total	0.11	U	mg/Kg	0.062	0.11	1.0	9012A
Analysis Batch: 460-176512	Analysis Date: 08/16/2013 1030						DryWt Corrected: Y
Prep Batch: 460-176489	Prep Date: 08/16/2013 0630						
Sulfide, Reactive	20.0	U	mg/Kg	13.0	20.0	1.0	9034
Analysis Batch: 460-177125	Analysis Date: 08/20/2013 1200						DryWt Corrected: N
Prep Batch: 460-177122	Prep Date: 08/20/2013 1100						

Analyte	Result	Qual	Units			Dil	Method
pH	8.65	HF	SU			1.0	9045C
Analysis Batch: 460-177192	Analysis Date: 08/20/2013 1607						DryWt Corrected: N
Corrosivity	8.65	HF	SU			1.0	9045C
Analysis Batch: 460-177192	Analysis Date: 08/20/2013 1607						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-177078	Analysis Date: 08/20/2013 1000						DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
Analysis Batch: 460-177127	Analysis Date: 08/20/2013 1200						DryWt Corrected: N
Prep Batch: 460-177123	Prep Date: 08/20/2013 1100						
Percent Moisture	11.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N
Percent Solids	88.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N

General Chemistry

Client Sample ID: **Sb-1 top**

Lab Sample ID: 460-61340-3

Client Matrix: Solid

Date Sampled: 08/15/2013 1125

Date Received: 08/15/2013 1630

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N
Percent Solids	87.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N

General Chemistry

Client Sample ID: **Sb-1 bottom**

Lab Sample ID: 460-61340-4

Client Matrix: Solid

Date Sampled: 08/15/2013 1130

Date Received: 08/15/2013 1630

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N
Percent Solids	89.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N

General Chemistry

Client Sample ID: **WC-2 top**

Lab Sample ID: 460-61340-6 Date Sampled: 08/15/2013 1323
Client Matrix: Solid % Moisture: 16.7 Date Received: 08/15/2013 1630

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	2.5	U	mg/Kg	0.61	2.5	1.0	7196A
Analysis Batch: 460-176842	Analysis Date: 08/19/2013 1422						DryWt Corrected: Y
Prep Batch: 460-176835	Prep Date: 08/19/2013 1004						
Cr (VI)	2.5	U	mg/Kg	0.61	2.5	1.0	7196A
Analysis Batch: 460-177022	Analysis Date: 08/20/2013 0942						DryWt Corrected: Y
Prep Batch: 460-176947	Prep Date: 08/19/2013 1500						
Cyanide, Total	0.12	U	mg/Kg	0.066	0.12	1.0	9012A
Analysis Batch: 460-176512	Analysis Date: 08/16/2013 1035						DryWt Corrected: Y
Prep Batch: 460-176489	Prep Date: 08/16/2013 0630						
Sulfide, Reactive	20.0	U	mg/Kg	13.0	20.0	1.0	9034
Analysis Batch: 460-177125	Analysis Date: 08/20/2013 1200						DryWt Corrected: N
Prep Batch: 460-177122	Prep Date: 08/20/2013 1100						

Analyte	Result	Qual	Units	Dil	Method
pH	7.80	HF	SU	1.0	9045C
Analysis Batch: 460-177192	Analysis Date: 08/20/2013 1609				DryWt Corrected: N
Corrosivity	7.80	HF	SU	1.0	9045C
Analysis Batch: 460-177192	Analysis Date: 08/20/2013 1609				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-177078	Analysis Date: 08/20/2013 1000						DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
Analysis Batch: 460-177127	Analysis Date: 08/20/2013 1200						DryWt Corrected: N
Prep Batch: 460-177123	Prep Date: 08/20/2013 1100						
Percent Moisture	16.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N
Percent Solids	83.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N

General Chemistry

Client Sample ID: **WC-2 bottom**

Lab Sample ID: 460-61340-7 Date Sampled: 08/15/2013 1325
Client Matrix: Solid % Moisture: 11.2 Date Received: 08/15/2013 1630

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	2.2	U	mg/Kg	0.55	2.2	1.0	7196A
Analysis Batch: 460-176842	Analysis Date: 08/19/2013 1422						DryWt Corrected: Y
Prep Batch: 460-176835	Prep Date: 08/19/2013 1004						
Cr (VI)	2.2	U	mg/Kg	0.55	2.2	1.0	7196A
Analysis Batch: 460-177022	Analysis Date: 08/20/2013 0942						DryWt Corrected: Y
Prep Batch: 460-176947	Prep Date: 08/19/2013 1500						
Cyanide, Total	0.11	U	mg/Kg	0.062	0.11	1.0	9012A
Analysis Batch: 460-176512	Analysis Date: 08/16/2013 1035						DryWt Corrected: Y
Prep Batch: 460-176489	Prep Date: 08/16/2013 0630						
Sulfide, Reactive	20.0	U	mg/Kg	13.0	20.0	1.0	9034
Analysis Batch: 460-177125	Analysis Date: 08/20/2013 1200						DryWt Corrected: N
Prep Batch: 460-177122	Prep Date: 08/20/2013 1100						

Analyte	Result	Qual	Units			Dil	Method
pH	8.16	HF	SU			1.0	9045C
Analysis Batch: 460-177192	Analysis Date: 08/20/2013 1614						DryWt Corrected: N
Corrosivity	8.16	HF	SU			1.0	9045C
Analysis Batch: 460-177192	Analysis Date: 08/20/2013 1614						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-177078	Analysis Date: 08/20/2013 1000						DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
Analysis Batch: 460-177127	Analysis Date: 08/20/2013 1200						DryWt Corrected: N
Prep Batch: 460-177123	Prep Date: 08/20/2013 1100						
Percent Moisture	11.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N
Percent Solids	88.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N

General Chemistry

Client Sample ID: **Sb-2 top**

Lab Sample ID: 460-61340-8

Client Matrix: Solid

Date Sampled: 08/15/2013 1319

Date Received: 08/15/2013 1630

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N
Percent Solids	84.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N

General Chemistry

Client Sample ID: **Sb-2 bottom**

Lab Sample ID: 460-61340-9

Client Matrix: Solid

Date Sampled: 08/15/2013 1321

Date Received: 08/15/2013 1630

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N
Percent Solids	89.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N

General Chemistry

Client Sample ID: **WC-3 top**

Lab Sample ID: 460-61340-10 Date Sampled: 08/15/2013 1440
Client Matrix: Solid % Moisture: 4.4 Date Received: 08/15/2013 1630

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	2.0	U	mg/Kg	0.50	2.0	1.0	7196A
Analysis Batch: 460-176842	Analysis Date: 08/19/2013 1716						DryWt Corrected: Y
Prep Batch: 460-176835	Prep Date: 08/19/2013 1004						
Cr (VI)	0.61	J	mg/Kg	0.53	2.1	1.0	7196A
Analysis Batch: 460-177022	Analysis Date: 08/20/2013 1224						DryWt Corrected: Y
Prep Batch: 460-176947	Prep Date: 08/19/2013 1500						
Cyanide, Total	0.10	U	mg/Kg	0.058	0.10	1.0	9012A
Analysis Batch: 460-176512	Analysis Date: 08/16/2013 1036						DryWt Corrected: Y
Prep Batch: 460-176489	Prep Date: 08/16/2013 0630						
Sulfide, Reactive	20.0	U	mg/Kg	13.0	20.0	1.0	9034
Analysis Batch: 460-177125	Analysis Date: 08/20/2013 1200						DryWt Corrected: N
Prep Batch: 460-177122	Prep Date: 08/20/2013 1100						

Analyte	Result	Qual	Units	Dil	Method
pH	9.37	HF	SU	1.0	9045C
Analysis Batch: 460-177192	Analysis Date: 08/20/2013 1616				DryWt Corrected: N
Corrosivity	9.37	HF	SU	1.0	9045C
Analysis Batch: 460-177192	Analysis Date: 08/20/2013 1616				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-177078	Analysis Date: 08/20/2013 1000						DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
Analysis Batch: 460-177127	Analysis Date: 08/20/2013 1200						DryWt Corrected: N
Prep Batch: 460-177123	Prep Date: 08/20/2013 1100						
Percent Moisture	4.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N
Percent Solids	95.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N

General Chemistry

Client Sample ID: **WC-3 bottom**

Lab Sample ID: 460-61340-11 Date Sampled: 08/15/2013 1435
Client Matrix: Solid % Moisture: 7.5 Date Received: 08/15/2013 1630

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	1.3	J	mg/Kg	0.53	2.1	1.0	7196A
Analysis Batch: 460-176842	Analysis Date: 08/19/2013 1716						DryWt Corrected: Y
Prep Batch: 460-176835	Prep Date: 08/19/2013 1004						
Cr (VI)	1.5	J	mg/Kg	0.53	2.1	1.0	7196A
Analysis Batch: 460-177022	Analysis Date: 08/20/2013 1224						DryWt Corrected: Y
Prep Batch: 460-176947	Prep Date: 08/19/2013 1500						
Cyanide, Total	0.11	U	mg/Kg	0.059	0.11	1.0	9012A
Analysis Batch: 460-176512	Analysis Date: 08/16/2013 1037						DryWt Corrected: Y
Prep Batch: 460-176489	Prep Date: 08/16/2013 0630						
Sulfide, Reactive	20.0	U	mg/Kg	13.0	20.0	1.0	9034
Analysis Batch: 460-177125	Analysis Date: 08/20/2013 1200						DryWt Corrected: N
Prep Batch: 460-177122	Prep Date: 08/20/2013 1100						

Analyte	Result	Qual	Units	Dil	Method
pH	8.47	HF	SU	1.0	9045C
Analysis Batch: 460-177192	Analysis Date: 08/20/2013 1618				DryWt Corrected: N
Corrosivity	8.47	HF	SU	1.0	9045C
Analysis Batch: 460-177192	Analysis Date: 08/20/2013 1618				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-177078	Analysis Date: 08/20/2013 1000						DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
Analysis Batch: 460-177127	Analysis Date: 08/20/2013 1200						DryWt Corrected: N
Prep Batch: 460-177123	Prep Date: 08/20/2013 1100						
Percent Moisture	7.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N
Percent Solids	92.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-3 top**

Lab Sample ID: 460-61340-12

Client Matrix: Solid

Date Sampled: 08/15/2013 1430

Date Received: 08/15/2013 1630

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N
Percent Solids	85.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-3 Bottom**

Lab Sample ID: 460-61340-13

Client Matrix: Solid

Date Sampled: 08/15/2013 1427

Date Received: 08/15/2013 1630

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N
Percent Solids	96.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176415	Analysis Date: 08/15/2013 1843						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: AKRF Inc

Job Number: 460-61340-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	LCS or LCSD exceeds the control limits
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	LCS or LCSD exceeds the control limits
	*	MS or MSD exceeds the control limits
	*	RPD of the LCS and LCSD exceeds the control limits
	*	Surrogate exceeds the control limit
	A	The tentatively identified compound is a suspected aldol-condensation product.
	N	This flag indicates the presumptive evidence of a compound.
GC Semi VOA		
	U	Analyzed for but not detected.
	*	RPD of the LCS and LCSD exceeds the control limits
	*	Surrogate exceeds the control limit
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
Metals		
	B	Compound was found in the blank and sample.
	U	Indicates analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Sample result is greater than the MDL but below the CRDL
	N	Spiked sample recovery is not within control limits.

DATA REPORTING QUALIFIERS

Client: AKRF Inc

Job Number: 460-61340-1

Lab Section	Qualifier	Description
General Chemistry		
	*	Duplicate analysis not within control limits.
	HF	Field parameter with a holding time of 15 minutes
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL

QUALITY CONTROL RESULTS

Client: AKRF Inc

Job Number: 460-61340-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 460-176496					
460-61340-1	WC-1 top	T	Solid	5035	
460-61340-2	WC-1 bottom	T	Solid	5035	
460-61340-6	WC-2 top	T	Solid	5035	
460-61340-7	WC-2 bottom	T	Solid	5035	
460-61340-10	WC-3 top	T	Solid	5035	
460-61340-11	WC-3 bottom	T	Solid	5035	
Analysis Batch:460-176628					
LCS 460-176628/3	Lab Control Sample	T	Solid	8260B	
LCSD 460-176628/4	Lab Control Sample Duplicate	T	Solid	8260B	
MB 460-176628/6	Method Blank	T	Solid	8260B	
460-61340-1	WC-1 top	T	Solid	8260B	460-176496
Analysis Batch:460-176712					
LCS 460-176712/4	Lab Control Sample	T	Solid	8260B	
LCSD 460-176712/5	Lab Control Sample Duplicate	T	Solid	8260B	
MB 460-176712/7	Method Blank	T	Solid	8260B	
460-61340-2	WC-1 bottom	T	Solid	8260B	460-176496
460-61340-6	WC-2 top	T	Solid	8260B	460-176496
460-61340-7	WC-2 bottom	T	Solid	8260B	460-176496
460-61340-10	WC-3 top	T	Solid	8260B	460-176496
460-61340-11	WC-3 bottom	T	Solid	8260B	460-176496
Analysis Batch:460-177286					
LCS 460-177286/3	Lab Control Sample	T	Water	8260B	
MB 460-177286/5	Method Blank	T	Water	8260B	
460-61340-5	TW-1	T	Water	8260B	

Report Basis

T = Total

Client: AKRF Inc

Job Number: 460-61340-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 460-176474					
MB 460-176474/1-A	Method Blank	T	Solid	3541	
460-61340-1	WC-1 top	T	Solid	3541	
460-61340-1MS	Matrix Spike	T	Solid	3541	
460-61340-1MSD	Matrix Spike Duplicate	T	Solid	3541	
460-61340-2	WC-1 bottom	T	Solid	3541	
460-61340-3	Sb-1 top	T	Solid	3541	
460-61340-6	WC-2 top	T	Solid	3541	
460-61340-7	WC-2 bottom	T	Solid	3541	
460-61340-8	Sb-2 top	T	Solid	3541	
460-61340-10	WC-3 top	T	Solid	3541	
460-61340-11	WC-3 bottom	T	Solid	3541	
460-61340-12	SB-3 top	T	Solid	3541	
Prep Batch: 460-176507					
LCS 460-176507/2-A	Lab Control Sample	T	Water	3510C	
LCSD 460-176507/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-176507/1-A	Method Blank	T	Water	3510C	
460-61340-5	TW-1	T	Water	3510C	
Analysis Batch:460-176951					
MB 460-176474/1-A	Method Blank	T	Solid	8270C	460-176474
460-61340-1	WC-1 top	T	Solid	8270C	460-176474
460-61340-1MS	Matrix Spike	T	Solid	8270C	460-176474
460-61340-1MSD	Matrix Spike Duplicate	T	Solid	8270C	460-176474
460-61340-2	WC-1 bottom	T	Solid	8270C	460-176474
460-61340-3	Sb-1 top	T	Solid	8270C	460-176474
460-61340-6	WC-2 top	T	Solid	8270C	460-176474
460-61340-7	WC-2 bottom	T	Solid	8270C	460-176474
460-61340-8	Sb-2 top	T	Solid	8270C	460-176474
460-61340-10	WC-3 top	T	Solid	8270C	460-176474
460-61340-11	WC-3 bottom	T	Solid	8270C	460-176474
460-61340-12	SB-3 top	T	Solid	8270C	460-176474
Analysis Batch:460-177525					
LCS 460-176507/2-A	Lab Control Sample	T	Water	8270C	460-176507
LCSD 460-176507/3-A	Lab Control Sample Duplicate	T	Water	8270C	460-176507
MB 460-176507/1-A	Method Blank	T	Water	8270C	460-176507
460-61340-5	TW-1	T	Water	8270C	460-176507

Report Basis

T = Total

Client: AKRF Inc

Job Number: 460-61340-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-176445					
LCS 460-176445/2-A	Lab Control Sample	T	Solid	3546	
MB 460-176445/1-A	Method Blank	T	Solid	3546	
460-61340-1	WC-1 top	T	Solid	3546	
460-61340-2	WC-1 bottom	T	Solid	3546	
460-61340-3	Sb-1 top	T	Solid	3546	
460-61340-6	WC-2 top	T	Solid	3546	
460-61340-7	WC-2 bottom	T	Solid	3546	
460-61340-8	Sb-2 top	T	Solid	3546	
460-61340-10	WC-3 top	T	Solid	3546	
460-61340-11	WC-3 bottom	T	Solid	3546	
460-61340-12	SB-3 top	T	Solid	3546	
Prep Batch: 460-176446					
LCS 460-176446/2-A	Lab Control Sample	T	Solid	3546	
MB 460-176446/1-A	Method Blank	T	Solid	3546	
460-61340-1	WC-1 top	T	Solid	3546	
460-61340-2	WC-1 bottom	T	Solid	3546	
460-61340-3	Sb-1 top	T	Solid	3546	
460-61340-6	WC-2 top	T	Solid	3546	
460-61340-7	WC-2 bottom	T	Solid	3546	
460-61340-8	Sb-2 top	T	Solid	3546	
460-61340-10	WC-3 top	T	Solid	3546	
460-61340-11	WC-3 bottom	T	Solid	3546	
460-61340-12	SB-3 top	T	Solid	3546	
Analysis Batch:460-176464					
LCS 460-176446/2-A	Lab Control Sample	T	Solid	8081A	460-176446
MB 460-176446/1-A	Method Blank	T	Solid	8081A	460-176446
460-61340-1	WC-1 top	T	Solid	8081A	460-176446
460-61340-2	WC-1 bottom	T	Solid	8081A	460-176446
460-61340-3	Sb-1 top	T	Solid	8081A	460-176446
460-61340-6	WC-2 top	T	Solid	8081A	460-176446
460-61340-7	WC-2 bottom	T	Solid	8081A	460-176446
460-61340-8	Sb-2 top	T	Solid	8081A	460-176446
460-61340-10	WC-3 top	T	Solid	8081A	460-176446
460-61340-11	WC-3 bottom	T	Solid	8081A	460-176446
460-61340-12	SB-3 top	T	Solid	8081A	460-176446
Analysis Batch:460-176479					
LCS 460-176445/2-A	Lab Control Sample	T	Solid	8082	460-176445
MB 460-176445/1-A	Method Blank	T	Solid	8082	460-176445
460-61340-1	WC-1 top	T	Solid	8082	460-176445

Client: AKRF Inc

Job Number: 460-61340-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:460-176548					
460-61340-2	WC-1 bottom	T	Solid	8082	460-176445
460-61340-3	Sb-1 top	T	Solid	8082	460-176445
460-61340-6	WC-2 top	T	Solid	8082	460-176445
460-61340-7	WC-2 bottom	T	Solid	8082	460-176445
460-61340-8	Sb-2 top	T	Solid	8082	460-176445
460-61340-10	WC-3 top	T	Solid	8082	460-176445
460-61340-11	WC-3 bottom	T	Solid	8082	460-176445
460-61340-12	SB-3 top	T	Solid	8082	460-176445
Prep Batch: 460-176558					
LCS 460-176558/2-A	Lab Control Sample	T	Solid	3546	
MB 460-176558/1-A	Method Blank	T	Solid	3546	
460-61340-1	WC-1 top	T	Solid	3546	
460-61340-2	WC-1 bottom	T	Solid	3546	
460-61340-6	WC-2 top	T	Solid	3546	
460-61340-7	WC-2 bottom	T	Solid	3546	
460-61340-10	WC-3 top	T	Solid	3546	
Prep Batch: 460-176654					
LCS 460-176654/2-A	Lab Control Sample	T	Water	3510C	
LCSD 460-176654/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-176654/1-A	Method Blank	T	Water	3510C	
460-61340-5	TW-1	T	Water	3510C	
Prep Batch: 460-176655					
LCS 460-176655/2-A	Lab Control Sample	T	Water	3510C	
LCSD 460-176655/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-176655/1-A	Method Blank	T	Water	3510C	
460-61340-5	TW-1	T	Water	3510C	
Analysis Batch:460-176787					
LCS 460-176558/2-A	Lab Control Sample	T	Solid	NJDEP EPH	460-176558
MB 460-176558/1-A	Method Blank	T	Solid	NJDEP EPH	460-176558
460-61340-1	WC-1 top	T	Solid	NJDEP EPH	460-176558
460-61340-2	WC-1 bottom	T	Solid	NJDEP EPH	460-176558
460-61340-6	WC-2 top	T	Solid	NJDEP EPH	460-176558
460-61340-7	WC-2 bottom	T	Solid	NJDEP EPH	460-176558
460-61340-10	WC-3 top	T	Solid	NJDEP EPH	460-176558
Analysis Batch:460-176885					
LCS 460-176654/2-A	Lab Control Sample	T	Water	8082	460-176654
MB 460-176654/1-A	Method Blank	T	Water	8082	460-176654

Client: AKRF Inc

Job Number: 460-61340-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-176886					
LCS 460-176886/2-A	Lab Control Sample	T	Solid	3546	
MB 460-176886/1-A	Method Blank	T	Solid	3546	
460-61340-11	WC-3 bottom	T	Solid	3546	
Analysis Batch:460-176977					
LCS 460-176886/2-A	Lab Control Sample	T	Solid	NJDEP EPH	460-176886
MB 460-176886/1-A	Method Blank	T	Solid	NJDEP EPH	460-176886
460-61340-11	WC-3 bottom	T	Solid	NJDEP EPH	460-176886
Analysis Batch:460-177146					
LCSD 460-176654/3-A	Lab Control Sample Duplicate	T	Water	8082	460-176654
Analysis Batch:460-177340					
LCS 460-176655/2-A	Lab Control Sample	T	Water	8081A	460-176655
LCSD 460-176655/3-A	Lab Control Sample Duplicate	T	Water	8081A	460-176655
MB 460-176655/1-A	Method Blank	T	Water	8081A	460-176655
460-61340-5	TW-1	T	Water	8081A	460-176655
Analysis Batch:460-177522					
460-61340-5	TW-1	T	Water	8082	460-176654

Report Basis
T = Total

Client: AKRF Inc

Job Number: 460-61340-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 490-101208					
LCS 490-101208/2-A	Lab Control Sample	T	Solid	3051A	
LCSD 490-101208/3-A	Lab Control Sample Duplicate	T	Solid	3051A	
MB 490-101208/1-A	Method Blank	T	Solid	3051A	
460-61340-1	WC-1 top	T	Solid	3051A	
460-61340-1MS	Matrix Spike	T	Solid	3051A	
460-61340-1MSD	Matrix Spike Duplicate	T	Solid	3051A	
460-61340-2	WC-1 bottom	T	Solid	3051A	
460-61340-6	WC-2 top	T	Solid	3051A	
460-61340-7	WC-2 bottom	T	Solid	3051A	
460-61340-10	WC-3 top	T	Solid	3051A	
460-61340-11	WC-3 bottom	T	Solid	3051A	
Analysis Batch:490-101629					
LCS 490-101208/2-A	Lab Control Sample	T	Solid	6010B	490-101208
LCSD 490-101208/3-A	Lab Control Sample Duplicate	T	Solid	6010B	490-101208
MB 490-101208/1-A	Method Blank	T	Solid	6010B	490-101208
460-61340-1	WC-1 top	T	Solid	6010B	490-101208
460-61340-1MS	Matrix Spike	T	Solid	6010B	490-101208
460-61340-1MSD	Matrix Spike Duplicate	T	Solid	6010B	490-101208
460-61340-2	WC-1 bottom	T	Solid	6010B	490-101208
460-61340-6	WC-2 top	T	Solid	6010B	490-101208
460-61340-7	WC-2 bottom	T	Solid	6010B	490-101208
460-61340-10	WC-3 top	T	Solid	6010B	490-101208
460-61340-11	WC-3 bottom	T	Solid	6010B	490-101208
Prep Batch: 460-176456					
LCS 460-176456/12-A	Lab Control Sample	T	Water	7470A	
MB 460-176456/11-A	Method Blank	T	Water	7470A	
460-61340-5	TW-1	T	Water	7470A	
Prep Batch: 460-176458					
LCS 460-176458/11-A	Lab Control Sample	T	Water	7470A	
MB 460-176455/1-B	Method Blank	D	Water	7470A	
460-61340-5	TW-1	D	Water	7470A	

Client: AKRF Inc

Job Number: 460-61340-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-176492					
LCSSRM 460-176492/2-A ^50	LCS-Certified Reference Material	T	Solid	7471A	
MB 460-176492/1-A	Method Blank	T	Solid	7471A	
460-61340-1	WC-1 top	T	Solid	7471A	
460-61340-2	WC-1 bottom	T	Solid	7471A	
460-61340-3	Sb-1 top	T	Solid	7471A	
460-61340-4	Sb-1 bottom	T	Solid	7471A	
460-61340-6	WC-2 top	T	Solid	7471A	
460-61340-7	WC-2 bottom	T	Solid	7471A	
460-61340-8	Sb-2 top	T	Solid	7471A	
460-61340-9	Sb-2 bottom	T	Solid	7471A	
460-61340-10	WC-3 top	T	Solid	7471A	
460-61340-11	WC-3 bottom	T	Solid	7471A	
460-61340-12	SB-3 top	T	Solid	7471A	
460-61340-13	SB-3 Bottom	T	Solid	7471A	
Analysis Batch:460-176519					
LCS 460-176456/12-A	Lab Control Sample	T	Water	7470A	460-176456
MB 460-176456/11-A	Method Blank	T	Water	7470A	460-176456
LCS 460-176458/11-A	Lab Control Sample	T	Water	7470A	460-176458
MB 460-176455/1-B	Method Blank	D	Water	7470A	460-176458
460-61340-5	TW-1	T	Water	7470A	460-176456
460-61340-5	TW-1	D	Water	7470A	460-176458
Prep Batch: 460-176532					
LCS 460-176532/2-A	Lab Control Sample	T	Water	3010A	
MB 460-176532/1-A	Method Blank	T	Water	3010A	
460-61340-5	TW-1	T	Water	3010A	
Analysis Batch:460-176544					
LCS 460-176532/2-A	Lab Control Sample	T	Water	6010B	460-176532
MB 460-176532/1-A	Method Blank	T	Water	6010B	460-176532
460-61340-5	TW-1	T	Water	6010B	460-176532

Client: AKRF Inc

Job Number: 460-61340-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-176585					
LCSSRM 460-176492/2-A ^50	LCS-Certified Reference Material	T	Solid	7471A	460-176492
MB 460-176492/1-A	Method Blank	T	Solid	7471A	460-176492
460-61340-1	WC-1 top	T	Solid	7471A	460-176492
460-61340-2	WC-1 bottom	T	Solid	7471A	460-176492
460-61340-3	Sb-1 top	T	Solid	7471A	460-176492
460-61340-4	Sb-1 bottom	T	Solid	7471A	460-176492
460-61340-6	WC-2 top	T	Solid	7471A	460-176492
460-61340-7	WC-2 bottom	T	Solid	7471A	460-176492
460-61340-8	Sb-2 top	T	Solid	7471A	460-176492
460-61340-9	Sb-2 bottom	T	Solid	7471A	460-176492
460-61340-10	WC-3 top	T	Solid	7471A	460-176492
460-61340-11	WC-3 bottom	T	Solid	7471A	460-176492
460-61340-12	SB-3 top	T	Solid	7471A	460-176492
460-61340-13	SB-3 Bottom	T	Solid	7471A	460-176492
Prep Batch: 460-176602					
LCSSRM 460-176602/2-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-176602/1-A	Method Blank	T	Solid	3050B	
MB 460-176602/1-A ^2	Method Blank	T	Solid	3050B	
460-61340-1	WC-1 top	T	Solid	3050B	
460-61340-1DU	Duplicate	T	Solid	3050B	
460-61340-1MS	Matrix Spike	T	Solid	3050B	
460-61340-2	WC-1 bottom	T	Solid	3050B	
460-61340-3	Sb-1 top	T	Solid	3050B	
460-61340-4	Sb-1 bottom	T	Solid	3050B	
460-61340-6	WC-2 top	T	Solid	3050B	
460-61340-7	WC-2 bottom	T	Solid	3050B	
460-61340-8	Sb-2 top	T	Solid	3050B	
460-61340-9	Sb-2 bottom	T	Solid	3050B	
460-61340-10	WC-3 top	T	Solid	3050B	
460-61340-11	WC-3 bottom	T	Solid	3050B	
460-61340-12	SB-3 top	T	Solid	3050B	
460-61340-13	SB-3 Bottom	T	Solid	3050B	

Client: AKRF Inc

Job Number: 460-61340-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-176718					
LCSSRM 460-176602/2-A	LCS-Certified Reference Material	T	Solid	6010B	460-176602
MB 460-176602/1-A ^2	Method Blank	T	Solid	6010B	460-176602
460-61340-1	WC-1 top	T	Solid	6010B	460-176602
460-61340-1DU	Duplicate	T	Solid	6010B	460-176602
460-61340-1MS	Matrix Spike	T	Solid	6010B	460-176602
460-61340-2	WC-1 bottom	T	Solid	6010B	460-176602
460-61340-3	Sb-1 top	T	Solid	6010B	460-176602
460-61340-4	Sb-1 bottom	T	Solid	6010B	460-176602
460-61340-6	WC-2 top	T	Solid	6010B	460-176602
460-61340-7	WC-2 bottom	T	Solid	6010B	460-176602
460-61340-8	Sb-2 top	T	Solid	6010B	460-176602
460-61340-9	Sb-2 bottom	T	Solid	6010B	460-176602
460-61340-10	WC-3 top	T	Solid	6010B	460-176602
460-61340-11	WC-3 bottom	T	Solid	6010B	460-176602
460-61340-12	SB-3 top	T	Solid	6010B	460-176602
460-61340-13	SB-3 Bottom	T	Solid	6010B	460-176602
Prep Batch: 460-176731					
LB 460-176731/1-B ^5	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 460-176731/1-C	TCLP SPLPE Leachate Blank	P	Solid	1311	
460-61340-1	WC-1 top	P	Solid	1311	
460-61340-2	WC-1 bottom	P	Solid	1311	
460-61340-6	WC-2 top	P	Solid	1311	
460-61340-7	WC-2 bottom	P	Solid	1311	
460-61340-7DU	Duplicate	P	Solid	1311	
460-61340-7MS	Matrix Spike	P	Solid	1311	
460-61340-10	WC-3 top	P	Solid	1311	
460-61340-11	WC-3 bottom	P	Solid	1311	
Analysis Batch:460-176738					
MB 460-176602/1-A	Method Blank	T	Solid	6010B	460-176602
460-61340-8	Sb-2 top	T	Solid	6010B	460-176602
Prep Batch: 460-176749					
LCS 460-176749/2-A	Lab Control Sample	T	Water	3010A	
MB 460-176749/1-A	Method Blank	T	Water	3010A	
460-61340-5	TW-1	D	Water	3010A	

Client: AKRF Inc

Job Number: 460-61340-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-176833					
LCS 460-176833/2-A	Lab Control Sample	T	Water	3010A	
MB 460-176833/1-A	Method Blank	T	Water	3010A	
LB 460-176731/1-B ^5	TCLP SPLPE Leachate Blank	P	Solid	3010A	460-176731
460-61340-1	WC-1 top	P	Solid	3010A	460-176731
460-61340-2	WC-1 bottom	P	Solid	3010A	460-176731
460-61340-6	WC-2 top	P	Solid	3010A	460-176731
460-61340-7	WC-2 bottom	P	Solid	3010A	460-176731
460-61340-7DU	Duplicate	P	Solid	3010A	460-176731
460-61340-7MS	Matrix Spike	P	Solid	3010A	460-176731
460-61340-10	WC-3 top	P	Solid	3010A	460-176731
460-61340-11	WC-3 bottom	P	Solid	3010A	460-176731
Analysis Batch:460-176850					
LB 460-176731/1-B ^5	TCLP SPLPE Leachate Blank	P	Solid	6010B	460-176833
LCS 460-176833/2-A	Lab Control Sample	T	Water	6010B	460-176833
MB 460-176833/1-A	Method Blank	T	Water	6010B	460-176833
460-61340-1	WC-1 top	P	Solid	6010B	460-176833
460-61340-2	WC-1 bottom	P	Solid	6010B	460-176833
460-61340-6	WC-2 top	P	Solid	6010B	460-176833
460-61340-7	WC-2 bottom	P	Solid	6010B	460-176833
460-61340-7DU	Duplicate	P	Solid	6010B	460-176833
460-61340-7MS	Matrix Spike	P	Solid	6010B	460-176833
460-61340-10	WC-3 top	P	Solid	6010B	460-176833
460-61340-11	WC-3 bottom	P	Solid	6010B	460-176833
Prep Batch: 460-176851					
LCS 460-176851/2-A	Lab Control Sample	T	Water	7470A	
MB 460-176851/1-A	Method Blank	T	Water	7470A	
LB 460-176731/1-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	460-176731
460-61340-1	WC-1 top	P	Solid	7470A	460-176731
460-61340-2	WC-1 bottom	P	Solid	7470A	460-176731
460-61340-6	WC-2 top	P	Solid	7470A	460-176731
460-61340-7	WC-2 bottom	P	Solid	7470A	460-176731
460-61340-7DU	Duplicate	P	Solid	7470A	460-176731
460-61340-7MS	Matrix Spike	P	Solid	7470A	460-176731
460-61340-10	WC-3 top	P	Solid	7470A	460-176731
460-61340-11	WC-3 bottom	P	Solid	7470A	460-176731

Client: AKRF Inc

Job Number: 460-61340-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-176890					
LB 460-176731/1-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	460-176851
LCS 460-176851/2-A	Lab Control Sample	T	Water	7470A	460-176851
MB 460-176851/1-A	Method Blank	T	Water	7470A	460-176851
460-61340-1	WC-1 top	P	Solid	7470A	460-176851
460-61340-2	WC-1 bottom	P	Solid	7470A	460-176851
460-61340-6	WC-2 top	P	Solid	7470A	460-176851
460-61340-7	WC-2 bottom	P	Solid	7470A	460-176851
460-61340-7DU	Duplicate	P	Solid	7470A	460-176851
460-61340-7MS	Matrix Spike	P	Solid	7470A	460-176851
460-61340-10	WC-3 top	P	Solid	7470A	460-176851
460-61340-11	WC-3 bottom	P	Solid	7470A	460-176851
Analysis Batch:460-177090					
460-61340-10	WC-3 top	P	Solid	6010B	460-176833
Analysis Batch:460-177387					
LCS 460-176749/2-A	Lab Control Sample	T	Water	6010B	460-176749
MB 460-176749/1-A	Method Blank	T	Water	6010B	460-176749
460-61340-5	TW-1	D	Water	6010B	460-176749

Report Basis

D = Dissolved

P = TCLP

T = Total

Client: AKRF Inc

Job Number: 460-61340-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-176415					
460-61340-1	WC-1 top	T	Solid	Moisture	
460-61340-2	WC-1 bottom	T	Solid	Moisture	
460-61340-3	Sb-1 top	T	Solid	Moisture	
460-61340-4	Sb-1 bottom	T	Solid	Moisture	
460-61340-6	WC-2 top	T	Solid	Moisture	
460-61340-7	WC-2 bottom	T	Solid	Moisture	
460-61340-8	Sb-2 top	T	Solid	Moisture	
460-61340-9	Sb-2 bottom	T	Solid	Moisture	
460-61340-10	WC-3 top	T	Solid	Moisture	
460-61340-11	WC-3 bottom	T	Solid	Moisture	
460-61340-12	SB-3 top	T	Solid	Moisture	
460-61340-13	SB-3 Bottom	T	Solid	Moisture	
460-61340-13DU	Duplicate	T	Solid	Moisture	
Prep Batch: 460-176489					
HLCS 460-176489/3-A	High Level Control Sample	T	Solid	9012A	
LLCS 460-176489/2-A	Low Level Control Sample	T	Solid	9012A	
MB 460-176489/1-A	Method Blank	T	Solid	9012A	
460-61340-1	WC-1 top	T	Solid	9012A	
460-61340-2	WC-1 bottom	T	Solid	9012A	
460-61340-6	WC-2 top	T	Solid	9012A	
460-61340-7	WC-2 bottom	T	Solid	9012A	
460-61340-10	WC-3 top	T	Solid	9012A	
460-61340-11	WC-3 bottom	T	Solid	9012A	
Analysis Batch:460-176512					
HLCS 460-176489/3-A	High Level Control Sample	T	Solid	9012A	460-176489
LLCS 460-176489/2-A	Low Level Control Sample	T	Solid	9012A	460-176489
MB 460-176489/1-A	Method Blank	T	Solid	9012A	460-176489
460-61340-1	WC-1 top	T	Solid	9012A	460-176489
460-61340-2	WC-1 bottom	T	Solid	9012A	460-176489
460-61340-6	WC-2 top	T	Solid	9012A	460-176489
460-61340-7	WC-2 bottom	T	Solid	9012A	460-176489
460-61340-10	WC-3 top	T	Solid	9012A	460-176489
460-61340-11	WC-3 bottom	T	Solid	9012A	460-176489

Client: AKRF Inc

Job Number: 460-61340-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 460-176835					
LCSI 460-176835/3-A	Lab Control Sample Insoluble	T	Solid	3060A	
LCSS 460-176835/2-A	Lab Control Sample Soluble	T	Solid	3060A	
MB 460-176835/1-A	Method Blank	T	Solid	3060A	
460-61340-1	WC-1 top	T	Solid	3060A	
460-61340-2	WC-1 bottom	T	Solid	3060A	
460-61340-6	WC-2 top	T	Solid	3060A	
460-61340-7	WC-2 bottom	T	Solid	3060A	
460-61340-10	WC-3 top	T	Solid	3060A	
460-61340-11	WC-3 bottom	T	Solid	3060A	
Analysis Batch:460-176842					
LCSI 460-176835/3-A	Lab Control Sample Insoluble	T	Solid	7196A	460-176835
LCSS 460-176835/2-A	Lab Control Sample Soluble	T	Solid	7196A	460-176835
MB 460-176835/1-A	Method Blank	T	Solid	7196A	460-176835
460-61340-1	WC-1 top	T	Solid	7196A	460-176835
460-61340-2	WC-1 bottom	T	Solid	7196A	460-176835
460-61340-6	WC-2 top	T	Solid	7196A	460-176835
460-61340-7	WC-2 bottom	T	Solid	7196A	460-176835
460-61340-10	WC-3 top	T	Solid	7196A	460-176835
460-61340-11	WC-3 bottom	T	Solid	7196A	460-176835
Prep Batch: 460-176947					
LCSI 460-176947/3-A	Lab Control Sample Insoluble	T	Solid	3060A	
LCSS 460-176947/2-A	Lab Control Sample Soluble	T	Solid	3060A	
MB 460-176947/1-A	Method Blank	T	Solid	3060A	
460-61340-1	WC-1 top	T	Solid	3060A	
460-61340-2	WC-1 bottom	T	Solid	3060A	
460-61340-6	WC-2 top	T	Solid	3060A	
460-61340-7	WC-2 bottom	T	Solid	3060A	
460-61340-10	WC-3 top	T	Solid	3060A	
460-61340-11	WC-3 bottom	T	Solid	3060A	
Analysis Batch:460-177022					
LCSI 460-176947/3-A	Lab Control Sample Insoluble	T	Solid	7196A	460-176947
LCSS 460-176947/2-A	Lab Control Sample Soluble	T	Solid	7196A	460-176947
MB 460-176947/1-A	Method Blank	T	Solid	7196A	460-176947
460-61340-1	WC-1 top	T	Solid	7196A	460-176947
460-61340-2	WC-1 bottom	T	Solid	7196A	460-176947
460-61340-6	WC-2 top	T	Solid	7196A	460-176947
460-61340-7	WC-2 bottom	T	Solid	7196A	460-176947
460-61340-10	WC-3 top	T	Solid	7196A	460-176947
460-61340-11	WC-3 bottom	T	Solid	7196A	460-176947

Client: AKRF Inc

Job Number: 460-61340-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-177078					
460-61340-1	WC-1 top	T	Solid	1030	
460-61340-2	WC-1 bottom	T	Solid	1030	
460-61340-6	WC-2 top	T	Solid	1030	
460-61340-7	WC-2 bottom	T	Solid	1030	
460-61340-10	WC-3 top	T	Solid	1030	
460-61340-11	WC-3 bottom	T	Solid	1030	
Prep Batch: 460-177122					
LCSSRM 460-177122/2-A	LCS-Certified Reference Material	T	Solid	7.3.4	
MB 460-177122/1-A	Method Blank	T	Solid	7.3.4	
460-61340-1	WC-1 top	T	Solid	7.3.4	
460-61340-1MS	Matrix Spike	T	Solid	7.3.4	
460-61340-1MSD	Matrix Spike Duplicate	T	Solid	7.3.4	
460-61340-2	WC-1 bottom	T	Solid	7.3.4	
460-61340-6	WC-2 top	T	Solid	7.3.4	
460-61340-7	WC-2 bottom	T	Solid	7.3.4	
460-61340-10	WC-3 top	T	Solid	7.3.4	
460-61340-11	WC-3 bottom	T	Solid	7.3.4	
Prep Batch: 460-177123					
LCS 460-177123/2-A	Lab Control Sample	T	Solid	7.3.3	
MB 460-177123/1-A	Method Blank	T	Solid	7.3.3	
460-61340-1	WC-1 top	T	Solid	7.3.3	
460-61340-1DU	Duplicate	T	Solid	7.3.3	
460-61340-2	WC-1 bottom	T	Solid	7.3.3	
460-61340-6	WC-2 top	T	Solid	7.3.3	
460-61340-7	WC-2 bottom	T	Solid	7.3.3	
460-61340-10	WC-3 top	T	Solid	7.3.3	
460-61340-11	WC-3 bottom	T	Solid	7.3.3	
Analysis Batch:460-177125					
LCSSRM 460-177122/2-A	LCS-Certified Reference Material	T	Solid	9034	460-177122
MB 460-177122/1-A	Method Blank	T	Solid	9034	460-177122
460-61340-1	WC-1 top	T	Solid	9034	460-177122
460-61340-1MS	Matrix Spike	T	Solid	9034	460-177122
460-61340-1MSD	Matrix Spike Duplicate	T	Solid	9034	460-177122
460-61340-2	WC-1 bottom	T	Solid	9034	460-177122
460-61340-6	WC-2 top	T	Solid	9034	460-177122
460-61340-7	WC-2 bottom	T	Solid	9034	460-177122
460-61340-10	WC-3 top	T	Solid	9034	460-177122
460-61340-11	WC-3 bottom	T	Solid	9034	460-177122

Client: AKRF Inc

Job Number: 460-61340-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-177127					
LCS 460-177123/2-A	Lab Control Sample	T	Solid	9014	460-177123
MB 460-177123/1-A	Method Blank	T	Solid	9014	460-177123
460-61340-1	WC-1 top	T	Solid	9014	460-177123
460-61340-1DU	Duplicate	T	Solid	9014	460-177123
460-61340-2	WC-1 bottom	T	Solid	9014	460-177123
460-61340-6	WC-2 top	T	Solid	9014	460-177123
460-61340-7	WC-2 bottom	T	Solid	9014	460-177123
460-61340-10	WC-3 top	T	Solid	9014	460-177123
460-61340-11	WC-3 bottom	T	Solid	9014	460-177123
Analysis Batch:460-177192					
LCSSRM 460-177192/3	LCS-Certified Reference Material	T	Solid	9045C	
MB 460-177192/2	Method Blank	T	Solid	9045C	
460-61340-1	WC-1 top	T	Solid	9045C	
460-61340-2	WC-1 bottom	T	Solid	9045C	
460-61340-6	WC-2 top	T	Solid	9045C	
460-61340-7	WC-2 bottom	T	Solid	9045C	
460-61340-10	WC-3 top	T	Solid	9045C	
460-61340-11	WC-3 bottom	T	Solid	9045C	
Analysis Batch:460-177256					
460-61340-1	WC-1 top	T	Solid	9095B	
460-61340-1DU	Duplicate	T	Solid	9095B	

Report Basis

T = Total

Client: AKRF Inc

Job Number: 460-61340-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
460-61340-1	WC-1 top	116	93	87	118
460-61340-2	WC-1 bottom	116	92	85	120
460-61340-6	WC-2 top	124	98	91	127
460-61340-7	WC-2 bottom	119	95	89	121
460-61340-10	WC-3 top	116	97	89	120
460-61340-11	WC-3 bottom	120	97	88	123
MB 460-176628/6		115	95	89	114
MB 460-176712/7		123	96	90	121
LCS 460-176628/3		115	97	93	111
LCS 460-176712/4		124	97	92	118
LCSD 460-176628/4		111	98	91	112
LCSD 460-176712/5		119	99	92	117

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane (Surr)	70-130

Client: AKRF Inc

Job Number: 460-61340-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
460-61340-5	TW-1	97	96	95	99
MB 460-177286/5		98	101	100	99
LCS 460-177286/3		96	93	96	98

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane (Surr)	70-130

Client: AKRF Inc

Job Number: 460-61340-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	PHL %Rec	TPH %Rec	TBP %Rec	2FP %Rec	FBP %Rec
460-61340-1	WC-1 top	93	82	89	61	79	85
460-61340-2	WC-1 bottom	92	92	96	70	85	97
460-61340-3	Sb-1 top	84	87	86	67	83	93
460-61340-6	WC-2 top	76	85	87	61	81	82
460-61340-7	WC-2 bottom	91	95	106	66	94	101
460-61340-8	Sb-2 top	81	85	80	50	77	83
460-61340-10	WC-3 top	77	80	75	57	82	95
460-61340-11	WC-3 bottom	85	87	79	62	82	92
460-61340-12	SB-3 top	85	92	93	89	87	92
MB 460-176474/1-A		86	98	91	92	97	87
460-61340-1 MS	WC-1 top MS	83	82	78	66	84	84
460-61340-1 MSD	WC-1 top MSD	74	80	77	62	75	81

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	38-105
PHL = Phenol-d5	41-118
TPH = Terphenyl-d14	16-151
TBP = 2,4,6-Tribromophenol	10-120
2FP = 2-Fluorophenol	37-125
FBP = 2-Fluorobiphenyl	40-109

Client: AKRF Inc

Job Number: 460-61340-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	NBZ %Rec	PHL %Rec	TPH %Rec	TBP %Rec	2FP %Rec	FBP %Rec
460-61340-5	TW-1	113	31	132*	112	49	113
MB 460-176507/1-A		74	27	81	63	55	71
LCS 460-176507/2-A		79	41	78	78	52	76
LCSD 460-176507/3-A		82	42	81	70	58	81

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	60-114
PHL = Phenol-d5	4-86
TPH = Terphenyl-d14	72-130
TBP = 2,4,6-Tribromophenol	51-126
2FP = 2-Fluorophenol	15-96
FBP = 2-Fluorobiphenyl	50-120

Client: AKRF Inc

Job Number: 460-61340-1

Surrogate Recovery Report

8081A Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
460-61340-1	WC-1 top	89	101	117	107
460-61340-2	WC-1 bottom	129	136	155*	141
460-61340-3	Sb-1 top	111	116	140	125
460-61340-6	WC-2 top	94	103	112	106
460-61340-7	WC-2 bottom	134	141	160*	145
460-61340-8	Sb-2 top	133	140	160*	143
460-61340-10	WC-3 top	99	103	113	104
460-61340-11	WC-3 bottom	112	122	128	121
460-61340-12	SB-3 top	134	140	161*	142
MB 460-176446/1-A		92	98	118	97
LCS 460-176446/2-A		113	115	138	115

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	37-150
DCB = DCB Decachlorobiphenyl	60-150

Client: AKRF Inc

Job Number: 460-61340-1

Surrogate Recovery Report

8081A Organochlorine Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
460-61340-5	TW-1	92	95	62	62
MB 460-176655/1-A		89	91	111	105
LCS 460-176655/2-A		100	98	112	107
LCSD 460-176655/3-A		102	101	98	93

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	49-132
DCB = DCB Decachlorobiphenyl	37-144

Client: AKRF Inc

Job Number: 460-61340-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec
460-61340-1	WC-1 top	99	124
460-61340-2	WC-1 bottom	97	89
460-61340-3	Sb-1 top	95	91
460-61340-6	WC-2 top	114	98
460-61340-7	WC-2 bottom	95	91
460-61340-8	Sb-2 top	92	89
460-61340-10	WC-3 top	96	92
460-61340-11	WC-3 bottom	99	100
460-61340-12	SB-3 top	86	83
MB 460-176445/1-A		113	99
LCS 460-176445/2-A		106	101

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	45-138

Client: AKRF Inc

Job Number: 460-61340-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec
460-61340-5	TW-1	55	64
MB 460-176654/1-A		146	149
LCS 460-176654/2-A		105	104
LCSD 460-176654/3-A		73	74

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	37-150

Client: AKRF Inc

Job Number: 460-61340-1

Surrogate Recovery Report

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Client Matrix: Solid

Lab Sample ID	Client Sample ID	OTPH1 %Rec	1COD1 %Rec
460-61340-1	WC-1 top	97	104
460-61340-2	WC-1 bottom	74	80
460-61340-6	WC-2 top	102	107
460-61340-7	WC-2 bottom	89	91
460-61340-10	WC-3 top	68	77
460-61340-11	WC-3 bottom	61	61
MB 460-176558/1-A		97	102
MB 460-176886/1-A		99	100
LCS 460-176558/2-A		94	106
LCS 460-176886/2-A		93	102

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	40-140
1COD = 1-Chlorooctadecane	40-140

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176628

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-176628/6	Analysis Batch:	460-176628	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D35796.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/17/2013 0333	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	1.0	U	0.16	1.0
Bromomethane	1.0	U	0.43	1.0
Vinyl chloride	1.0	U	0.34	1.0
Chloroethane	1.0	U	0.33	1.0
Methylene Chloride	1.0	U	0.15	1.0
Acetone	5.39	J	1.7	10
Carbon disulfide	1.0	U	0.15	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0
1,1-Dichloroethene	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.11	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	1.0	U	0.11	1.0
Chloroform	1.0	U	0.24	1.0
1,2-Dichloroethane	1.0	U	0.18	1.0
2-Butanone	10	U	0.63	10
1,1,1-Trichloroethane	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.15	1.0
Benzene	1.0	U	0.15	1.0
Bromoform	1.0	U	0.17	1.0
2-Hexanone	10	U	0.13	10
Trichloroethene	1.0	U	0.12	1.0
Toluene	1.0	U	0.14	1.0
Chlorobenzene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.20	10
Ethylbenzene	1.0	U	0.17	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
Styrene	1.0	U	0.28	1.0
m&p-Xylene	2.0	U	0.59	2.0
o-Xylene	1.0	U	0.19	1.0
Freon TF	1.0	U	0.11	1.0
MTBE	1.0	U	0.11	1.0
1,2-Dichloropropane	1.0	U	0.15	1.0
Cyclohexane	1.0	U	0.13	1.0
1,3-Dichlorobenzene	1.0	U	0.16	1.0
Tetrachloroethene	1.0	U	0.12	1.0
1,4-Dichlorobenzene	1.0	U	0.11	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
1,2-Dichlorobenzene	1.0	U	0.10	1.0
1,1,2-Trichloroethane	1.0	U	0.14	1.0
1,2,4-Trichlorobenzene	1.0	U	0.19	1.0
Dibromochloromethane	1.0	U	0.10	1.0
1,2-Dibromoethane	1.0	U	0.15	1.0
1,4-Dioxane	50	U	13	50
1,2,3-Trichlorobenzene	1.0	U	0.16	1.0

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176628

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-176628/6	Analysis Batch:	460-176628	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D35796.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/17/2013 0333	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	1.0	U	0.22	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.44	1.0
Bromochloromethane	1.0	U	0.11	1.0
Bromodichloromethane	1.0	U	0.32	1.0
Isopropylbenzene	1.0	U	0.11	1.0
Methyl acetate	1.0	U	0.32	1.0
Methylcyclohexane	1.0	U	0.10	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	70 - 130
Toluene-d8 (Surr)	95	70 - 130
Bromofluorobenzene	89	70 - 130
Dibromofluoromethane (Surr)	114	70 - 130

Method Blank TICs- Batch: 460-176628

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61340-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-176628

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-176628/3	Analysis Batch:	460-176628	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D35793.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/17/2013 0215	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-176628/4	Analysis Batch:	460-176628	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D35794.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/17/2013 0239	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloromethane	134	114	50 - 151	16	30		
Bromomethane	123	120	54 - 142	3	30		
Vinyl chloride	122	121	67 - 133	1	30		
Chloroethane	123	124	56 - 146	0	30		
Methylene Chloride	103	107	74 - 137	4	30		
Acetone	97	108	27 - 164	11	30		
Carbon disulfide	104	110	72 - 128	6	30		
Trichlorofluoromethane	120	115	61 - 139	4	30		
1,1-Dichloroethene	104	110	71 - 126	6	30		
1,1-Dichloroethane	104	111	76 - 125	7	30		
trans-1,2-Dichloroethene	107	114	75 - 122	6	30		
cis-1,2-Dichloroethene	104	110	80 - 120	5	30		
Chloroform	104	115	77 - 120	10	30		
1,2-Dichloroethane	101	110	76 - 118	9	30		
2-Butanone	92	93	77 - 117	1	30		
1,1,1-Trichloroethane	105	113	78 - 117	7	30		
Carbon tetrachloride	107	116	79 - 118	8	30		
Benzene	90	95	77 - 117	6	30		
Bromoform	90	98	59 - 125	8	30		
2-Hexanone	87	84	70 - 122	3	30		
Trichloroethene	106	114	79 - 119	7	30		
Toluene	89	93	75 - 115	5	30		
Chlorobenzene	92	93	80 - 120	1	30		
trans-1,3-Dichloropropene	90	89	67 - 121	0	30		
4-Methyl-2-pentanone	90	88	68 - 120	2	30		
Ethylbenzene	94	97	81 - 121	3	30		
cis-1,3-Dichloropropene	84	84	80 - 123	0	30		
Styrene	96	98	82 - 122	2	30		
m&p-Xylene	95	99	81 - 121	4	30		
o-Xylene	96	98	82 - 122	2	30		
Freon TF	108	115	73 - 123	6	30		
MTBE	104	108	78 - 120	3	30		
1,2-Dichloropropane	101	103	82 - 122	2	30		
Cyclohexane	105	112	80 - 121	6	30		
1,3-Dichlorobenzene	92	93	80 - 120	2	30		

Client: AKRF Inc

Job Number: 460-61340-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-176628

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-176628/3	Analysis Batch:	460-176628	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D35793.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/17/2013 0215	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-176628/4	Analysis Batch:	460-176628	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D35794.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/17/2013 0239	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Tetrachloroethene	98	99	80 - 120	2	30		
1,4-Dichlorobenzene	90	93	80 - 120	3	30		
1,1,2,2-Tetrachloroethane	82	89	79 - 122	9	30		
1,2-Dichlorobenzene	89	91	80 - 120	2	30		
1,1,2-Trichloroethane	95	96	73 - 118	1	30		
1,2,4-Trichlorobenzene	90	95	80 - 120	5	30		
Dibromochloromethane	91	90	68 - 120	2	30		
1,2-Dibromoethane	93	93	75 - 117	0	30		
1,4-Dioxane	90	99	69 - 131	9	30		
1,2,3-Trichlorobenzene	86	90	75 - 121	5	30		
Dichlorodifluoromethane	133	126	52 - 144	5	30		
1,2-Dibromo-3-Chloropropane	83	86	74 - 118	3	30		
Bromochloromethane	110	112	74 - 125	1	30		
Bromodichloromethane	101	106	79 - 119	5	30		
Isopropylbenzene	97	101	65 - 129	4	30		
Methyl acetate	94	112	73 - 137	17	30		
Methylcyclohexane	107	113	78 - 118	6	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	111	70 - 130
Toluene-d8 (Surr)	97	98	70 - 130
Bromofluorobenzene	93	91	70 - 130
Dibromofluoromethane (Surr)	111	112	70 - 130

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176712

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-176712/7	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D35824.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/18/2013 0443	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	1.0	U	0.16	1.0
Bromomethane	1.0	U	0.43	1.0
Vinyl chloride	1.0	U	0.34	1.0
Chloroethane	1.0	U	0.33	1.0
Methylene Chloride	1.0	U	0.15	1.0
Acetone	10	U	1.7	10
Carbon disulfide	1.0	U	0.15	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0
1,1-Dichloroethene	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.11	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	1.0	U	0.11	1.0
Chloroform	1.0	U	0.24	1.0
1,2-Dichloroethane	1.0	U	0.18	1.0
2-Butanone	10	U	0.63	10
1,1,1-Trichloroethane	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.15	1.0
Benzene	1.0	U	0.15	1.0
Bromoform	1.0	U	0.17	1.0
2-Hexanone	10	U	0.13	10
Trichloroethene	1.0	U	0.12	1.0
Toluene	1.0	U	0.14	1.0
Chlorobenzene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.20	10
Ethylbenzene	1.0	U	0.17	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
Styrene	1.0	U	0.28	1.0
m&p-Xylene	2.0	U	0.59	2.0
o-Xylene	1.0	U	0.19	1.0
Freon TF	1.0	U	0.11	1.0
MTBE	1.0	U	0.11	1.0
1,2-Dichloropropane	1.0	U	0.15	1.0
Cyclohexane	1.0	U	0.13	1.0
1,3-Dichlorobenzene	1.0	U	0.16	1.0
Tetrachloroethene	1.0	U	0.12	1.0
1,4-Dichlorobenzene	1.0	U	0.11	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
1,2-Dichlorobenzene	1.0	U	0.10	1.0
1,1,2-Trichloroethane	1.0	U	0.14	1.0
1,2,4-Trichlorobenzene	1.0	U	0.19	1.0
Dibromochloromethane	1.0	U	0.10	1.0
1,2-Dibromoethane	1.0	U	0.15	1.0
1,4-Dioxane	50	U	13	50
1,2,3-Trichlorobenzene	1.0	U	0.16	1.0

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176712

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-176712/7	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D35824.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/18/2013 0443	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	1.0	U	0.22	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.44	1.0
Bromochloromethane	1.0	U	0.11	1.0
Bromodichloromethane	1.0	U	0.32	1.0
Isopropylbenzene	1.0	U	0.11	1.0
Methyl acetate	1.0	U	0.32	1.0
Methylcyclohexane	1.0	U	0.10	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	123	70 - 130
Toluene-d8 (Surr)	96	70 - 130
Bromofluorobenzene	90	70 - 130
Dibromofluoromethane (Surr)	121	70 - 130

Method Blank TICs- Batch: 460-176712

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61340-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-176712

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-176712/4	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D35821.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/18/2013 0321	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-176712/5	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D35822.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/18/2013 0345	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloromethane	131	130	50 - 151	1	30		
Bromomethane	129	127	54 - 142	2	30		
Vinyl chloride	124	126	67 - 133	1	30		
Chloroethane	130	134	56 - 146	3	30		
Methylene Chloride	113	110	74 - 137	3	30		
Acetone	115	99	27 - 164	15	30		
Carbon disulfide	115	112	72 - 128	3	30		
Trichlorofluoromethane	129	128	61 - 139	1	30		
1,1-Dichloroethene	111	112	71 - 126	0	30		
1,1-Dichloroethane	112	112	76 - 125	0	30		
trans-1,2-Dichloroethene	119	117	75 - 122	2	30		
cis-1,2-Dichloroethene	116	111	80 - 120	4	30		
Chloroform	109	112	77 - 120	3	30		
1,2-Dichloroethane	112	108	76 - 118	4	30		
2-Butanone	80	98	77 - 117	20	30		
1,1,1-Trichloroethane	116	116	78 - 117	0	30		
Carbon tetrachloride	109	103	79 - 118	6	30		
Benzene	89	93	77 - 117	5	30		
Bromoform	93	99	59 - 125	6	30		
2-Hexanone	85	89	70 - 122	5	30		
Trichloroethene	111	111	79 - 119	0	30		
Toluene	87	92	75 - 115	6	30		
Chlorobenzene	91	94	80 - 120	3	30		
trans-1,3-Dichloropropene	88	92	67 - 121	5	30		
4-Methyl-2-pentanone	85	87	68 - 120	2	30		
Ethylbenzene	93	98	81 - 121	5	30		
cis-1,3-Dichloropropene	84	88	80 - 123	4	30		
Styrene	95	96	82 - 122	1	30		
m&p-Xylene	94	96	81 - 121	2	30		
o-Xylene	96	97	82 - 122	1	30		
Freon TF	120	115	73 - 123	4	30		
MTBE	114	110	78 - 120	4	30		
1,2-Dichloropropane	107	108	82 - 122	0	30		
Cyclohexane	114	111	80 - 121	2	30		
1,3-Dichlorobenzene	93	93	80 - 120	0	30		

Client: AKRF Inc

Job Number: 460-61340-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-176712

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-176712/4	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D35821.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/18/2013 0321	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-176712/5	Analysis Batch:	460-176712	Instrument ID:	CVOAMS4
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	D35822.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/18/2013 0345	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Tetrachloroethene	98	99	80 - 120	1	30		
1,4-Dichlorobenzene	92	93	80 - 120	1	30		
1,1,2,2-Tetrachloroethane	84	81	79 - 122	3	30		
1,2-Dichlorobenzene	90	87	80 - 120	4	30		
1,1,2-Trichloroethane	92	101	73 - 118	9	30		
1,2,4-Trichlorobenzene	92	91	80 - 120	1	30		
Dibromochloromethane	91	94	68 - 120	4	30		
1,2-Dibromoethane	93	90	75 - 117	3	30		
1,4-Dioxane	87	104	69 - 131	18	30		
1,2,3-Trichlorobenzene	92	87	75 - 121	5	30		
Dichlorodifluoromethane	144	136	52 - 144	5	30		
1,2-Dibromo-3-Chloropropane	84	84	74 - 118	0	30		
Bromochloromethane	114	118	74 - 125	3	30		
Bromodichloromethane	108	111	79 - 119	2	30		
Isopropylbenzene	98	100	65 - 129	3	30		
Methyl acetate	114	98	73 - 137	15	30		
Methylcyclohexane	116	116	78 - 118	0	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	124	119	70 - 130
Toluene-d8 (Surr)	97	99	70 - 130
Bromofluorobenzene	92	92	70 - 130
Dibromofluoromethane (Surr)	118	117	70 - 130

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-177286

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 460-177286/5	Analysis Batch:	460-177286	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E19812.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/21/2013 1137	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/21/2013 1137				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	1.0	U	0.10	1.0
Bromomethane	1.0	U	0.18	1.0
Vinyl chloride	1.0	U	0.14	1.0
Chloroethane	1.0	U	0.17	1.0
Methylene Chloride	1.0	U	0.18	1.0
Acetone	5.0	U	2.7	5.0
Carbon disulfide	1.0	U	0.13	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
Chloroform	1.0	U	0.080	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
2-Butanone	5.0	U	2.3	5.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
2-Hexanone	5.0	U	0.50	5.0
Trichloroethene	1.0	U	0.090	1.0
Toluene	1.0	U	0.15	1.0
Chlorobenzene	1.0	U	0.11	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
4-Methyl-2-pentanone	5.0	U	0.99	5.0
Ethylbenzene	1.0	U	0.10	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Styrene	1.0	U	0.12	1.0
m&p-Xylene	2.0	U	0.25	2.0
o-Xylene	1.0	U	0.13	1.0
Freon TF	1.0	U	0.080	1.0
MTBE	1.0	U	0.14	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
Cyclohexane	1.0	U	0.16	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
Tetrachloroethene	1.0	U	0.10	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
Dibromochloromethane	1.0	U	0.20	1.0
1,2-Dibromoethane	1.0	U	0.28	1.0
1,4-Dioxane	50	U	36	50
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-177286

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 460-177286/5	Analysis Batch:	460-177286	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E19812.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/21/2013 1137	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/21/2013 1137				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	1.0	U	0.22	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0
Bromochloromethane	1.0	U	0.27	1.0
Bromodichloromethane	1.0	U	0.12	1.0
Isopropylbenzene	1.0	U	0.080	1.0
Methyl acetate	2.0	U	0.34	2.0
Methylcyclohexane	1.0	U	0.14	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	70 - 130
Toluene-d8 (Surr)	101	70 - 130
Bromofluorobenzene	100	70 - 130
Dibromofluoromethane (Surr)	99	70 - 130

Method Blank TICs- Batch: 460-177286

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61340-1

Lab Control Sample - Batch: 460-177286

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 460-177286/3	Analysis Batch:	460-177286	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E19810.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/21/2013 1037	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/21/2013 1037				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	20.0	17.6	88	58 - 146	
Bromomethane	20.0	14.1	70	55 - 153	
Vinyl chloride	20.0	17.9	90	61 - 144	
Chloroethane	20.0	22.6	113	69 - 145	
Methylene Chloride	20.0	21.9	109	79 - 119	
Acetone	100	110	110	45 - 156	
Carbon disulfide	20.0	20.8	104	58 - 139	
Trichlorofluoromethane	20.0	17.8	89	69 - 147	
1,1-Dichloroethene	20.0	21.4	107	56 - 139	
1,1-Dichloroethane	20.0	21.9	110	78 - 122	
trans-1,2-Dichloroethene	20.0	22.1	111	75 - 122	
cis-1,2-Dichloroethene	20.0	20.0	100	80 - 120	
Chloroform	20.0	21.6	108	82 - 123	
1,2-Dichloroethane	20.0	21.7	109	74 - 118	
2-Butanone	100	104	104	65 - 114	
1,1,1-Trichloroethane	20.0	20.8	104	74 - 128	
Carbon tetrachloride	20.0	20.2	101	73 - 120	
Benzene	20.0	19.8	99	83 - 124	
Bromoform	20.0	18.4	92	73 - 123	
2-Hexanone	100	92.7	93	53 - 121	
Trichloroethene	20.0	20.7	103	78 - 119	
Toluene	20.0	20.0	100	80 - 120	
Chlorobenzene	20.0	21.1	105	81 - 121	
trans-1,3-Dichloropropene	20.0	19.3	96	78 - 118	
4-Methyl-2-pentanone	100	88.7	89	53 - 120	
Ethylbenzene	20.0	20.3	102	79 - 126	
cis-1,3-Dichloropropene	20.0	19.5	97	80 - 120	
Styrene	20.0	20.5	103	69 - 112	
m&p-Xylene	20.0	20.8	104	76 - 120	
o-Xylene	20.0	20.0	100	78 - 118	
Freon TF	20.0	17.8	89	47 - 139	
MTBE	20.0	21.2	106	71 - 115	
1,2-Dichloropropane	20.0	20.6	103	80 - 120	
Cyclohexane	20.0	16.4	82	58 - 133	
1,3-Dichlorobenzene	20.0	20.5	103	81 - 126	
Tetrachloroethene	20.0	20.0	100	68 - 139	
1,4-Dichlorobenzene	20.0	20.5	102	83 - 123	
1,1,2,2-Tetrachloroethane	20.0	18.9	95	74 - 126	
1,2-Dichlorobenzene	20.0	20.2	101	82 - 122	
1,1,2-Trichloroethane	20.0	19.6	98	79 - 119	
1,2,4-Trichlorobenzene	20.0	20.7	103	66 - 120	

Client: AKRF Inc

Job Number: 460-61340-1

Lab Control Sample - Batch: 460-177286

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 460-177286/3	Analysis Batch:	460-177286	Instrument ID:	CVOAMS5
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	E19810.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/21/2013 1037	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/21/2013 1037				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	20.0	19.4	97	80 - 120	
1,2-Dibromoethane	20.0	20.4	102	78 - 118	
1,4-Dioxane	400	603	151	52 - 126	*
1,2,3-Trichlorobenzene	20.0	21.0	105	76 - 123	
Dichlorodifluoromethane	20.0	16.1	80	46 - 145	
1,2-Dibromo-3-Chloropropane	20.0	18.6	93	70 - 116	
Bromochloromethane	20.0	21.5	107	80 - 121	
Bromodichloromethane	20.0	20.6	103	79 - 119	
Isopropylbenzene	20.0	20.8	104	80 - 125	
Methyl acetate	100	114	114	50 - 151	
Methylcyclohexane	20.0	16.2	81	61 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	70 - 130
Toluene-d8 (Surr)	93	70 - 130
Bromofluorobenzene	96	70 - 130
Dibromofluoromethane (Surr)	98	70 - 130

Method Blank - Batch: 460-176474 **Method: 8270C**
Preparation: 3541

Lab Sample ID:	MB 460-176474/1-A	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Client Matrix:	Solid	Prep Batch:	460-176474	Lab File ID:	U90184.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/19/2013 2123	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Phenol	330	U	44	330
2-Chlorophenol	330	U	44	330
2-Methylphenol	330	U	56	330
4-Methylphenol	330	U	65	330
2-Nitrophenol	330	U	37	330
2,4-Dimethylphenol	330	U	82	330
2,4-Dichlorophenol	330	U	48	330
Bis(2-chloroethyl)ether	33	U	4.5	33
N-Nitrosodi-n-propylamine	33	U	5.5	33
Hexachloroethane	33	U	3.7	33
Nitrobenzene	33	U	4.7	33
Isophorone	330	U	40	330
Bis(2-chloroethoxy)methane	330	U	43	330
4-Chloro-3-methylphenol	330	U	50	330
Naphthalene	330	U	38	330
4-Chloroaniline	330	U	88	330
Hexachlorobutadiene	67	U	8.1	67
2-Methylnaphthalene	330	U	43	330
2,4,6-Trichlorophenol	330	U	39	330
Hexachlorocyclopentadiene	330	U	39	330
2,4,5-Trichlorophenol	330	U	43	330
2-Chloronaphthalene	330	U	37	330
2-Nitroaniline	670	U	140	670
2,6-Dinitrotoluene	67	U	10	67
Dimethyl phthalate	330	U	39	330
Acenaphthylene	330	U	39	330
3-Nitroaniline	670	U	120	670
Acenaphthene	330	U	48	330
4-Nitrophenol	1000	U	210	1000
2,4-Dinitrophenol	1000	U	190	1000
Dibenzofuran	330	U	39	330
Diethyl phthalate	330	U	39	330
Fluorene	330	U	42	330
Hexachlorobenzene	33	U	4.5	33
2,4-Dinitrotoluene	67	U	11	67
4-Chlorophenyl phenyl ether	330	U	39	330
4-Nitroaniline	670	U	100	670
4,6-Dinitro-2-methylphenol	1000	U	90	1000
Di-n-butyl phthalate	330	U	41	330
4-Bromophenyl phenyl ether	330	U	33	330
Fluoranthene	330	U	44	330
Anthracene	330	U	40	330
Carbazole	330	U	39	330
Phenanthrene	330	U	42	330
Pentachlorophenol	1000	U	99	1000

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176474

Method: 8270C
Preparation: 3541

Lab Sample ID:	MB 460-176474/1-A	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Client Matrix:	Solid	Prep Batch:	460-176474	Lab File ID:	U90184.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/19/2013 2123	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Pyrene	330	U	28	330
Chrysene	330	U	39	330
Benzo[k]fluoranthene	33	U	2.5	33
Benzo[b]fluoranthene	33	U	2.1	33
Benzo[a]pyrene	33	U	2.3	33
Benzo[a]anthracene	33	U	2.3	33
Benzo[g,h,i]perylene	330	U	25	330
N-Nitrosodiphenylamine	330	U	33	330
Butyl benzyl phthalate	330	U	30	330
Diphenyl	330	U	44	330
Acetophenone	330	U	51	330
Bis(2-ethylhexyl) phthalate	330	U	110	330
Benzaldehyde	330	U	39	330
Di-n-octyl phthalate	330	U	21	330
Caprolactam	330	U	76	330
Indeno[1,2,3-cd]pyrene	33	U	6.2	33
Atrazine	330	U	51	330
Dibenz(a,h)anthracene	33	U	4.2	33
3,3'-Dichlorobenzidine	670	U	120	670
2,2'-oxybis[1-chloropropane]	330	U	37	330
1,2,4,5-Tetrachlorobenzene	330	U	45	330
2,3,4,6-Tetrachlorophenol	330	U	43	330

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	86	38 - 105
Phenol-d5	98	41 - 118
Terphenyl-d14	91	16 - 151
2,4,6-Tribromophenol	92	10 - 120
2-Fluorophenol	97	37 - 125
2-Fluorobiphenyl	87	40 - 109

Method Blank TICs- Batch: 460-176474

Cas Number	Analyte	RT	Est. Result	Qual
	Aldol condensation product	1.74	11300	A J

Client: AKRF Inc

Job Number: 460-61340-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176474

Method: 8270C
Preparation: 3541

MS Lab Sample ID:	460-61340-1	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Client Matrix:	Solid	Prep Batch:	460-176474	Lab File ID:	U90190.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	08/19/2013 2323			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-61340-1	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Client Matrix:	Solid	Prep Batch:	460-176474	Lab File ID:	U90191.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	15.04 g
Analysis Date:	08/19/2013 2343			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenol	97	91	54 - 115	6	30		
2-Chlorophenol	88	87	56 - 110	0	30		
2-Methylphenol	95	94	54 - 117	0	30		
4-Methylphenol	90	95	47 - 103	5	30		
2-Nitrophenol	93	83	55 - 101	11	30		
2,4-Dimethylphenol	96	90	56 - 112	6	30		
2,4-Dichlorophenol	100	89	58 - 115	12	30		
Bis(2-chloroethyl)ether	86	82	44 - 101	5	30		
N-Nitrosodi-n-propylamine	91	91	42 - 107	0	30		
Hexachloroethane	80	77	45 - 90	4	30		
Nitrobenzene	91	84	42 - 106	9	30		
Isophorone	90	82	48 - 97	9	30		
Bis(2-chloroethoxy)methane	95	85	51 - 100	12	30		
4-Chloro-3-methylphenol	95	86	55 - 117	9	30		
Naphthalene	88	81	53 - 94	9	30		
4-Chloroaniline	50	46	10 - 96	7	30		
Hexachlorobutadiene	86	80	45 - 98	8	30		
2-Methylnaphthalene	94	82	51 - 98	13	30		
2,4,6-Trichlorophenol	92	83	53 - 118	10	30		
Hexachlorocyclopentadiene	43	45	24 - 98	5	30		
2,4,5-Trichlorophenol	89	83	50 - 115	8	30		
2-Chloronaphthalene	91	87	51 - 102	5	30		
2-Nitroaniline	100	93	51 - 109	7	30		
2,6-Dinitrotoluene	99	84	51 - 115	17	30		
Dimethyl phthalate	101	93	52 - 112	8	30		
Acenaphthylene	90	80	51 - 103	9	30		
3-Nitroaniline	74	71	32 - 104	4	30		
Acenaphthene	99	90	46 - 100	10	30		
4-Nitrophenol	92	90	45 - 114	2	30		
2,4-Dinitrophenol	47	44	10 - 129	8	30		
Dibenzofuran	91	82	52 - 106	9	30		
Diethyl phthalate	98	92	52 - 114	7	30		

Client: AKRF Inc

Job Number: 460-61340-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176474

Method: 8270C
Preparation: 3541

MS Lab Sample ID:	460-61340-1	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Client Matrix:	Solid	Prep Batch:	460-176474	Lab File ID:	U90190.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	08/19/2013 2323			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-61340-1	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Client Matrix:	Solid	Prep Batch:	460-176474	Lab File ID:	U90191.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	15.04 g
Analysis Date:	08/19/2013 2343			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Fluorene	85	79	51 - 108	7	30		
Hexachlorobenzene	92	80	43 - 104	14	30		
2,4-Dinitrotoluene	93	91	53 - 110	2	30		
4-Chlorophenyl phenyl ether	88	84	50 - 106	5	30		
4-Nitroaniline	86	80	45 - 106	8	30		
4,6-Dinitro-2-methylphenol	69	60	10 - 110	14	30		
Di-n-butyl phthalate	92	86	50 - 108	7	30		
4-Bromophenyl phenyl ether	96	85	44 - 102	12	30		
Fluoranthene	-18	-36	49 - 108	15	30	*	*
Anthracene	68	68	50 - 107	0	30		
Carbazole	90	77	49 - 104	16	30		
Phenanthrene	47	17	48 - 108	22	30	*	*
Pentachlorophenol	52	44	19 - 113	16	30		
Pyrene	-21	-30	49 - 116	6	30	*	*
Chrysene	21	5	45 - 114	14	30	*	*
Benzo[k]fluoranthene	68	51	35 - 115	17	30		
Benzo[b]fluoranthene	14	2	33 - 96	10	30	*	*
Benzo[a]pyrene	39	17	36 - 89	19	30		*
Benzo[a]anthracene	24	10	46 - 112	12	30	*	*
Benzo[g,h,i]perylene	67	55	43 - 106	10	30		
N-Nitrosodiphenylamine	103	101	49 - 106	2	30		
Butyl benzyl phthalate	94	90	49 - 117	4	30		
Diphenyl	108	97	50 - 105	10	30	*	
Acetophenone	81	77	40 - 95	5	30		
Bis(2-ethylhexyl) phthalate	93	89	49 - 119	4	30		
Benzaldehyde	21	20	10 - 160	5	30		
Di-n-octyl phthalate	82	70	40 - 106	15	30		
Caprolactam	61	58	10 - 127	6	30		
Indeno[1,2,3-cd]pyrene	69	56	43 - 109	11	30		
Atrazine	82	74	30 - 100	9	30		
Dibenz(a,h)anthracene	91	79	43 - 107	13	30		
3,3'-Dichlorobenzidine	64	60	24 - 105	6	30		

Client: AKRF Inc

Job Number: 460-61340-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176474

Method: 8270C
Preparation: 3541

MS Lab Sample ID:	460-61340-1	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Client Matrix:	Solid	Prep Batch:	460-176474	Lab File ID:	U90190.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	08/19/2013 2323			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-61340-1	Analysis Batch:	460-176951	Instrument ID:	CBNAMS4
Client Matrix:	Solid	Prep Batch:	460-176474	Lab File ID:	U90191.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	15.04 g
Analysis Date:	08/19/2013 2343			Final Weight/Volume:	1 mL
Prep Date:	08/16/2013 0823			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,2'-oxybis[1-chloropropane]	88	85	45 - 102	4	30		
1,2,4,5-Tetrachlorobenzene	90	83	70 - 130	8	30		
2,3,4,6-Tetrachlorophenol	65	63	70 - 130	3	30	*	*

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Nitrobenzene-d5	83	74	38 - 105
Phenol-d5	82	80	41 - 118
Terphenyl-d14	78	77	16 - 151
2,4,6-Tribromophenol	66	62	10 - 120
2-Fluorophenol	84	75	37 - 125
2-Fluorobiphenyl	84	81	40 - 109

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176507

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 460-176507/1-A	Analysis Batch:	460-177525	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-176507	Lab File ID:	M68580.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/22/2013 1244	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/16/2013 1033			Injection Volume:	5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Phenol	10	U	0.60	10
2-Chlorophenol	10	U	0.93	10
2-Methylphenol	10	U	1.4	10
4-Methylphenol	10	U	1.0	10
2-Nitrophenol	10	U	0.68	10
2,4-Dimethylphenol	10	U	1.2	10
2,4-Dichlorophenol	10	U	1.1	10
Bis(2-chloroethyl)ether	1.0	U	0.30	1.0
N-Nitrosodi-n-propylamine	1.0	U	0.27	1.0
Hexachloroethane	1.0	U	0.15	1.0
Nitrobenzene	1.0	U	0.34	1.0
Isophorone	10	U	1.3	10
Bis(2-chloroethoxy)methane	10	U	1.0	10
4-Chloro-3-methylphenol	10	U	1.1	10
Naphthalene	10	U	2.0	10
4-Chloroaniline	1.0	U	0.32	1.0
Hexachlorobutadiene	2.0	U	0.68	2.0
2-Methylnaphthalene	10	U	1.5	10
2,4,6-Trichlorophenol	10	U	1.4	10
Hexachlorocyclopentadiene	10	U	1.5	10
2,4,5-Trichlorophenol	10	U	2.2	10
2-Chloronaphthalene	10	U	1.3	10
2-Nitroaniline	20	U	2.0	20
2,6-Dinitrotoluene	2.0	U	0.27	2.0
Dimethyl phthalate	10	U	1.1	10
Acenaphthylene	10	U	1.8	10
3-Nitroaniline	20	U	2.9	20
Acenaphthene	10	U	1.1	10
4-Nitrophenol	30	U	2.0	30
2,4-Dinitrophenol	30	U	2.0	30
Dibenzofuran	10	U	1.5	10
Diethyl phthalate	10	U	1.4	10
Fluorene	10	U	1.7	10
Hexachlorobenzene	1.0	U	0.20	1.0
2,4-Dinitrotoluene	2.0	U	0.28	2.0
4-Chlorophenyl phenyl ether	10	U	1.5	10
4-Nitroaniline	20	U	2.9	20
4,6-Dinitro-2-methylphenol	30	U	3.0	30
Di-n-butyl phthalate	10	U	1.0	10
4-Bromophenyl phenyl ether	10	U	1.1	10
Fluoranthene	10	U	1.1	10
Anthracene	10	U	0.85	10
Carbazole	10	U	1.2	10
Phenanthrene	10	U	1.2	10
Pentachlorophenol	30	U	2.7	30

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176507

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 460-176507/1-A	Analysis Batch:	460-177525	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-176507	Lab File ID:	M68580.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/22/2013 1244	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/16/2013 1033			Injection Volume:	5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Pyrene	10	U	1.1	10
Chrysene	10	U	1.4	10
Benzo[k]fluoranthene	1.0	U	0.14	1.0
Benzo[b]fluoranthene	1.0	U	0.21	1.0
Benzo[a]pyrene	1.0	U	0.14	1.0
Benzo[a]anthracene	1.0	U	0.18	1.0
Benzo[g,h,i]perylene	10	U	0.93	10
N-Nitrosodiphenylamine	10	U	1.0	10
Butyl benzyl phthalate	10	U	1.4	10
Diphenyl	10	U	1.8	10
Acetophenone	10	U	0.89	10
Bis(2-ethylhexyl) phthalate	10	U	0.81	10
Benzaldehyde	10	U	2.1	10
Di-n-octyl phthalate	10	U	0.88	10
Caprolactam	10	U	0.91	10
Indeno[1,2,3-cd]pyrene	1.0	U	0.11	1.0
Atrazine	10	U	1.0	10
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
3,3'-Dichlorobenzidine	20	U	3.2	20
2,2'-oxybis[1-chloropropane]	10	U	1.3	10
1,2,4,5-Tetrachlorobenzene	10	U	1.8	10
2,3,4,6-Tetrachlorophenol	10	U	0.89	10

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	74	60 - 114
Phenol-d5	27	4 - 86
Terphenyl-d14	81	72 - 130
2,4,6-Tribromophenol	63	51 - 126
2-Fluorophenol	55	15 - 96
2-Fluorobiphenyl	71	50 - 120

Method Blank TICs- Batch: 460-176507

Cas Number	Analyte	RT	Est. Result	Qual
556-67-2	Cyclotetrasiloxane, octamethyl-	3.89	8.59	J N

Client: AKRF Inc

Job Number: 460-61340-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-176507

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-176507/2-A	Analysis Batch:	460-177525	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-176507	Lab File ID:	M68578.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/22/2013 1158	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/16/2013 1033			Injection Volume:	5 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-176507/3-A	Analysis Batch:	460-177525	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-176507	Lab File ID:	M68579.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/22/2013 1221	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/16/2013 1033			Injection Volume:	5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phenol	43	43	12 - 44	0	30		
2-Chlorophenol	80	81	53 - 101	1	30		
2-Methylphenol	78	77	40 - 90	1	30		
4-Methylphenol	64	63	30 - 75	2	30		
2-Nitrophenol	85	87	65 - 107	3	30		
2,4-Dimethylphenol	86	88	55 - 100	2	30		
2,4-Dichlorophenol	82	86	64 - 107	4	30		
Bis(2-chloroethyl)ether	80	80	62 - 108	1	30		
N-Nitrosodi-n-propylamine	92	88	70 - 109	4	30		
Hexachloroethane	77	77	50 - 99	1	30		
Nitrobenzene	74	76	66 - 106	2	30		
Isophorone	78	78	68 - 108	0	30		
Bis(2-chloroethoxy)methane	83	84	69 - 108	1	30		
4-Chloro-3-methylphenol	76	65	57 - 106	16	30		
Naphthalene	81	82	63 - 101	1	30		
4-Chloroaniline	51	47	58 - 105	8	30	*	*
Hexachlorobutadiene	78	83	52 - 99	6	30		
2-Methylnaphthalene	83	84	66 - 102	2	30		
2,4,6-Trichlorophenol	73	70	67 - 111	5	30		
Hexachlorocyclopentadiene	83	88	40 - 105	6	30		
2,4,5-Trichlorophenol	66	62	67 - 114	6	30	*	*
2-Chloronaphthalene	78	80	65 - 107	3	30		
2-Nitroaniline	85	86	73 - 116	1	30		
2,6-Dinitrotoluene	88	85	68 - 114	4	30		
Dimethyl phthalate	82	82	69 - 111	1	30		
Acenaphthylene	81	83	67 - 107	2	30		
3-Nitroaniline	73	71	59 - 108	3	30		
Acenaphthene	81	83	66 - 108	2	30		
4-Nitrophenol	35	21	10 - 44	47	30	J	J *
2,4-Dinitrophenol	93	90	19 - 113	3	30		
Dibenzofuran	78	81	68 - 105	3	30		
Diethyl phthalate	85	82	66 - 109	4	30		
Fluorene	81	81	68 - 105	0	30		
Hexachlorobenzene	78	82	65 - 107	5	30		
2,4-Dinitrotoluene	85	79	65 - 113	8	30		

Client: AKRF Inc

Job Number: 460-61340-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-176507

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-176507/2-A	Analysis Batch:	460-177525	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-176507	Lab File ID:	M68578.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/22/2013 1158	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/16/2013 1033			Injection Volume:	5 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-176507/3-A	Analysis Batch:	460-177525	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-176507	Lab File ID:	M68579.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/22/2013 1221	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/16/2013 1033			Injection Volume:	5 uL
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4-Chlorophenyl phenyl ether	81	80	68 - 105	1	30		
4-Nitroaniline	82	75	49 - 119	8	30		
4,6-Dinitro-2-methylphenol	95	90	58 - 115	4	30		
Di-n-butyl phthalate	83	81	68 - 111	3	30		
4-Bromophenyl phenyl ether	79	84	66 - 110	6	30		
Fluoranthene	79	81	68 - 108	2	30		
Anthracene	84	84	68 - 108	0	30		
Carbazole	82	81	67 - 110	0	30		
Phenanthrene	80	84	68 - 110	6	30		
Pentachlorophenol	60	55	55 - 116	9	30		
Pyrene	78	81	61 - 110	4	30		
Chrysene	76	81	68 - 112	6	30		
Benzo[k]fluoranthene	79	86	66 - 114	8	30		
Benzo[b]fluoranthene	73	80	65 - 111	9	30		
Benzo[a]pyrene	80	85	58 - 101	6	30		
Benzo[a]anthracene	73	79	65 - 106	8	30		
Benzo[g,h,i]perylene	78	81	65 - 134	3	30		
N-Nitrosodiphenylamine	83	92	71 - 121	10	30		
Butyl benzyl phthalate	80	82	66 - 115	2	30		
Diphenyl	79	82	66 - 112	4	30		
Acetophenone	80	81	68 - 109	1	30		
Bis(2-ethylhexyl) phthalate	79	84	66 - 114	6	30		
Benzaldehyde	96	94	52 - 150	2	30		
Di-n-octyl phthalate	83	81	51 - 115	3	30		
Caprolactam	46	39	10 - 30	18	30	*	*
Indeno[1,2,3-cd]pyrene	72	78	68 - 121	8	30		
Atrazine	19	20	56 - 116	4	30	*	*
Dibenz(a,h)anthracene	78	82	67 - 124	5	30		
3,3'-Dichlorobenzidine	56	55	69 - 129	2	30	*	*
2,2'-oxybis[1-chloropropane]	85	85	68 - 107	1	30		
1,2,4,5-Tetrachlorobenzene	73	79	70 - 130	7	30		
2,3,4,6-Tetrachlorophenol	72	69	70 - 130	5	30		*

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5	79	82	60 - 114
Phenol-d5	41	42	4 - 86

Client: AKRF Inc

Job Number: 460-61340-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Terphenyl-d14	78	81	72 - 130
2,4,6-Tribromophenol	78	70	51 - 126
2-Fluorophenol	52	58	15 - 96
2-Fluorobiphenyl	76	81	50 - 120

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176446

Method: 8081A
Preparation: 3546

Lab Sample ID:	MB 460-176446/1-A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-176446	Lab File ID:	WR715898.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/16/2013 0926	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/16/2013 0412			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	6.7	U	1.4	6.7
alpha-BHC	6.7	U	1.5	6.7
beta-BHC	6.7	U	1.6	6.7
delta-BHC	6.7	U	1.2	6.7
gamma-BHC (Lindane)	6.7	U	1.2	6.7
Chlordane	67	U	19	67
4,4'-DDD	6.7	U	1.3	6.7
4,4'-DDE	6.7	U	1.3	6.7
4,4'-DDT	6.7	U	1.6	6.7
Dieldrin	6.7	U	1.2	6.7
Endosulfan I	6.7	U	1.5	6.7
Endosulfan II	6.7	U	1.3	6.7
Endosulfan sulfate	6.7	U	1.3	6.7
Endrin	6.7	U	1.6	6.7
Endrin aldehyde	6.7	U	1.0	6.7
Endrin ketone	6.7	U	1.3	6.7
Heptachlor	6.7	U	1.6	6.7
Heptachlor epoxide	6.7	U	1.5	6.7
Methoxychlor	6.7	U	1.6	6.7
Toxaphene	67	U	18	67

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	98	37 - 150
DCB Decachlorobiphenyl	118	60 - 150

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	92	37 - 150
DCB Decachlorobiphenyl	97	60 - 150

Lab Control Sample - Batch: 460-176446

Method: 8081A
Preparation: 3546

Lab Sample ID:	LCS 460-176446/2-A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-176446	Lab File ID:	WR715899.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/16/2013 0941	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/16/2013 0412			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	133	129	97	69 - 138	
alpha-BHC	133	125	94	68 - 133	
beta-BHC	133	125	94	67 - 137	
delta-BHC	133	125	93	65 - 141	
gamma-BHC (Lindane)	133	125	94	68 - 134	
4,4'-DDD	133	137	103	69 - 150	
4,4'-DDE	133	136	102	70 - 147	
4,4'-DDT	133	135	101	63 - 146	
Dieldrin	133	123	92	63 - 129	
Endosulfan I	133	133	99	69 - 140	
Endosulfan II	133	131	98	66 - 136	
Endosulfan sulfate	133	127	96	65 - 137	
Endrin	133	129	97	67 - 142	
Endrin aldehyde	133	130	97	67 - 134	
Endrin ketone	133	125	94	68 - 146	
Heptachlor	133	126	95	67 - 136	
Heptachlor epoxide	133	131	98	68 - 136	
Methoxychlor	133	124	93	52 - 150	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	115	37 - 150
DCB Decachlorobiphenyl	138	60 - 150

Lab Control Sample - Batch: 460-176446

Method: 8081A
Preparation: 3546

Lab Sample ID:	LCS 460-176446/2-A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-176446	Lab File ID:	WR715899.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/16/2013 0941	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/16/2013 0412			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	133	124	93	69 - 138	
alpha-BHC	133	125	94	68 - 133	
beta-BHC	133	119	89	67 - 137	
delta-BHC	133	122	92	65 - 141	
gamma-BHC (Lindane)	133	123	92	68 - 134	
4,4'-DDD	133	126	94	69 - 150	

Client: AKRF Inc

Job Number: 460-61340-1

Lab Control Sample - Batch: 460-176446

Method: 8081A
Preparation: 3546

Lab Sample ID:	LCS 460-176446/2-A	Analysis Batch:	460-176464	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-176446	Lab File ID:	WR715899.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/16/2013 0941	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/16/2013 0412			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDE	133	125	93	70 - 147	
4,4'-DDT	133	126	94	63 - 146	
Dieldrin	133	115	86	63 - 129	
Endosulfan I	133	128	96	69 - 140	
Endosulfan II	133	122	92	66 - 136	
Endosulfan sulfate	133	123	92	65 - 137	
Endrin	133	121	91	67 - 142	
Endrin aldehyde	133	121	91	67 - 134	
Endrin ketone	133	121	90	68 - 146	
Heptachlor	133	119	89	67 - 136	
Heptachlor epoxide	133	123	92	68 - 136	
Methoxychlor	133	118	88	52 - 150	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	113	37 - 150
DCB Decachlorobiphenyl	115	60 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176655

Method: 8081A
Preparation: 3510C

Lab Sample ID:	MB 460-176655/1-A	Analysis Batch:	460-177340	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-176655	Lab File ID:	QR096708.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/21/2013 1219	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/17/2013 0950			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	0.050	U	0.038	0.050
alpha-BHC	0.050	U	0.036	0.050
beta-BHC	0.050	U	0.037	0.050
delta-BHC	0.050	U	0.033	0.050
gamma-BHC (Lindane)	0.050	U	0.035	0.050
Chlordane	0.50	U	0.21	0.50
4,4'-DDD	0.050	U	0.036	0.050
4,4'-DDE	0.050	U	0.035	0.050
4,4'-DDT	0.050	U	0.036	0.050
Dieldrin	0.050	U	0.033	0.050
Endosulfan I	0.050	U	0.034	0.050
Endosulfan II	0.050	U	0.035	0.050
Endosulfan sulfate	0.050	U	0.037	0.050
Endrin	0.050	U	0.034	0.050
Endrin aldehyde	0.050	U	0.035	0.050
Endrin ketone	0.050	U	0.037	0.050
Heptachlor	0.050	U	0.037	0.050
Heptachlor epoxide	0.050	U	0.035	0.050
Methoxychlor	0.050	U	0.045	0.050
Toxaphene	0.50	U	0.34	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	89	49 - 132
DCB Decachlorobiphenyl	111	37 - 144

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	91	49 - 132
DCB Decachlorobiphenyl	105	37 - 144

Client: AKRF Inc

Job Number: 460-61340-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-176655

Method: 8081A
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-176655/2-A	Analysis Batch:	460-177340	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-176655	Lab File ID:	QR096709.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/21/2013 1234	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/17/2013 0950			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 460-176655/3-A	Analysis Batch:	460-177340	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-176655	Lab File ID:	QR096710.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/21/2013 1251	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/17/2013 0950			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aldrin	99	98	61 - 122	1	30		
alpha-BHC	112	99	63 - 122	12	30		
beta-BHC	106	94	64 - 119	12	30		
delta-BHC	94	83	62 - 124	13	30		
gamma-BHC (Lindane)	112	99	59 - 121	12	30		
4,4'-DDD	125	110	68 - 136	13	30		
4,4'-DDE	110	100	66 - 132	9	30		
4,4'-DDT	108	104	66 - 132	4	30		
Dieldrin	105	92	62 - 112	13	30		
Endosulfan I	105	93	64 - 123	12	30		
Endosulfan II	110	97	63 - 116	13	30		
Endosulfan sulfate	109	94	56 - 121	15	30		
Endrin	112	98	42 - 138	13	30		
Endrin aldehyde	106	93	56 - 119	13	30		
Endrin ketone	103	93	62 - 125	10	30		
Heptachlor	100	97	61 - 118	3	30		
Heptachlor epoxide	110	98	64 - 120	12	30		
Methoxychlor	113	98	56 - 125	15	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	100	102	49 - 132
DCB Decachlorobiphenyl	112	98	37 - 144

Client: AKRF Inc

Job Number: 460-61340-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-176655

Method: 8081A
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-176655/2-A	Analysis Batch:	460-177340	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-176655	Lab File ID:	QR096709.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/21/2013 1234	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/17/2013 0950			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

LCSD Lab Sample ID:	LCSD 460-176655/3-A	Analysis Batch:	460-177340	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-176655	Lab File ID:	QR096710.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/21/2013 1251	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/17/2013 0950			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aldrin	98	97	61 - 122	1	30		
alpha-BHC	103	92	63 - 122	11	30		
beta-BHC	103	92	64 - 119	11	30		
delta-BHC	93	83	62 - 124	12	30		
gamma-BHC (Lindane)	104	94	59 - 121	11	30		
4,4'-DDD	108	102	68 - 136	6	30		
4,4'-DDE	106	100	66 - 132	6	30		
4,4'-DDT	105	91	66 - 132	15	30		
Dieldrin	101	92	62 - 112	9	30		
Endosulfan I	95	89	64 - 123	7	30		
Endosulfan II	103	96	63 - 116	7	30		
Endosulfan sulfate	96	93	56 - 121	3	30		
Endrin	104	96	42 - 138	8	30		
Endrin aldehyde	94	90	56 - 119	5	30		
Endrin ketone	99	92	62 - 125	8	30		
Heptachlor	97	93	61 - 118	3	30		
Heptachlor epoxide	105	95	64 - 120	10	30		
Methoxychlor	86	92	56 - 125	6	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	98	101	49 - 132
DCB Decachlorobiphenyl	107	93	37 - 144

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176445

Method: 8082
Preparation: 3546

Lab Sample ID:	MB 460-176445/1-A	Analysis Batch:	460-176479	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-176445	Lab File ID:	VR488467.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/16/2013 0855	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/16/2013 0409			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	67	U	15	67
Aroclor 1221	67	U	15	67
Aroclor 1232	67	U	15	67
Aroclor 1242	67	U	15	67
Aroclor 1248	67	U	15	67
Aroclor 1254	67	U	19	67
Aroclor 1260	67	U	19	67
Aroclor 1262	67	U	19	67
Aroclor 1268	67	U	19	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	113	45 - 138

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	99	45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Lab Control Sample - Batch: 460-176445

Method: 8082
Preparation: 3546

Lab Sample ID:	LCS 460-176445/2-A	Analysis Batch:	460-176479	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-176445	Lab File ID:	VR488468.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/16/2013 0911	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/16/2013 0409			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	355	107	75 - 150	
Aroclor 1260	333	365	110	72 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	106	45 - 138

Lab Control Sample - Batch: 460-176445

Method: 8082
Preparation: 3546

Lab Sample ID:	LCS 460-176445/2-A	Analysis Batch:	460-176479	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-176445	Lab File ID:	VR488468.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/16/2013 0911	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/16/2013 0409			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	318	95	75 - 150	
Aroclor 1260	333	331	99	72 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	101	45 - 138

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176654

Method: 8082
Preparation: 3510C

Lab Sample ID:	MB 460-176654/1-A	Analysis Batch:	460-176885	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-176654	Lab File ID:	QR096629.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/19/2013 1608	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/17/2013 0946			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.40	U	0.27	0.40
Aroclor 1221	0.40	U	0.27	0.40
Aroclor 1232	0.40	U	0.27	0.40
Aroclor 1242	0.40	U	0.27	0.40
Aroclor 1248	0.40	U	0.27	0.40
Aroclor 1254	0.40	U	0.21	0.40
Aroclor 1260	0.40	U	0.21	0.40
Aroclor 1262	0.40	U	0.21	0.40
Aroclor 1268	0.40	U	0.21	0.40
Polychlorinated biphenyls, Total	0.40	U	0.27	0.40

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	149	37 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	146	37 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-176654

Method: 8082
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-176654/2-A	Analysis Batch:	460-176885	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-176654	Lab File ID:	QR096628.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/19/2013 1550	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/17/2013 0946			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 460-176654/3-A	Analysis Batch:	460-177146	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-176654	Lab File ID:	QR096664.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/20/2013 1348	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/17/2013 0946			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aroclor 1016	116	84	71 - 126	31	30		*
Aroclor 1260	115	84	73 - 130	30	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	105	74	37 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-176654

Method: 8082
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-176654/2-A	Analysis Batch:	460-176885	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-176654	Lab File ID:	QR096628.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/19/2013 1550	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/17/2013 0946			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

LCSD Lab Sample ID:	LCSD 460-176654/3-A	Analysis Batch:	460-177146	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-176654	Lab File ID:	QR096664.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/20/2013 1348	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/17/2013 0946			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aroclor 1016	114	84	71 - 126	30	30		
Aroclor 1260	115	80	73 - 130	35	30		*

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	73	37 - 150

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176558

Method: NJDEP EPH
Preparation: 3546

Lab Sample ID:	MB 460-176558/1-A	Analysis Batch:	460-176787	Instrument ID:	CBNAGC1
Client Matrix:	Solid	Prep Batch:	460-176558	Lab File ID:	GCF66387.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/19/2013 1157	Units:	mg/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/16/2013 1346			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	RL	RL
Total EPH (C9-C40)	2.0	U	2.0	2.0

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	97	40 - 140
1-Chlorooctadecane	102	40 - 140

Lab Control Sample - Batch: 460-176558

Method: NJDEP EPH
Preparation: 3546

Lab Sample ID:	LCS 460-176558/2-A	Analysis Batch:	460-176787	Instrument ID:	CBNAGC1
Client Matrix:	Solid	Prep Batch:	460-176558	Lab File ID:	GCF66388.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/19/2013 1212	Units:	mg/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/16/2013 1346			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total EPH (C9-C40)	133	128	96	40 - 140	

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176886

Method: NJDEP EPH
Preparation: 3546

Lab Sample ID:	MB 460-176886/1-A	Analysis Batch:	460-176977	Instrument ID:	CBNAGC1
Client Matrix:	Solid	Prep Batch:	460-176886	Lab File ID:	GCF66425.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 0439	Units:	mg/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/19/2013 1335			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	RL	RL
Total EPH (C9-C40)	2.0	U	2.0	2.0

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	99	40 - 140
1-Chlorooctadecane	100	40 - 140

Lab Control Sample - Batch: 460-176886

Method: NJDEP EPH
Preparation: 3546

Lab Sample ID:	LCS 460-176886/2-A	Analysis Batch:	460-176977	Instrument ID:	CBNAGC1
Client Matrix:	Solid	Prep Batch:	460-176886	Lab File ID:	GCF66426.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 0453	Units:	mg/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/19/2013 1335			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total EPH (C9-C40)	133	150	112	40 - 140	

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 490-101208

Method: 6010B
Preparation: 3051A

Lab Sample ID:	MB 490-101208/1-A	Analysis Batch:	490-101629	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	490-101208	Lab File ID:	TALS_082113-5RUSH.
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.523 g
Analysis Date:	08/21/2013 0959	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/20/2013 0924				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Sulfur	47.8	U	5.3	47.8

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 490-101208

Method: 6010B
Preparation: 3051A

LCS Lab Sample ID:	LCS 490-101208/2-A	Analysis Batch:	490-101629	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	490-101208	Lab File ID:	TALS_082113-5RUSH.
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.504 g
Analysis Date:	08/21/2013 1003	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/20/2013 0924				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 490-101208/3-A	Analysis Batch:	490-101629	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	490-101208	Lab File ID:	TALS_082113-5RUSH.
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.503 g
Analysis Date:	08/21/2013 1006	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/20/2013 0924				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Sulfur	99	100	80 - 120	2	20		

Client: AKRF Inc

Job Number: 460-61340-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 490-101208

Method: 6010B
Preparation: 3051A

MS Lab Sample ID:	460-61340-1	Analysis Batch:	490-101629	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	490-101208	Lab File ID:	TALS_082113-5RUSH.
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.512 g
Analysis Date:	08/21/2013 1013			Final Weight/Volume:	100 mL
Prep Date:	08/20/2013 0924				
Leach Date:	N/A				

MSD Lab Sample ID:	460-61340-1	Analysis Batch:	490-101629	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	490-101208	Lab File ID:	TALS_082113-5RUSH.
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.497 g
Analysis Date:	08/21/2013 1028			Final Weight/Volume:	100 mL
Prep Date:	08/20/2013 0924				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfur	182	142	75 - 125	11	20	N	N

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176532

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 460-176532/1-A	Analysis Batch:	460-176544	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-176532	Lab File ID:	08162013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/16/2013 1625	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/16/2013 1134				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	5.0	U	3.7	5.0
Barium	200	U	5.9	200
Cadmium	5.0	U	0.82	5.0
Chromium	10.0	U	4.5	10.0
Lead	5.0	U	4.0	5.0
Selenium	10.0	U	5.8	10.0
Silver	10.0	U	1.3	10.0

Lab Control Sample - Batch: 460-176532

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 460-176532/2-A	Analysis Batch:	460-176544	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-176532	Lab File ID:	08162013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/16/2013 1629	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/16/2013 1134				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2000	1827	91	80 - 120	
Barium	2000	2000	100	80 - 120	
Cadmium	50.0	48.94	98	80 - 120	
Chromium	200	199.9	100	80 - 120	
Lead	500	506.1	101	80 - 120	
Selenium	2000	1830	92	80 - 120	
Silver	50.0	44.92	90	80 - 120	

Method Blank - Batch: 460-176602 **Method: 6010B**
Preparation: 3050B

Lab Sample ID:	MB 460-176602/1-A ^2	Analysis Batch:	460-176718	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176602	Lab File ID:	08182013.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/17/2013 1350	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	20.0	U	9.1	20.0
Antimony	1.0	U	0.62	1.0
Arsenic	0.50	U	0.47	0.50
Barium	20.0	U	0.57	20.0
Beryllium	0.20	U	0.072	0.20
Cadmium	0.50	U	0.074	0.50
Calcium	500	U	35.4	500
Chromium	1.0	U	0.43	1.0
Cobalt	5.0	U	0.43	5.0
Copper	2.5	U	0.97	2.5
Iron	15.0	U	6.1	15.0
Lead	0.50	U	0.43	0.50
Magnesium	500	U	36.0	500
Manganese	1.5	U	0.44	1.5
Nickel	4.0	U	0.44	4.0
Potassium	500	U	53.5	500
Selenium	1.0	U	0.66	1.0
Sodium	500	U	79.0	500
Thallium	1.0	U	0.57	1.0
Vanadium	5.0	U	0.38	5.0
Zinc	3.0	U	0.54	3.0

Method Blank - Batch: 460-176602 **Method: 6010B**
Preparation: 3050B

Lab Sample ID:	MB 460-176602/1-A	Analysis Batch:	460-176738	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176602	Lab File ID:	08182013z.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/18/2013 1513	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Silver	1.0	U	0.10	1.0

Client: AKRF Inc

Job Number: 460-61340-1

LCS-Certified Reference Material - Batch: 460-176602

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	460-176718	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176602	Lab File ID:	08182013.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/17/2013 1353	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	9310	7144	76.7	43.3 - 156.8	
Antimony	120	61.88	51.6	20.8 - 252.5	
Arsenic	168	138.8	82.6	70.8 - 129.8	
Barium	213	190.5	89.4	73.2 - 126.8	
Beryllium	110	94.24	85.7	75.1 - 125.5	
Cadmium	103	87.42	84.9	73.0 - 126.2	
Calcium	6870	5598	81.5	74.4 - 125.8	
Chromium	119	97.20	81.7	69.7 - 129.4	
Cobalt	131	116.6	89.0	74.4 - 125.2	
Copper	118	102.4	86.8	74.6 - 124.6	
Iron	13000	11280	86.8	32.2 - 167.7	
Lead	76.9	67.34	87.6	68.7 - 131.3	
Magnesium	2780	2162	77.8	65.1 - 135.3	
Manganese	338	295.8	87.5	75.4 - 125.1	
Nickel	70.0	62.92	89.9	70.9 - 129.0	
Potassium	3130	2440	78.0	62.9 - 136.7	
Selenium	126	102.6	81.4	66.7 - 134.1	
Silver	42.3	34.10	80.6	66.2 - 134.0	
Sodium	350	277.0	79.1	42.9 - 156.9	J
Thallium	208	186.8	89.8	69.2 - 130.8	
Vanadium	87.1	70.90	81.4	63.1 - 136.6	
Zinc	276	236.8	85.8	71.4 - 128.6	

Client: AKRF Inc

Job Number: 460-61340-1

Matrix Spike - Batch: 460-176602

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-61340-1	Analysis Batch:	460-176718	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176602	Lab File ID:	08182013.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	08/17/2013 1415	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	9110		221	8834	-125	75 - 125	4
Antimony	2.2	U	55.4	31.67	57	75 - 125	N
Arsenic	6.5		221	211.8	93	75 - 125	
Barium	891		221	1061	77	75 - 125	4
Beryllium	0.35	J	5.54	5.83	99	75 - 125	
Cadmium	0.47	J	5.54	5.77	96	75 - 125	
Calcium	53800		2210	49650	-186	75 - 125	4
Chromium	14.5		22.1	33.57	86	75 - 125	
Cobalt	5.0	J	55.4	57.89	96	75 - 125	
Copper	36.5		27.7	58.78	81	75 - 125	
Iron	15600		111	15560	-42	75 - 125	4
Lead	1110		55.4	446.9	-1199	75 - 125	4
Magnesium	4470		2210	5931	66	75 - 125	N
Manganese	328		55.4	425.0	174	75 - 125	4
Nickel	13.1		55.4	66.57	97	75 - 125	
Potassium	1360		2210	3477	96	75 - 125	
Selenium	2.2	U	221	199.2	90	75 - 125	
Silver	0.58	J	5.54	5.57	90	75 - 125	
Sodium	929	J	2210	3105	98	75 - 125	
Thallium	2.2	U	221	210.9	95	75 - 125	
Vanadium	40.7		55.4	84.15	79	75 - 125	
Zinc	546		55.4	506.0	-73	75 - 125	4

Client: AKRF Inc

Job Number: 460-61340-1

Duplicate - Batch: 460-176602

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-61340-1	Analysis Batch:	460-176718	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176602	Lab File ID:	08182013.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	08/17/2013 1357	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 1500				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	9110		9081	0.3	20	
Antimony	2.2	U	2.2	NC	20	U
Arsenic	6.5		6.55	0.7	20	
Barium	891		891.6	0.02	20	
Beryllium	0.35	J	0.335	3	20	J
Cadmium	0.47	J	0.491	4	20	J
Calcium	53800		53380	0.7	20	
Chromium	14.5		14.47	0.09	20	
Cobalt	5.0	J	5.03	0.6	20	J
Copper	36.5		36.65	0.5	20	
Iron	15600		15550	0.4	20	
Lead	1110		1110	0.06	20	
Magnesium	4470		4441	0.6	20	
Manganese	328		327.6	0.3	20	
Nickel	13.1		13.17	0.7	20	
Potassium	1360		1358	0.1	20	
Selenium	2.2	U	2.2	NC	20	U
Silver	0.58	J	0.468	21	20	J
Sodium	929	J	925.7	0.3	20	J
Thallium	2.2	U	2.2	NC	20	U
Vanadium	40.7		40.58	0.2	20	
Zinc	546		543.2	0.6	20	

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176749

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 460-176749/1-A	Analysis Batch:	460-177387	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-176749	Lab File ID:	08212013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/21/2013 1239	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/18/2013 1622				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	5.0	U	3.7	5.0
Barium	200	U	5.9	200
Cadmium	5.0	U	0.82	5.0
Chromium	10.0	U	4.5	10.0
Lead	5.0	U	4.0	5.0
Selenium	10.0	U	5.8	10.0
Silver	10.0	U	1.3	10.0

Lab Control Sample - Batch: 460-176749

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 460-176749/2-A	Analysis Batch:	460-177387	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-176749	Lab File ID:	08212013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/21/2013 1228	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/18/2013 1622				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2000	1926	96	80 - 120	
Barium	2000	2090	105	80 - 120	
Cadmium	50.0	50.87	102	80 - 120	
Chromium	200	200.5	100	80 - 120	
Lead	500	522.9	105	80 - 120	
Selenium	2000	1941	97	80 - 120	
Silver	50.0	48.60	97	80 - 120	

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176833

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 460-176833/1-A	Analysis Batch:	460-176850	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-176833	Lab File ID:	08192013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	08/19/2013 2120	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1021				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	5.0	U	3.7	5.0
Barium	200	U	5.9	200
Cadmium	5.0	U	0.82	5.0
Chromium	10.0	U	4.5	10.0
Lead	5.0	U	4.0	5.0
Selenium	10.0	U	5.8	10.0
Silver	10.0	U	1.3	10.0

TCLP SPLPE Leachate Blank - Batch: 460-176833

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	LB 460-176731/1-B ^5	Analysis Batch:	460-176850	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176833	Lab File ID:	08192013.asc
Dilution:	5.0	Leach Batch:	460-176731	Initial Weight/Volume:	50 mL
Analysis Date:	08/19/2013 2124	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1021				
Leach Date:	08/18/2013 1400				

Analyte	Result	Qual	MDL	RL
Arsenic	25.0	U	18.6	25.0
Barium	1000	U	29.7	1000
Cadmium	25.0	U	4.1	25.0
Chromium	50.0	U	22.3	50.0
Lead	25.0	U	20.1	25.0
Selenium	50.0	U	28.8	50.0
Silver	50.0	U	6.7	50.0

Lab Control Sample - Batch: 460-176833

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 460-176833/2-A	Analysis Batch:	460-176850	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-176833	Lab File ID:	08192013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	08/19/2013 2109	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1021				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	5000	5071	101	80 - 120	
Barium	10000	10440	104	80 - 120	
Cadmium	1000	1031	103	80 - 120	
Chromium	5000	5161	103	80 - 120	
Lead	5000	5420	108	80 - 120	
Selenium	1000	997.9	100	80 - 120	
Silver	500	484.5	97	80 - 120	

Matrix Spike - Batch: 460-176833

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	460-61340-7	Analysis Batch:	460-176850	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176833	Lab File ID:	08192013.asc
Dilution:	5.0	Leach Batch:	460-176731	Initial Weight/Volume:	50 mL
Analysis Date:	08/19/2013 2102	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1021				
Leach Date:	08/18/2013 1400				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	25.0	U	5000	5195	104	75 - 125	
Barium	547	J	10000	11030	105	75 - 125	
Cadmium	25.0	U	1000	1044	104	75 - 125	
Chromium	50.0	U	5000	5210	104	75 - 125	
Lead	24.2	J	5000	5330	106	75 - 125	
Selenium	50.0	U	1000	1050	105	75 - 125	
Silver	50.0	U	500	497.4	99	75 - 125	

Client: AKRF Inc

Job Number: 460-61340-1

Duplicate - Batch: 460-176833

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	460-61340-7	Analysis Batch:	460-176850	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176833	Lab File ID:	08192013.asc
Dilution:	5.0	Leach Batch:	460-176731	Initial Weight/Volume:	50 mL
Analysis Date:	08/19/2013 2051	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1021				
Leach Date:	08/18/2013 1400				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	25.0	U	25.0	NC	20	U
Barium	547	J	557.0	2	20	J
Cadmium	25.0	U	25.0	NC	20	U
Chromium	50.0	U	50.0	NC	20	U
Lead	24.2	J	22.88	6	20	J
Selenium	50.0	U	50.0	NC	20	U
Silver	50.0	U	50.0	NC	20	U

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176456

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 460-176456/11-A	Analysis Batch:	460-176519	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-176456	Lab File ID:	176456HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/16/2013 0853	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/16/2013 0550				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

Lab Control Sample - Batch: 460-176456

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 460-176456/12-A	Analysis Batch:	460-176519	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-176456	Lab File ID:	176456HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/16/2013 0855	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/16/2013 0550				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	0.961	96	80 - 120	

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176458

Method: 7470A
Preparation: 7470A
Dissolved

Lab Sample ID:	MB 460-176455/1-B	Analysis Batch:	460-176519	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-176458	Lab File ID:	176456HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/16/2013 1035	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/16/2013 0550				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

Lab Control Sample - Batch: 460-176458

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 460-176458/11-A	Analysis Batch:	460-176519	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-176458	Lab File ID:	176456HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/16/2013 1037	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/16/2013 0550				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	0.896	90	80 - 120	

Method Blank - Batch: 460-176851

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 460-176851/1-A	Analysis Batch:	460-176890	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-176851	Lab File ID:	176851hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/19/2013 1254	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/19/2013 1105				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

TCLP SPLPE Leachate Blank - Batch: 460-176851

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	LB 460-176731/1-C	Analysis Batch:	460-176890	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-176851	Lab File ID:	176851hg1.PRN
Dilution:	1.0	Leach Batch:	460-176731	Initial Weight/Volume:	30 mL
Analysis Date:	08/19/2013 1339	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/19/2013 1108				
Leach Date:	08/18/2013 1400				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

Lab Control Sample - Batch: 460-176851

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 460-176851/2-A	Analysis Batch:	460-176890	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-176851	Lab File ID:	176851hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/19/2013 1256	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/19/2013 1105				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	5.06	101	80 - 120	

Client: AKRF Inc

Job Number: 460-61340-1

Matrix Spike - Batch: 460-176851

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	460-61340-7	Analysis Batch:	460-176890	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-176851	Lab File ID:	176851hg1.PRN
Dilution:	1.0	Leach Batch:	460-176731	Initial Weight/Volume:	30 mL
Analysis Date:	08/19/2013 1302	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/19/2013 1105				
Leach Date:	08/18/2013 1400				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.20	U	5.00	5.35	107	75 - 125	

Duplicate - Batch: 460-176851

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	460-61340-7	Analysis Batch:	460-176890	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-176851	Lab File ID:	176851hg1.PRN
Dilution:	1.0	Leach Batch:	460-176731	Initial Weight/Volume:	30 mL
Analysis Date:	08/19/2013 1300	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/19/2013 1105				
Leach Date:	08/18/2013 1400				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.20	U	0.20	NC	20	U

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176492

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 460-176492/1-A	Analysis Batch:	460-176585	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-176492	Lab File ID:	176492.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/16/2013 1410	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 0927				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.017	U	0.012	0.017

LCS-Certified Reference Material - Batch: 460-176492

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCSSRM	Analysis Batch:	460-176585	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-176492	Lab File ID:	176492.PRN
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/16/2013 1412	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/16/2013 0927				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	25.1	23.46	93.5	51.4 - 148.2	

Method Blank - Batch: 460-176835

Method: 7196A
Preparation: 3060A

Lab Sample ID:	MB 460-176835/1-A	Analysis Batch:	460-176842	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-176835	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	08/19/2013 1256	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/19/2013 1004				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cr (VI)	2.0	U	0.50	2.0

Lab Control Sample Insoluble - Batch: 460-176835

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSI 460-176835/3-A	Analysis Batch:	460-176842	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-176835	Lab File ID:	N/A
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	08/19/2013 1256	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/19/2013 1004				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	708	641.2	91	80 - 120	

Lab Control Sample Soluble - Batch: 460-176835

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSS 460-176835/2-A	Analysis Batch:	460-176842	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-176835	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	08/19/2013 1256	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/19/2013 1004				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	15.2	15.82	104	85 - 115	

Method Blank - Batch: 460-176947

Method: 7196A
Preparation: 3060A

Lab Sample ID:	MB 460-176947/1-A	Analysis Batch:	460-177022	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-176947	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	08/20/2013 0834	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/19/2013 1500				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cr (VI)	2.0	U	0.50	2.0

Lab Control Sample Insoluble - Batch: 460-176947

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSI 460-176947/3-A	Analysis Batch:	460-177022	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-176947	Lab File ID:	N/A
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	08/20/2013 0834	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/19/2013 1500				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	708	603.6	85	80 - 120	

Lab Control Sample Soluble - Batch: 460-176947

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSS 460-176947/2-A	Analysis Batch:	460-177022	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-176947	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	08/20/2013 0834	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/19/2013 1500				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	15.2	17.51	115	85 - 115	

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-176489

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 460-176489/1-A	Analysis Batch:	460-176512	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-176489	Lab File ID:	OM_8-16-2013_10-11-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	08/16/2013 1023	Units:	mg/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	08/16/2013 0630				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	0.10	U	0.055	0.10

Low Level Control Sample - Batch: 460-176489

Method: 9012A
Preparation: 9012A

Lab Sample ID:	LLCS 460-176489/2-A	Analysis Batch:	460-176512	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-176489	Lab File ID:	OM_8-16-2013_10-11-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	08/16/2013 1024	Units:	mg/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	08/16/2013 0630				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	1.00	0.980	98	90 - 110	

High Level Control Sample - Batch: 460-176489

Method: 9012A
Preparation: 9012A

Lab Sample ID:	HLCS 460-176489/3-A	Analysis Batch:	460-176512	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-176489	Lab File ID:	OM_8-16-2013_10-11-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	08/16/2013 1025	Units:	mg/Kg	Final Weight/Volume:	5.0 mL
Prep Date:	08/16/2013 0630				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	2.00	1.95	98	90 - 110	

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-177123

Method: 9014
Preparation: 7.3.3

Lab Sample ID:	MB 460-177123/1-A	Analysis Batch:	460-177127	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177123	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	08/20/2013 1200	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/20/2013 1100				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Cyanide, Reactive	25.0	U	25.0	25.0

Lab Control Sample - Batch: 460-177123

Method: 9014
Preparation: 7.3.3

Lab Sample ID:	LCS 460-177123/2-A	Analysis Batch:	460-177127	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177123	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	08/20/2013 1200	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/20/2013 1100				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Reactive	40.0	25.0	12	10 - 100	U

Duplicate - Batch: 460-177123

Method: 9014
Preparation: 7.3.3

Lab Sample ID:	460-61340-1	Analysis Batch:	460-177127	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177123	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	08/20/2013 1200	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/20/2013 1100				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cyanide, Reactive	25.0	U	25.0	NC	10	U

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-177122

Method: 9034
Preparation: 7.3.4

Lab Sample ID:	MB 460-177122/1-A	Analysis Batch:	460-177125	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177122	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	08/20/2013 1200	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/20/2013 1100				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Sulfide, Reactive	20.0	U	13.0	20.0

LCS-Certified Reference Material - Batch: 460-177122

Method: 9034
Preparation: 7.3.4

Lab Sample ID:	LCSSRM	Analysis Batch:	460-177125	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177122	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	08/20/2013 1200	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/20/2013 1100				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfide, Reactive	62.6	46.04	73.5	49.4 - 139.0	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-177122

Method: 9034
Preparation: 7.3.4

MS Lab Sample ID:	460-61340-1	Analysis Batch:	460-177125	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177122	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	08/20/2013 1200			Final Weight/Volume:	50 mL
Prep Date:	08/20/2013 1100				
Leach Date:	N/A				

MSD Lab Sample ID:	460-61340-1	Analysis Batch:	460-177125	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177122	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	08/20/2013 1200			Final Weight/Volume:	50 mL
Prep Date:	08/20/2013 1100				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfide, Reactive	47	48	40 - 150	3	10		

Client: AKRF Inc

Job Number: 460-61340-1

Method Blank - Batch: 460-177192

Method: 9045C
Preparation: N/A

Lab Sample ID:	MB 460-177192/2	Analysis Batch:	460-177192	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	08/20/2013 1552	Units:	SU	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	NONE	NONE
pH	5.460			
Corrosivity	5.460			

LCS-Certified Reference Material - Batch: 460-177192

Method: 9045C
Preparation: N/A

Lab Sample ID:	LCSSRM 460-177192/3	Analysis Batch:	460-177192	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	08/20/2013 1555	Units:	SU	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	7.03	7.020	99.9	98.0 - 102.0	
Corrosivity	7.03	7.020	99.9	98.0 - 102.0	

Client: AKRF Inc

Job Number: 460-61340-1

Duplicate - Batch: 460-177256

Method: 9095B
Preparation: N/A

Lab Sample ID:	460-61340-1	Analysis Batch:	460-177256	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/21/2013 0730	Units:	mL/100g	Final Weight/Volume:	100 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Free Liquid	0.50	U	0.50	NC	10	U

Client: AKRF Inc

Job Number: 460-61340-1

Duplicate - Batch: 460-176415

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-61340-13	Analysis Batch:	460-176415	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/15/2013 1843	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	3.8	5.3	32	20	*
Percent Solids	96.2	94.7	2	20	

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Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Cust[ody]

460-61340 Chain of Custody

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Amy Jordan	Lab PM: Haas, Melissa	COC No: 460-37319-23959.1
Client Contact: Asya Bychkov	Phone: 610-405-2847	E-Mail: melissa.haas@testamericainc.com	Page:
Company: AKRF Inc			Job #: 61340
Address: 440 Park Avenue South	Due Date Requested:		
City: New York	TAT Requested (days): 5 Days		
State, Zip: NY, 10016			
Phone:	PO #:		
Email: abychkov@akrf.com	WO #:		
Project Name: Jewish Home Lifecare 11743	Project #: 46012697		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	(Soils) 8260B	(Soils) 8270C, 6010B/7471A (TAL Met), 7196A, 8082, 8081A, Sulfur by 6010B	(Soils) TCLP RCRA Metals, 9012A, Reac CN, Reac S, NJEPH, 1030, 9045C	(Soils) Paint Filter (9095B)	(Soils) RCRA 8 Metals only (6010B/7471A)	(Soils) RCRA 8 Metals, 8270C, 8081A, 8082	(GW) 8260B, 8270C, 8081A, 8082, 6010B/7470A (Total & Lab-Filtered)	(Trip Blank) 8260B						Total Number of containers	Special Instructions/Note: See email for analysis
			Preservation Code:				N	N	N	N	N	N	N	N	N	D	A	N	N		
WC-1 top	8/15/13	1115	C	S	N	N	X	X	X	X											T = Top -1
WC-1 bottom		1120	C	S			X	X	X												B = Bottom -2
SB-1 top		1125	G	S							X	X									-3
SB-1 bottom		1130	G	S							X										-4
TW-1		1210		W									X								-5
WC-2 top		1323	C	S			X	X	X												-6
WC-2 bottom		1325	C	S			X	X	X												-7
SB-2 top		1319	G	S							X	X									-8
SB-2 bottom		1321	G	S							X										-9
WC-3 top		1440	C	S			X	X	X												-10
WC-3 bottom		1435	C	S			X	X	X												-11

SHORT HOLD
3-Day RUSH

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assesse… are… …han 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Arc… …or ____ Months

Deliverable Requested: I, II, III, IV, Other (specify) - **NY Category A package**

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
A Jordan	8/15/13 1500	[illegible]	[illegible]	8/15/13 [illegible]	[illegible]
[illegible]	8/15/13 16:30	[illegible]	[illegible]	8/15/13 16:30	TAEd

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

15.4/[illegible] 15.4/[illegible] = [illegible]

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Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Amy Jordan	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-37319-23959.1
Client Contact: Asya Bychkov	Phone: 610-405-2847	E-Mail: melissa.haas@testamericainc.com		Page:
Company: AKRF Inc		Analysis Requested		Job #: 61340
Address: 440 Park Avenue South	Due Date Requested:			
City: New York	TAT Requested (days): 5 Days			
State, Zip: NY, 10016				
Phone:	PO #:			
Email: abychkov@akrf.com	WO #:			
Project Name: Jewish Home Lifecare 11743	Project #: 46012697			
Site:	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	(Soils) 8260B	(Soils) 8270C, 6010B/7471A (TAL Met), 7196A, 8082, 8081A, Sulfur by 6010B	(Soils) TCLP RCRA Metals, 9012A, Reac CN, Reac S, NJEPH, 1030, 9045C	(Soils) Paint Filter (9095B)	(Soils) RCRA 8 Metals only (6010B/7471A)	(Soils) RCRA 8 Metals, 8270C, 8081A, 8082	(GW) 8260B, 8270C, 8081A, 8082, 6010B/7470A (Total & Lab-Filtered)	(Trip Blank) 8260B					Total Number of containers	Special Instructions/Note:
				Preservation Code:	X	X	N	N	N	N	N	N	N	N	N	D	A	N	N	
SB-3 Top	8/15/13	1430	g	S	N	N	~~X~~				X	X								NC 826C -12
SB-3 Bottom	8/15/13	1427	g	S	N	N	~~X~~				X									NC 826C -13

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify) - **NY Category A package**

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
A. Jordan	8/15/13 [illegible]		[signature]	[illegible]	[illegible]
[signature]	8/15/13 16:30	TA NJC	[signature]	8/15/13 16:30	TA Ed

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

15.4 / 15 [illegible] 15.4 / 15 [illegible] [illegible]

TestAmerica Edison Receipt Temperature and pH Log

Page 1 of 1

Job Number: 61340

Number of Coolers: 2 IR Gun # 5

Temp. Cooler #1 (Deg C) (Raw/Corrected): 15.7/15.5 Temp. Cooler #4 (Deg C) (Raw/Corrected): 15.9/15.6 Temp. Cooler #7 (Deg C) (Raw/Corrected): _____

Temp. Cooler #2 (Deg C) (Raw/Corrected): _____ Temp. Cooler #5 (Deg C) (Raw/Corrected): _____ Temp. Cooler #8 (Deg C) (Raw/Corrected): _____

Temp. Cooler #3 (Deg C) (Raw/Corrected): _____ Temp. Cooler #6 (Deg C) (Raw/Corrected): _____ Temp. Cooler #9 (Deg C) (Raw/Corrected): _____

Sample No.	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	*Metals (pH<2)	Pest (pH 5-9)	PHC (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other
15				<2									

If pH adjustments are required record the information below:

Sample No(s). adjusted: N/A

Preservative Name/Conc.: N/A Volume of Preservative used (ml): N/A

Lot # of Preservative: N/A Expiration Date: N/A

Project Manager and the Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 3, 10/8/12

Initials: KR Date: 3/15/13

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

460-61340 Chain of Custody

Cooler Received/Opened On 8-16-13 @ 0910

1. Tracking # 120839601604G (last 4 digits, FedEx)

Courier: UPS IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 1.4 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO..(NA)

4. Were custody seals on outside of cooler? YES..(NO)..NA

If yes, how many and where:_____

5. Were the seals intact, signed, and dated correctly? YES...NO..(NA)

6. Were custody papers inside cooler? (YES)..NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) MDM

7. Were custody seals on containers: YES (NO) and Intact YES...NO..(NA)

Were these signed and dated correctly? YES...NO..(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)..NO...NA

12. Did all container labels and tags agree with custody papers? (YES)..NO...NA

13a. Were VOA vials received? YES..(NO)..NA

b. Was there any observable headspace present in any VOA vial? YES...NO..(NA)

14. Was there a Trip Blank in this cooler? YES..(NO)..NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) AJH

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..(NA)

b. Did the bottle labels indicate that the correct preservatives were used YES...NO..(NA)

16. Was residual chlorine present? YES...NO..(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) AJH

17. Were custody papers properly filled out (ink, signed, etc)? (YES)..NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)..NO...NA

19. Were correct containers used for the analysis requested? (YES)..NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) AJH

I certify that I attached a label with the unique LIMS number to each container (intial) AJH

21. Were there Non-Conformance issues at login? YES..(NO) Was a NCM generated? YES..(NO)..#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 11/28/12

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-25590.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: melissa.haas@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc				Job #: 460-61340-1
Address: 2960 Foster Creighton Drive, ,	Due Date Requested: 8/21/2013			
City: Nashville	TAT Requested (days):			
State, Zip: TN, 37204				
Phone: 615-726-0177(Tel) 615-726-3404(Fax)	PO #:			
Email:	WO #:			
Project Name: Jewish Home Lifecare 11743	Project #: 46012697			
Site:	SSOW#:			

Analysis Requested

Loc: 460
61340

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3051A Sulfur	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
WC-1 top (460-61340-1)	8/15/13	11:15 Eastern		Solid			X	1	
WC-1 bottom (460-61340-2)	8/15/13	11:20 Eastern		Solid			X	1	
WC-2 top (460-61340-6)	8/15/13	13:23 Eastern		Solid			X	1	
WC-2 bottom (460-61340-7)	8/15/13	13:25 Eastern		Solid			X	1	
WC-3 top (460-61340-10)	8/15/13	14:40 Eastern		Solid			X	1	
WC-3 bottom (460-61340-11)	8/15/13	14:35 Eastern		Solid			X	1	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 8/15/13 1935	Company TestAmerica	Received by:	Date/Time: 8/16/13	9:10	Company TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:		Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:		Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.4

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-61340-1

Login Number: 61340

List Source: TestAmerica Edison

List Number: 1

Creator: Rivera, Kenneth

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	15.6°C, 15.6°C, IR #5 NO ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-61340-1

Login Number: 61340
List Number: 1
Creator: Huskey, Adam

List Source: TestAmerica Nashville
List Creation: 08/16/13 11:51 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-61467-1

Job Description: Jewish Home Lifecare 11743

For:
AKRF Inc
440 Park Avenue South
New York, NY 10016

Attention: Ms. Asya Bychkov

Approved for release.
Omayra Penas
Project Manager II
8/30/2013 3:31 PM

Designee for
Melissa Haas, Project Manager I
128 Long Hill Cross Road, Shelton, CT, 06484
melissa.haas@testamericainc.com
08/30/2013

cc: Amy Jordan

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

CASE NARRATIVE

Client: AKRF Inc

Project: Jewish Home Lifecare 11743

Report Number: 460-61467-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 08/16/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt were 1.6º C, 1.6º C and 1.6º C.

Except: One or more containers for the following sample(s) was received empty: WC-6 bottom (460-61467-26). Encores were received empty for WC-6 bottom. test on hold

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

IGNITABILITY

Samples 460-61467-7, 460-61467-8, 460-61467-11, 460-61467-12, 460-61467-17, 460-61467-18, 460-61467-21, 460-61467-22, 460-61467-25 and 460-61467-26 were analyzed for Ignitability in accordance with EPA SW-846 Method 1030. The samples were analyzed on 08/20/2013.

No difficulties were encountered during the Ignitability analyses.

All quality control parameters were within the acceptance limits.

TCLP METALS

Samples 460-61467-7, 460-61467-8, 460-61467-11, 460-61467-12, 460-61467-17, 460-61467-18, 460-61467-21, 460-61467-22, 460-61467-25 and 460-61467-26 were analyzed for TCLP metals in accordance with EPA SW-846 Methods 1311/ 6010B. The samples were leached on 08/19/2013, and prepared and analyzed on 08/21/2013.

As a standard practice all TCLP samples are diluted 5X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

No difficulties were encountered during the TCLP metals analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS

Samples 460-61467-1 through 460-61467-14 and 460-61467-17 through 460-61467-28 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 08/19/2013 and analyzed on 08/19/2013 and 08/20/2013.

The matrix duplicate %RPD for Calcium, Zinc, and Lead associated with batch 176800 was outside the control limits due to non homogeneity of the sample.

The matrix spike (MS) recoveries for batch 176800 were outside control limits for Magnesium, Antimony, and Zinc. The associated laboratory control sample (LCS) recovery met acceptance criteria.

The matrix spike (MS) recoveries for batch 176945 were outside control limits for Antimony and Calcium. The associated laboratory

control sample (LCS) recovery met acceptance criteria.

Refer to the QC report for details.

Samples 460-61467-1 through 460-61467-14(4X) and 460-61467-17 through 460-61467-28(4X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

As a standard practice all soil samples and related QC samples (i.e., MB, LCS, Dup, MS, SD) are diluted 2X-4X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

METALS RCP

Samples 460-61467-7, 460-61467-8, 460-61467-11, 460-61467-12, 460-61467-17, 460-61467-18, 460-61467-21, 460-61467-22, 460-61467-25 and 460-61467-26 were analyzed for Metals RCP in accordance with EPA SW-846 Method 6010 (RCP). The samples were prepared on 08/21/2013 and analyzed on 08/21/2013 and 08/22/2013.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 101667 were outside control limits for Sulfur. The associated laboratory control sample (LCS) recovery met acceptance criteria.

The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 101667 was outside control limits for Sulfur. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria.

Refer to the QC report for details.

No other difficulties were encountered during the Metals RCP analyses.

All other quality control parameters were within the acceptance limits.

DISSOLVED METALS

Sample 460-61467-15 was analyzed for Dissolved metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 08/23/2013.

No difficulties were encountered during the dissolved metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS

Sample 460-61467-15 was analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 08/19/2013.

Sample 460-61467-15(5X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM

Samples 460-61467-7, 460-61467-8, 460-61467-11, 460-61467-12, 460-61467-17, 460-61467-18, 460-61467-21, 460-61467-22, 460-61467-25 and 460-61467-26 were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 3060A/7196A. The samples were prepared on 08/20/2013 and analyzed on 08/21/2013.

No difficulties were encountered during the hexchrome Cr6 analyses.

All quality control parameters were within the acceptance limits.

TCLP MERCURY

Samples 460-61467-7, 460-61467-8, 460-61467-11, 460-61467-12, 460-61467-17, 460-61467-18, 460-61467-21, 460-61467-22, 460-61467-25 and 460-61467-26 were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 08/19/2013, and prepared and analyzed on 08/20/2013 and 08/21/2013.

No difficulties were encountered during the TCLP mercury analyses.

All quality control parameters were within the acceptance limits.

DISSOLVED MERCURY

Sample 460-61467-15 was analyzed for dissolved mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared

and analyzed on 08/20/2013.

No difficulties were encountered during the dissolved mercury analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY
Sample 460-61467-15 was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 08/19/2013.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples 460-61467-1 through 460-61467-14 and 460-61467-17 through 460-61467-28 were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 08/19/2013.

No difficulties were encountered during the Hg analyses.

All quality control parameters were within the acceptance limits.

ORGANOCHLORINE PESTICIDES
Samples 460-61467-2, 460-61467-4, 460-61467-6 through 460-61467-8, 460-61467-11, 460-61467-12, 460-61467-17, 460-61467-18, 460-61467-21, 460-61467-22, 460-61467-25 and 460-61467-26 were analyzed for organochlorine pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared on 08/19/2013, 08/20/2013 and 08/22/2013 and analyzed on 08/19/2013, 08/20/2013, 08/21/2013 and 08/22/2013.

Surrogate DCB recovery was outside the control limits on the primary column but within limits on the secondary. Results were reported from the secondary column.TS-6 (460-61467-6)

Surrogate recovery for the following sample(s) was outside the upper control limit: TS-4 (460-61467-4). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Surrogate recovery for the following sample(s) was outside the upper control limit: WC-4 top (460-61467-7), WC-6 bottom (460-61467-26). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Surrogate DCB recovery for the following samples were outside the upper control limit on the primary column: WC-8 top (460-61467-21). These samples did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

The continuing calibration verification (CCV) for analytical batch 177324 recovered outside control limits for DCB on the primary column.The data have been qualified and reported.

The closing calibration verification (CCV) for analytical batch 177324 recovered outside control limits for DCB on the primary column. The data have been qualified and reported.

The closing calibration verification (CCV) for analytical batch 177343 recovered outside control limits for 4.4'-DDD on the secondary column. The data have been qualified and reported.

The continuing calibration verification (CCV) for analytical batch 177343 recovered outside control limits for Endrin aldehyde on the primary column. The data have been qualified and reported.

The matrix spike duplicate (MSD) recoveries for batch 177565 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

The surrogate DCB recovery for the LCS associated with batch 177476 was outside recovery limit on the primary column. All associated sample surrogates fell within acceptance criteria; therefore, the data have been reported. (LCS 460-177476/2-A)

DCB surrogate recoveries for the blank associated with batch 176986 was outside the upper control limit on the both columns. The TCMX surrogate recoveries fell within acceptance criteria. Re-extraction or re-analysis was not performed and the data have been reported.

The surrogate DCB recovery for the LCS associated with batch 176986 was outside recovery limits on the primary column but within control limit on the secondary column. Data have been reported. (LCS 460-176986/2-A)

The surrogate DCB recovery for the matrix spike (MS) and matrix spike duplicate (MSD) associated with batch 176986 was outside recovery limits. Surrogate TCMX recovery was within control limits. Data have been reported.

Surrogate recovery for the following sample(s) was outside the upper control limit: LH-FB01-SS (460-61482-12). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Refer to the QC report for details.

No other difficulties were encountered during the pesticides analyses.

All other quality control parameters were within the acceptance limits.

ORGANOCHLORINE PESTICIDES
Sample 460-61467-15 was analyzed for organochlorine pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared on 08/20/2013 and analyzed on 08/21/2013.

No difficulties were encountered during the pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS
Samples 460-61467-2, 460-61467-4, 460-61467-6 through 460-61467-8, 460-61467-11, 460-61467-12, 460-61467-17, 460-61467-18, 460-61467-21, 460-61467-22, 460-61467-25 and 460-61467-26 were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082. The samples were prepared and analyzed on 08/19/2013 and 08/20/2013.

No difficulties were encountered during the PCBs analyses.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)
Sample 460-61467-15 was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 08/20/2013 and analyzed on 08/22/2013.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples 460-61467-7, 460-61467-8, 460-61467-11, 460-61467-12, 460-61467-17, 460-61467-18, 460-61467-21, 460-61467-22, 460-61467-25 and 460-61467-26 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 08/17/2013 and 08/24/2013 and analyzed on 08/21/2013, 08/22/2013 and 08/27/2013.

Due to empty encore containers being received, dirt in a jar was used per client request to run the following sample was prepared and analyzed outside the method defined holding time because the request for the test was made 08/23/2013 after the holding time for the sample expired to allow sample login and processing to occur within holding time: WC-6 bottom (460-61467-26).

The laboratory control sample duplicate (LCSD) for batch 177316 recovered outside control limits for the following analytes: 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and 1,2-Dibromo-3-Chloropropane. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample duplicate (LCSD) for batch 177483 recovered outside control limits for the following analytes: 2-Hexanone. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch 177495 recovered outside control limits for the following analytes: Methylcyclohexane. LCSD recoveries and %RPD were outside control limits for Cyclohexane. The data have been flagged and reported.

The following sample was diluted to bring the concentration of target analytes within the calibration range: WC-7 bottom (460-61467-18). Elevated reporting limits (RLs) are provided.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for batch 178287 recovered outside control limits for the following analyte: 1,4-Dioxane.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples 460-61467-15 and 460-61467-16 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 08/23/2013.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 177665 were outside control limits for Toluene due to the high

concentration in the sample relative to the spike amount; MS recoveries were outside control limits for 2-Butanone. The associated laboratory control sample (LCS) recovery met acceptance criteria, except for 2-Butanone.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 460-61467-2, 460-61467-4, 460-61467-6 through 460-61467-8, 460-61467-11, 460-61467-12, 460-61467-17, 460-61467-18, 460-61467-21, 460-61467-22, 460-61467-25 and 460-61467-26 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 08/19/2013 and 08/20/2013 and analyzed on 08/20/2013, 08/21/2013 and 08/22/2013.

The matrix spike duplicate (MSD) recoveries for batch 177117 were outside control limits for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol. The associated laboratory control sample (LCS) recovery met acceptance criteria.

The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 177117 was outside control limits for 4,6-Dinitro-2-methylphenol

The laboratory control sample (LCS) and matrix spike and matrix spike duplicate (MS/MSD) for batch 176844 were outside advisory limits for the following analytes: 1,2,4,5-Tetrachlorobenzene and/or 2,3,4,6-Tetrachlorophenol.

Refer to the QC report for details.

Sample 460-61467-18(2X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample 460-61467-15 was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 08/17/2013 and analyzed on 08/23/2013.

The laboratory control sample (LCS) for batch 176664 recovered outside control limits for the following analytes: 2,3,4,6-Tetrachlorophenol, 3,3'-Dichlorobenzidine, 4-Chloroaniline, Atrazine and Caprolactam.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 176664 were outside control limits for multiple analytes. With the exception of 3,3'-Dichlorobenzidine and 4-Chloroaniline, the associated laboratory control sample (LCS) recovery met acceptance criteria.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples 460-61467-7, 460-61467-8, 460-61467-11, 460-61467-12, 460-61467-17, 460-61467-18, 460-61467-21, 460-61467-22, 460-61467-25 and 460-61467-26 were analyzed for total cyanide in accordance with EPA SW-846 Method 9012A. The samples were prepared on 08/17/2013 and 08/18/2013 and analyzed on 08/18/2013.

No difficulties were encountered during the cyanide analyses.

All quality control parameters were within the acceptance limits.

REACTIVE CYANIDE

Samples 460-61467-7, 460-61467-8, 460-61467-11, 460-61467-12, 460-61467-17, 460-61467-18, 460-61467-21, 460-61467-22, 460-61467-25 and 460-61467-26 were analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3/9014. The samples were prepared and analyzed on 08/22/2013 and 08/23/2013.

No difficulties were encountered during the reactive cyanide analyses.

All quality control parameters were within the acceptance limits.

REACTIVE SULFIDE

Samples 460-61467-7, 460-61467-8, 460-61467-11, 460-61467-12, 460-61467-17, 460-61467-18, 460-61467-21, 460-61467-22, 460-61467-25 and 460-61467-26 were analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4/9034. The samples were prepared and analyzed on 08/22/2013 and 08/23/2013.

No difficulties were encountered during the reactive sulfide analyses.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)

Samples 460-61467-7, 460-61467-8, 460-61467-11, 460-61467-12, 460-61467-17, 460-61467-18, 460-61467-21, 460-61467-22, 460-61467-25 and 460-61467-26 were analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045C. The samples were analyzed on 08/21/2013.

This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample(s) has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: WC-4 bottom (460-61467-8), WC-4 top (460-61467-7), WC-5 bottom (460-61467-12), WC-5 top (460-61467-11), WC-6 bottom (460-61467-26), WC-6 top (460-61467-25), WC-7 bottom (460-61467-18), WC-7 top (460-61467-17), WC-8 bottom (460-61467-22), WC-8 top (460-61467-21).

No difficulties were encountered during the corrosivity (pH) analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples 460-61467-1 through 460-61467-14 and 460-61467-17 through 460-61467-28 were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D). The samples were analyzed on 08/19/2013.

No difficulties were encountered during the %solids/moisture analyses.

All quality control parameters were within the acceptance limits.

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH)

Samples 460-61467-7, 460-61467-8, 460-61467-11, 460-61467-12, 460-61467-17, 460-61467-18, 460-61467-21, 460-61467-22, 460-61467-25 and 460-61467-26 were analyzed for extractable petroleum hydrocarbons (EPH) in accordance with NJDEP EPH. The samples were prepared on 08/19/2013 and analyzed on 08/20/2013 and 08/21/2013.

Sample 460-61467-18(5X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the NJEPH analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61467-1	**TS-1**					
Arsenic		19.7		1.0	mg/Kg	6010B
Barium		200		41.4	mg/Kg	6010B
Cadmium		0.51	J	1.0	mg/Kg	6010B
Chromium		20.4		2.1	mg/Kg	6010B
Lead		192		1.0	mg/Kg	6010B
Mercury		0.17		0.018	mg/Kg	7471A
Percent Moisture		9.8		1.0	%	Moisture
Percent Solids		90.2		1.0	%	Moisture
460-61467-2	**TS-2**					
Acenaphthene		140	J	390	ug/Kg	8270C
Fluorene		78	J	390	ug/Kg	8270C
Fluoranthene		1200		390	ug/Kg	8270C
Di-n-butyl phthalate		370	J	390	ug/Kg	8270C
Anthracene		170	J	390	ug/Kg	8270C
Carbazole		110	J	390	ug/Kg	8270C
Phenanthrene		810		390	ug/Kg	8270C
Pyrene		890		390	ug/Kg	8270C
Chrysene		590		390	ug/Kg	8270C
Benzo[k]fluoranthene		300		39	ug/Kg	8270C
Benzo[g,h,i]perylene		160	J	390	ug/Kg	8270C
Benzo[b]fluoranthene		890		39	ug/Kg	8270C
Benzo[a]pyrene		550		39	ug/Kg	8270C
Benzo[a]anthracene		520		39	ug/Kg	8270C
Butyl benzyl phthalate		86	J	390	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		430		390	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		170		39	ug/Kg	8270C
Dibenz(a,h)anthracene		46		39	ug/Kg	8270C
4,4'-DDE		15		7.9	ug/Kg	8081A
4,4'-DDT		30		7.9	ug/Kg	8081A
Arsenic		8.5		1.2	mg/Kg	6010B
Barium		146		46.1	mg/Kg	6010B
Cadmium		0.80	J	1.2	mg/Kg	6010B
Chromium		26.1		2.3	mg/Kg	6010B
Lead		174		1.2	mg/Kg	6010B
Silver		0.23	J	2.3	mg/Kg	6010B
Mercury		0.30		0.020	mg/Kg	7471A
Percent Moisture		14.9		1.0	%	Moisture
Percent Solids		85.1		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61467-3	**TS-3**					
Arsenic		11.6		1.1	mg/Kg	6010B
Barium		134		44.3	mg/Kg	6010B
Cadmium		0.34	J	1.1	mg/Kg	6010B
Chromium		29.8		2.2	mg/Kg	6010B
Lead		174		1.1	mg/Kg	6010B
Mercury		0.22		0.019	mg/Kg	7471A
Percent Moisture		11.5		1.0	%	Moisture
Percent Solids		88.5		1.0	%	Moisture
460-61467-4	**TS-4**					
Fluoranthene		180	J	340	ug/Kg	8270C
Di-n-butyl phthalate		220	J	340	ug/Kg	8270C
Phenanthrene		100	J	340	ug/Kg	8270C
Pyrene		130	J	340	ug/Kg	8270C
Chrysene		110	J	340	ug/Kg	8270C
Benzo[k]fluoranthene		68		34	ug/Kg	8270C
Benzo[g,h,i]perylene		34	J	340	ug/Kg	8270C
Benzo[b]fluoranthene		160		34	ug/Kg	8270C
Benzo[a]pyrene		100		34	ug/Kg	8270C
Benzo[a]anthracene		89		34	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		150	J	340	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		32	J	34	ug/Kg	8270C
Dibenz(a,h)anthracene		9.5	J	34	ug/Kg	8270C
Arsenic		42.1		0.99	mg/Kg	6010B
Barium		102		39.8	mg/Kg	6010B
Cadmium		0.87	J	0.99	mg/Kg	6010B
Chromium		153		2.0	mg/Kg	6010B
Lead		681		0.99	mg/Kg	6010B
Mercury		0.10		0.018	mg/Kg	7471A
Percent Moisture		4.2		1.0	%	Moisture
Percent Solids		95.8		1.0	%	Moisture
460-61467-5	**TS-5**					
Arsenic		43.0		1.0	mg/Kg	6010B
Barium		75.2		40.0	mg/Kg	6010B
Cadmium		1.5		1.0	mg/Kg	6010B
Chromium		38.9		2.0	mg/Kg	6010B
Lead		320		1.0	mg/Kg	6010B
Mercury		0.17		0.018	mg/Kg	7471A
Percent Moisture		9.1		1.0	%	Moisture
Percent Solids		90.9		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61467-6	**TS-6**					
4-Methylphenol		150	J	350	ug/Kg	8270C
Acenaphthylene		79	J	350	ug/Kg	8270C
Acenaphthene		72	J	350	ug/Kg	8270C
Dibenzofuran		60	J	350	ug/Kg	8270C
Fluorene		65	J	350	ug/Kg	8270C
Fluoranthene		1600		350	ug/Kg	8270C
Di-n-butyl phthalate		430		350	ug/Kg	8270C
Anthracene		220	J	350	ug/Kg	8270C
Carbazole		95	J	350	ug/Kg	8270C
Phenanthrene		970		350	ug/Kg	8270C
Pyrene		1500		350	ug/Kg	8270C
Chrysene		720		350	ug/Kg	8270C
Benzo[k]fluoranthene		370		35	ug/Kg	8270C
Benzo[g,h,i]perylene		190	J	350	ug/Kg	8270C
Benzo[b]fluoranthene		1100		35	ug/Kg	8270C
Benzo[a]pyrene		710		35	ug/Kg	8270C
Benzo[a]anthracene		680		35	ug/Kg	8270C
Butyl benzyl phthalate		50	J	350	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		760		350	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		190		35	ug/Kg	8270C
Dibenz(a,h)anthracene		61		35	ug/Kg	8270C
4,4'-DDT		12		7.0	ug/Kg	8081A
Arsenic		69.4		1.0	mg/Kg	6010B
Barium		358		40.8	mg/Kg	6010B
Cadmium		0.44	J	1.0	mg/Kg	6010B
Chromium		23.0		2.0	mg/Kg	6010B
Lead		282		1.0	mg/Kg	6010B
Mercury		0.15		0.018	mg/Kg	7471A
Percent Moisture		4.8		1.0	%	Moisture
Percent Solids		95.2		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61467-7	**WC-4 TOP**					
Acenaphthylene		65	J	360	ug/Kg	8270C
Fluoranthene		500		360	ug/Kg	8270C
Di-n-butyl phthalate		230	J	360	ug/Kg	8270C
Phenanthrene		320	J	360	ug/Kg	8270C
Pyrene		440		360	ug/Kg	8270C
Chrysene		260	J	360	ug/Kg	8270C
Benzo[k]fluoranthene		160		36	ug/Kg	8270C
Benzo[g,h,i]perylene		110	J	360	ug/Kg	8270C
Benzo[b]fluoranthene		360		36	ug/Kg	8270C
Benzo[a]pyrene		230		36	ug/Kg	8270C
Benzo[a]anthracene		200		36	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		100		36	ug/Kg	8270C
Total EPH (C9-C40)		160		2.2	mg/Kg	NJDEP EPH
Aluminum		7320		43.4	mg/Kg	6010B
Sulfur		314		52.8	mg/Kg	6010B
Arsenic		1.6		1.1	mg/Kg	6010B
Barium		71.7		43.4	mg/Kg	6010B
Beryllium		0.26	J	0.43	mg/Kg	6010B
Calcium		7180		1090	mg/Kg	6010B
Chromium		17.7		2.2	mg/Kg	6010B
Cobalt		4.9	J	10.9	mg/Kg	6010B
Copper		17.2		5.4	mg/Kg	6010B
Iron		13500		32.6	mg/Kg	6010B
Lead		32.4		1.1	mg/Kg	6010B
Magnesium		2930		1090	mg/Kg	6010B
Manganese		197		3.3	mg/Kg	6010B
Nickel		13.6		8.7	mg/Kg	6010B
Potassium		1570		1090	mg/Kg	6010B
Vanadium		22.8		10.9	mg/Kg	6010B
Zinc		53.3		6.5	mg/Kg	6010B
Mercury		0.062		0.018	mg/Kg	7471A
pH		8.41	HF		SU	9045C
Corrosivity		8.41	HF		SU	9045C
Percent Moisture		8.8		1.0	%	Moisture
Percent Solids		91.2		1.0	%	Moisture
TCLP						
Barium		891	J	1000	ug/L	6010B
Lead		39.3		25.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61467-8	**WC-4 BOTTOM**					
Acenaphthylene		43	J	360	ug/Kg	8270C
Fluoranthene		160	J	360	ug/Kg	8270C
Di-n-butyl phthalate		250	J	360	ug/Kg	8270C
Phenanthrene		140	J	360	ug/Kg	8270C
Pyrene		160	J	360	ug/Kg	8270C
Chrysene		100	J	360	ug/Kg	8270C
Benzo[k]fluoranthene		47		36	ug/Kg	8270C
Benzo[g,h,i]perylene		45	J	360	ug/Kg	8270C
Benzo[b]fluoranthene		130		36	ug/Kg	8270C
Benzo[a]pyrene		100		36	ug/Kg	8270C
Benzo[a]anthracene		87		36	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		130	J	360	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		41		36	ug/Kg	8270C
Dibenz(a,h)anthracene		11	J	36	ug/Kg	8270C
Total EPH (C9-C40)		150		2.2	mg/Kg	NJDEP EPH
Aluminum		8900		42.3	mg/Kg	6010B
Sulfur		190		53.6	mg/Kg	6010B
Arsenic		1.2		1.1	mg/Kg	6010B
Barium		136		42.3	mg/Kg	6010B
Beryllium		0.29	J	0.42	mg/Kg	6010B
Calcium		12200		1060	mg/Kg	6010B
Chromium		17.9		2.1	mg/Kg	6010B
Cobalt		6.3	J	10.6	mg/Kg	6010B
Copper		23.7		5.3	mg/Kg	6010B
Iron		15400		31.8	mg/Kg	6010B
Lead		33.2		1.1	mg/Kg	6010B
Magnesium		4810		1060	mg/Kg	6010B
Manganese		232		3.2	mg/Kg	6010B
Nickel		16.6		8.5	mg/Kg	6010B
Potassium		2730		1060	mg/Kg	6010B
Vanadium		25.4		10.6	mg/Kg	6010B
Zinc		89.8		6.4	mg/Kg	6010B
Mercury		0.028		0.018	mg/Kg	7471A
pH		8.66	HF		SU	9045C
Corrosivity		8.66	HF		SU	9045C
Percent Moisture		9.2		1.0	%	Moisture
Percent Solids		90.8		1.0	%	Moisture
TCLP						
Barium		551	J	1000	ug/L	6010B
Lead		71.1		25.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61467-9	**SB-4 TOP**					
Arsenic		4.4		1.0	mg/Kg	6010B
Barium		722		41.8	mg/Kg	6010B
Cadmium		2.3		1.0	mg/Kg	6010B
Chromium		21.0		2.1	mg/Kg	6010B
Lead		345		1.0	mg/Kg	6010B
Mercury		0.11		0.020	mg/Kg	7471A
Percent Moisture		16.0		1.0	%	Moisture
Percent Solids		84.0		1.0	%	Moisture
460-61467-10	**SB-4 BOTTOM**					
Arsenic		1.4		1.0	mg/Kg	6010B
Barium		256		40.8	mg/Kg	6010B
Chromium		18.0		2.0	mg/Kg	6010B
Lead		44.4		1.0	mg/Kg	6010B
Mercury		0.048		0.018	mg/Kg	7471A
Percent Moisture		9.3		1.0	%	Moisture
Percent Solids		90.7		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61467-11	**WC-5 TOP**					
Fluoranthene		82	J	380	ug/Kg	8270C
Di-n-butyl phthalate		210	J	380	ug/Kg	8270C
Phenanthrene		54	J	380	ug/Kg	8270C
Pyrene		100	J	380	ug/Kg	8270C
Chrysene		56	J	380	ug/Kg	8270C
Benzo[k]fluoranthene		31	J	38	ug/Kg	8270C
Benzo[g,h,i]perylene		47	J	380	ug/Kg	8270C
Benzo[b]fluoranthene		73		38	ug/Kg	8270C
Benzo[a]pyrene		56		38	ug/Kg	8270C
Benzo[a]anthracene		60		38	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		44		38	ug/Kg	8270C
Dibenz(a,h)anthracene		13	J	38	ug/Kg	8270C
Total EPH (C9-C40)		110		2.3	mg/Kg	NJDEP EPH
Aluminum		7960		41.6	mg/Kg	6010B
Sulfur		241		56.8	mg/Kg	6010B
Arsenic		4.8		1.0	mg/Kg	6010B
Barium		361		41.6	mg/Kg	6010B
Beryllium		0.24	J	0.42	mg/Kg	6010B
Cadmium		0.15	J	1.0	mg/Kg	6010B
Calcium		23300		1040	mg/Kg	6010B
Chromium		13.3		2.1	mg/Kg	6010B
Cobalt		5.5	J	10.4	mg/Kg	6010B
Copper		14.7		5.2	mg/Kg	6010B
Iron		14300		31.2	mg/Kg	6010B
Lead		224		1.0	mg/Kg	6010B
Magnesium		2660		1040	mg/Kg	6010B
Manganese		470		3.1	mg/Kg	6010B
Nickel		11.0		8.3	mg/Kg	6010B
Potassium		845	J	1040	mg/Kg	6010B
Sodium		377	J	1040	mg/Kg	6010B
Vanadium		22.3		10.4	mg/Kg	6010B
Zinc		176		6.2	mg/Kg	6010B
Mercury		0.057		0.019	mg/Kg	7471A
pH		6.78	HF		SU	9045C
Corrosivity		6.78	HF		SU	9045C
Percent Moisture		12.6		1.0	%	Moisture
Percent Solids		87.4		1.0	%	Moisture
TCLP						
Barium		576	J	1000	ug/L	6010B
Lead		507		25.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61467-12	**WC-5 BOTTOM**					
Fluoranthene		54	J	370	ug/Kg	8270C
Di-n-butyl phthalate		190	J	370	ug/Kg	8270C
Pyrene		45	J	370	ug/Kg	8270C
Benzo[k]fluoranthene		18	J	37	ug/Kg	8270C
Benzo[g,h,i]perylene		36	J	370	ug/Kg	8270C
Benzo[b]fluoranthene		38		37	ug/Kg	8270C
Benzo[a]pyrene		31	J	37	ug/Kg	8270C
Benzo[a]anthracene		34	J	37	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		160	J	370	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		32	J	37	ug/Kg	8270C
Dibenz(a,h)anthracene		7.2	J	37	ug/Kg	8270C
Total EPH (C9-C40)		87		2.2	mg/Kg	NJDEP EPH
Aluminum		7570		44.4	mg/Kg	6010B
Sulfur		163		53.4	mg/Kg	6010B
Arsenic		1.7		1.1	mg/Kg	6010B
Barium		168		44.4	mg/Kg	6010B
Beryllium		0.31	J	0.44	mg/Kg	6010B
Calcium		5740		1110	mg/Kg	6010B
Chromium		18.3		2.2	mg/Kg	6010B
Cobalt		8.0	J	11.1	mg/Kg	6010B
Copper		18.9		5.6	mg/Kg	6010B
Iron		13100		33.3	mg/Kg	6010B
Lead		43.5		1.1	mg/Kg	6010B
Magnesium		2650		1110	mg/Kg	6010B
Manganese		208		3.3	mg/Kg	6010B
Nickel		13.2		8.9	mg/Kg	6010B
Potassium		1680		1110	mg/Kg	6010B
Vanadium		25.1		11.1	mg/Kg	6010B
Zinc		75.8		6.7	mg/Kg	6010B
Mercury		0.051		0.019	mg/Kg	7471A
pH		7.91	HF		SU	9045C
Corrosivity		7.91	HF		SU	9045C
Percent Moisture		10.9		1.0	%	Moisture
Percent Solids		89.1		1.0	%	Moisture
TCLP						
Barium		915	J	1000	ug/L	6010B
Lead		87.8		25.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61467-13	**SB-5 TOP**					
Arsenic		1.8		1.1	mg/Kg	6010B
Barium		338		45.5	mg/Kg	6010B
Cadmium		0.23	J	1.1	mg/Kg	6010B
Chromium		22.1		2.3	mg/Kg	6010B
Lead		113		1.1	mg/Kg	6010B
Mercury		0.43		0.018	mg/Kg	7471A
Percent Moisture		12.1		1.0	%	Moisture
Percent Solids		87.9		1.0	%	Moisture
460-61467-14	**SB-5 BOTTOM**					
Barium		166		40.6	mg/Kg	6010B
Chromium		38.1		2.0	mg/Kg	6010B
Lead		6.9		1.0	mg/Kg	6010B
Percent Moisture		3.4		1.0	%	Moisture
Percent Solids		96.6		1.0	%	Moisture
460-61467-15	**TW-2**					
Benzene		0.11	J	1.0	ug/L	8260B
Toluene		0.38	J	1.0	ug/L	8260B
Bis(2-ethylhexyl) phthalate		2.3	J	10	ug/L	8270C
Arsenic		140		25.0	ug/L	6010B
Barium		18800		1000	ug/L	6010B
Cadmium		12.5	J	25.0	ug/L	6010B
Chromium		1170		50.0	ug/L	6010B
Lead		6780		25.0	ug/L	6010B
Mercury		5.2		0.20	ug/L	7470A
Dissolved						
Barium		67.3	J	200	ug/L	6010B
Selenium		19.0		10.0	ug/L	6010B
Mercury		0.18	J	0.20	ug/L	7470A

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61467-17	**WC-7 TOP**					
Fluoranthene		230	J	360	ug/Kg	8270C
Di-n-butyl phthalate		230	J	360	ug/Kg	8270C
Phenanthrene		150	J	360	ug/Kg	8270C
Pyrene		290	J	360	ug/Kg	8270C
Chrysene		150	J	360	ug/Kg	8270C
Benzo[k]fluoranthene		55		36	ug/Kg	8270C
Benzo[g,h,i]perylene		63	J	360	ug/Kg	8270C
Benzo[b]fluoranthene		150		36	ug/Kg	8270C
Benzo[a]pyrene		130		36	ug/Kg	8270C
Benzo[a]anthracene		140		36	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		61		36	ug/Kg	8270C
Total EPH (C9-C40)		170		2.2	mg/Kg	NJDEP EPH
Aluminum		9950		43.3	mg/Kg	6010B
Sulfur		253		54.3	mg/Kg	6010B
Arsenic		8.0		1.1	mg/Kg	6010B
Barium		185		43.3	mg/Kg	6010B
Beryllium		0.34	J	0.43	mg/Kg	6010B
Cadmium		0.19	J	1.1	mg/Kg	6010B
Calcium		15300		1080	mg/Kg	6010B
Chromium		21.3		2.2	mg/Kg	6010B
Cobalt		9.0	J	10.8	mg/Kg	6010B
Copper		35.2		5.4	mg/Kg	6010B
Iron		19800		32.4	mg/Kg	6010B
Lead		106		1.1	mg/Kg	6010B
Magnesium		3730		1080	mg/Kg	6010B
Manganese		379		3.2	mg/Kg	6010B
Nickel		17.4		8.7	mg/Kg	6010B
Potassium		1720		1080	mg/Kg	6010B
Vanadium		27.1		10.8	mg/Kg	6010B
Zinc		132		6.5	mg/Kg	6010B
Mercury		0.31		0.018	mg/Kg	7471A
pH		8.57	HF		SU	9045C
Corrosivity		8.57	HF		SU	9045C
Percent Moisture		9.4		1.0	%	Moisture
Percent Solids		90.6		1.0	%	Moisture
TCLP						
Barium		1080		1000	ug/L	6010B
Lead		26.9		25.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61467-18	**WC-7 BOTTOM**					
Benzene		120		120	ug/Kg	8260B
m&p-Xylene		9700		240	ug/Kg	8260B
o-Xylene		1200		120	ug/Kg	8260B
Ethylbenzene		7100		120	ug/Kg	8260B
Cyclohexane		4100	*	120	ug/Kg	8260B
Isopropylbenzene		3200		120	ug/Kg	8260B
Methylcyclohexane		15000	*	120	ug/Kg	8260B
Dibromochloromethane		48	J	120	ug/Kg	8260B
2-Methylnaphthalene		730	J	780	ug/Kg	8270C
Acenaphthene		200	J	780	ug/Kg	8270C
Dibenzofuran		220	J	780	ug/Kg	8270C
Fluorene		640	J	780	ug/Kg	8270C
Fluoranthene		330	J	780	ug/Kg	8270C
Di-n-butyl phthalate		360	J	780	ug/Kg	8270C
Anthracene		340	J	780	ug/Kg	8270C
Phenanthrene		2800		780	ug/Kg	8270C
Pyrene		1100		780	ug/Kg	8270C
Chrysene		860		780	ug/Kg	8270C
Benzo[k]fluoranthene		59	J	78	ug/Kg	8270C
Benzo[g,h,i]perylene		63	J	780	ug/Kg	8270C
Benzo[b]fluoranthene		180		78	ug/Kg	8270C
Benzo[a]pyrene		320		78	ug/Kg	8270C
Benzo[a]anthracene		440		78	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		50	J	78	ug/Kg	8270C
Aroclor 1254		63	J	79	ug/Kg	8082
Total EPH (C9-C40)		1100		12	mg/Kg	NJDEP EPH
Aluminum		12300		45.9	mg/Kg	6010B
Sulfur		282		58.6	mg/Kg	6010B
Arsenic		2.4		1.1	mg/Kg	6010B
Barium		109		45.9	mg/Kg	6010B
Beryllium		0.36	J	0.46	mg/Kg	6010B
Calcium		5190		1150	mg/Kg	6010B
Chromium		24.2		2.3	mg/Kg	6010B
Cobalt		9.7	J	11.5	mg/Kg	6010B
Copper		28.0		5.7	mg/Kg	6010B
Iron		18600		34.4	mg/Kg	6010B
Lead		32.1		1.1	mg/Kg	6010B
Magnesium		3480		1150	mg/Kg	6010B
Manganese		523		3.4	mg/Kg	6010B
Nickel		22.3		9.2	mg/Kg	6010B
Potassium		1340		1150	mg/Kg	6010B
Sodium		323	J	1150	mg/Kg	6010B
Vanadium		28.6		11.5	mg/Kg	6010B
Zinc		45.2		6.9	mg/Kg	6010B
Mercury		0.054		0.019	mg/Kg	7471A
pH		7.44	HF		SU	9045C

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Corrosivity		7.44	HF		SU	9045C
Percent Moisture		15.4		1.0	%	Moisture
Percent Solids		84.6		1.0	%	Moisture
TCLP						
Barium		1210		1000	ug/L	6010B
Lead		123		25.0	ug/L	6010B
460-61467-19	**SB-7 TOP**					
Arsenic		12.7		1.0	mg/Kg	6010B
Barium		927		40.2	mg/Kg	6010B
Cadmium		1.2		1.0	mg/Kg	6010B
Chromium		20.6		2.0	mg/Kg	6010B
Lead		599		1.0	mg/Kg	6010B
Silver		0.60	J	2.0	mg/Kg	6010B
Mercury		0.38		0.018	mg/Kg	7471A
Percent Moisture		11.9		1.0	%	Moisture
Percent Solids		88.1		1.0	%	Moisture
460-61467-20	**SB-7 BOTTOM**					
Arsenic		2.4		1.0	mg/Kg	6010B
Barium		104		39.9	mg/Kg	6010B
Cadmium		0.97	J	1.0	mg/Kg	6010B
Chromium		9.6		2.0	mg/Kg	6010B
Lead		190		1.0	mg/Kg	6010B
Mercury		0.36		0.019	mg/Kg	7471A
Percent Moisture		12.1		1.0	%	Moisture
Percent Solids		87.9		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61467-21	**WC-8 TOP**					
Fluoranthene		170	J	380	ug/Kg	8270C
Di-n-butyl phthalate		210	J	380	ug/Kg	8270C
Phenanthrene		82	J	380	ug/Kg	8270C
Pyrene		170	J	380	ug/Kg	8270C
Chrysene		120	J	380	ug/Kg	8270C
Benzo[k]fluoranthene		61		38	ug/Kg	8270C
Benzo[g,h,i]perylene		74	J	380	ug/Kg	8270C
Benzo[b]fluoranthene		170		38	ug/Kg	8270C
Benzo[a]pyrene		130		38	ug/Kg	8270C
Benzo[a]anthracene		100		38	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		69		38	ug/Kg	8270C
Dibenz(a,h)anthracene		18	J	38	ug/Kg	8270C
Total EPH (C9-C40)		210		2.3	mg/Kg	NJDEP EPH
Aluminum		8860		41.1	mg/Kg	6010B
Sulfur		117		56.5	mg/Kg	6010B
Arsenic		2.8		1.0	mg/Kg	6010B
Barium		497		41.1	mg/Kg	6010B
Beryllium		0.19	J	0.41	mg/Kg	6010B
Cadmium		0.34	J	1.0	mg/Kg	6010B
Calcium		33600		1030	mg/Kg	6010B
Chromium		21.4		2.1	mg/Kg	6010B
Cobalt		8.3	J	10.3	mg/Kg	6010B
Copper		29.1		5.1	mg/Kg	6010B
Iron		17300		30.8	mg/Kg	6010B
Lead		347		1.0	mg/Kg	6010B
Magnesium		6350		1030	mg/Kg	6010B
Manganese		399		3.1	mg/Kg	6010B
Nickel		21.6		8.2	mg/Kg	6010B
Potassium		3120		1030	mg/Kg	6010B
Sodium		176	J	1030	mg/Kg	6010B
Vanadium		27.1		10.3	mg/Kg	6010B
Zinc		269		6.2	mg/Kg	6010B
Mercury		0.36		0.019	mg/Kg	7471A
Cyanide, Total		0.16		0.11	mg/Kg	9012A
pH		8.71	HF		SU	9045C
Corrosivity		8.71	HF		SU	9045C
Percent Moisture		12.2		1.0	%	Moisture
Percent Solids		87.8		1.0	%	Moisture
TCLP						
Barium		1600		1000	ug/L	6010B
Lead		433		25.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61467-22	**WC-8 BOTTOM**					
Acenaphthylene		56	J	370	ug/Kg	8270C
Fluoranthene		530		370	ug/Kg	8270C
Di-n-butyl phthalate		170	J	370	ug/Kg	8270C
Anthracene		45	J	370	ug/Kg	8270C
Phenanthrene		250	J	370	ug/Kg	8270C
Pyrene		450		370	ug/Kg	8270C
Chrysene		270	J	370	ug/Kg	8270C
Benzo[k]fluoranthene		170		37	ug/Kg	8270C
Benzo[g,h,i]perylene		88	J	370	ug/Kg	8270C
Benzo[b]fluoranthene		390		37	ug/Kg	8270C
Benzo[a]pyrene		300		37	ug/Kg	8270C
Benzo[a]anthracene		280		37	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		200	J	370	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		96		37	ug/Kg	8270C
Dibenz(a,h)anthracene		32	J	37	ug/Kg	8270C
Total EPH (C9-C40)		250		2.2	mg/Kg	NJDEP EPH
Aluminum		7610		39.4	mg/Kg	6010B
Sulfur		268		55.3	mg/Kg	6010B
Arsenic		5.5		0.98	mg/Kg	6010B
Barium		419		39.4	mg/Kg	6010B
Beryllium		0.20	J	0.39	mg/Kg	6010B
Cadmium		0.46	J	0.98	mg/Kg	6010B
Calcium		46700		985	mg/Kg	6010B
Chromium		14.5		2.0	mg/Kg	6010B
Cobalt		6.1	J	9.8	mg/Kg	6010B
Copper		25.0		4.9	mg/Kg	6010B
Iron		15300		29.5	mg/Kg	6010B
Lead		400		0.98	mg/Kg	6010B
Magnesium		4510		985	mg/Kg	6010B
Manganese		298		3.0	mg/Kg	6010B
Nickel		14.4		7.9	mg/Kg	6010B
Potassium		1890		985	mg/Kg	6010B
Sodium		284	J	985	mg/Kg	6010B
Vanadium		23.6		9.8	mg/Kg	6010B
Zinc		258		5.9	mg/Kg	6010B
Mercury		0.25		0.019	mg/Kg	7471A
Cyanide, Total		0.12		0.11	mg/Kg	9012A
pH		8.34	HF		SU	9045C
Corrosivity		8.34	HF		SU	9045C
Percent Moisture		10.1		1.0	%	Moisture
Percent Solids		89.9		1.0	%	Moisture
TCLP						
Barium		904	J	1000	ug/L	6010B
Cadmium		6.9	J	25.0	ug/L	6010B
Lead		316		25.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61467-23	**SB-8 TOP**					
Arsenic		61.7		1.0	mg/Kg	6010B
Barium		1340		40.0	mg/Kg	6010B
Cadmium		0.94	J	1.0	mg/Kg	6010B
Chromium		18.8		2.0	mg/Kg	6010B
Lead		643		1.0	mg/Kg	6010B
Silver		0.25	J	2.0	mg/Kg	6010B
Mercury		0.29		0.019	mg/Kg	7471A
Percent Moisture		10.6		1.0	%	Moisture
Percent Solids		89.4		1.0	%	Moisture
460-61467-24	**SB-8 BOTTOM**					
Barium		143		41.7	mg/Kg	6010B
Cadmium		0.28	J	1.0	mg/Kg	6010B
Chromium		22.8		2.1	mg/Kg	6010B
Lead		6.8		1.0	mg/Kg	6010B
Mercury		0.082		0.017	mg/Kg	7471A
Percent Moisture		5.9		1.0	%	Moisture
Percent Solids		94.1		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61467-25	**WC-6 TOP**					
Isophorone		72	J	390	ug/Kg	8270C
Fluoranthene		57	J	390	ug/Kg	8270C
Di-n-butyl phthalate		180	J	390	ug/Kg	8270C
Pyrene		58	J	390	ug/Kg	8270C
Benzo[k]fluoranthene		16	J	39	ug/Kg	8270C
Benzo[b]fluoranthene		42		39	ug/Kg	8270C
Benzo[a]pyrene		35	J	39	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		22	J	39	ug/Kg	8270C
Total EPH (C9-C40)		190		2.4	mg/Kg	NJDEP EPH
Aluminum		9930		40.1	mg/Kg	6010B
Sulfur		342		59.5	mg/Kg	6010B
Arsenic		2.9		1.0	mg/Kg	6010B
Barium		113		40.1	mg/Kg	6010B
Beryllium		0.30	J	0.40	mg/Kg	6010B
Cadmium		0.26	J	1.0	mg/Kg	6010B
Calcium		6600		1000	mg/Kg	6010B
Chromium		15.3		2.0	mg/Kg	6010B
Cobalt		7.8	J	10.0	mg/Kg	6010B
Copper		28.8		5.0	mg/Kg	6010B
Iron		18600		30.1	mg/Kg	6010B
Lead		63.8		1.0	mg/Kg	6010B
Magnesium		3460		1000	mg/Kg	6010B
Manganese		309		3.0	mg/Kg	6010B
Nickel		14.9		8.0	mg/Kg	6010B
Potassium		2040		1000	mg/Kg	6010B
Selenium		1.3	J	2.0	mg/Kg	6010B
Sodium		250	J	1000	mg/Kg	6010B
Vanadium		20.1		10.0	mg/Kg	6010B
Zinc		93.3		6.0	mg/Kg	6010B
Mercury		0.21		0.019	mg/Kg	7471A
pH		8.89	HF		SU	9045C
Corrosivity		8.89	HF		SU	9045C
Percent Moisture		15.4		1.0	%	Moisture
Percent Solids		84.6		1.0	%	Moisture
TCLP						
Barium		571	J	1000	ug/L	6010B
Lead		74.4		25.0	ug/L	6010B

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61467-26	**WC-6 BOTTOM**					
Di-n-butyl phthalate		320	J	390	ug/Kg	8270C
Benzo[b]fluoranthene		6.7	J	39	ug/Kg	8270C
Benzo[a]pyrene		5.2	J	39	ug/Kg	8270C
Total EPH (C9-C40)		130		2.4	mg/Kg	NJDEP EPH
Aluminum		11000		39.0	mg/Kg	6010B
Sulfur		92.5		59.3	mg/Kg	6010B
Arsenic		3.2		0.98	mg/Kg	6010B
Barium		124		39.0	mg/Kg	6010B
Beryllium		0.31	J	0.39	mg/Kg	6010B
Cadmium		0.36	J	0.98	mg/Kg	6010B
Calcium		8280		975	mg/Kg	6010B
Chromium		19.0		2.0	mg/Kg	6010B
Cobalt		8.4	J	9.8	mg/Kg	6010B
Copper		28.0		4.9	mg/Kg	6010B
Iron		26900		29.3	mg/Kg	6010B
Lead		28.1		0.98	mg/Kg	6010B
Magnesium		4250		975	mg/Kg	6010B
Manganese		638		2.9	mg/Kg	6010B
Nickel		17.1		7.8	mg/Kg	6010B
Potassium		2300		975	mg/Kg	6010B
Sodium		307	J	975	mg/Kg	6010B
Vanadium		25.1		9.8	mg/Kg	6010B
Zinc		85.3		5.9	mg/Kg	6010B
Mercury		0.14		0.020	mg/Kg	7471A
pH		7.01	HF		SU	9045C
Corrosivity		7.01	HF		SU	9045C
Percent Moisture		16.6		1.0	%	Moisture
Percent Solids		83.4		1.0	%	Moisture
TCLP						
Barium		626	J	1000	ug/L	6010B
Lead		113		25.0	ug/L	6010B
460-61467-27	**SB-6 TOP**					
Arsenic		3.3		1.1	mg/Kg	6010B
Barium		850		42.1	mg/Kg	6010B
Cadmium		0.47	J	1.1	mg/Kg	6010B
Chromium		11.1		2.1	mg/Kg	6010B
Lead		440		1.1	mg/Kg	6010B
Silver		0.22	J	2.1	mg/Kg	6010B
Mercury		0.35		0.020	mg/Kg	7471A
Percent Moisture		15.2		1.0	%	Moisture
Percent Solids		84.8		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-61467-28	**SB-6 BOTTOM**					
Arsenic		2.9		1.0	mg/Kg	6010B
Barium		125		41.9	mg/Kg	6010B
Cadmium		0.33	J	1.0	mg/Kg	6010B
Chromium		48.4		2.1	mg/Kg	6010B
Lead		11.8		1.0	mg/Kg	6010B
Percent Moisture		14.8		1.0	%	Moisture
Percent Solids		85.2		1.0	%	Moisture

METHOD SUMMARY

Client: AKRF Inc

Job Number: 460-61467-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL EDI	SW846 8260B	
Closed System Purge and Trap	TAL EDI		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270C	
Automated Soxhlet Extraction	TAL EDI		SW846 3541
Organochlorine Pesticides (GC)	TAL EDI	SW846 8081A	
Microwave Extraction	TAL EDI		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL EDI	SW846 8082	
Microwave Extraction	TAL EDI		SW846 3546
New Jersey Extractable Petroleum Hydrocarbons	TAL EDI	NJDEP NJDEP EPH	
Microwave Extraction	TAL EDI		SW846 3546
Metals (ICP)	TAL EDI	SW846 6010B	
Preparation, Metals	TAL EDI		SW846 3050B
Metals (ICP)	TAL EDI	SW846 6010B	
TCLP Extraction	TAL EDI		SW846 1311
Preparation, Total Metals	TAL EDI		SW846 3010A
Mercury (CVAA)	TAL EDI	SW846 7470A	
TCLP Extraction	TAL EDI		SW846 1311
Preparation, Mercury	TAL EDI		SW846 7470A
Mercury (CVAA)	TAL EDI	SW846 7471A	
Preparation, Mercury	TAL EDI		SW846 7471A
Ignitability, Solids	TAL EDI	SW846 1030	
Chromium, Hexavalent	TAL EDI	SW846 7196A	
Alkaline Digestion (Chromium, Hexavalent)	TAL EDI		SW846 3060A
Cyanide, Total and/or Amenable	TAL EDI	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation	TAL EDI		SW846 9012A
Cyanide, Reactive	TAL EDI	SW846 9014	
Cyanide, Reactive	TAL EDI		SW846 7.3.3
Sulfide, Reactive	TAL EDI	SW846 9034	
Sulfide, Reactive	TAL EDI		SW846 7.3.4
pH	TAL EDI	SW846 9045C	
Percent Moisture	TAL EDI	EPA Moisture	
Metals (ICP)	TAL NSH	SW846 6010B	
Preparation, Metals, Microwave Assisted	TAL NSH		SW846 3051A
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL EDI	SW846 8260B	
Purge and Trap	TAL EDI		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C
Organochlorine Pesticides (GC)	TAL EDI	SW846 8081A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C

METHOD SUMMARY

Client: AKRF Inc

Job Number: 460-61467-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL EDI	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C
Metals (ICP)	TAL EDI	SW846 6010B	
Preparation, Total Metals	TAL EDI		SW846 3010A
Metals (ICP)	TAL EDI	SW846 6010B	
Preparation, Total Metals	TAL EDI		SW846 3010A
Sample Filtration	TAL EDI		FILTRATION
Mercury (CVAA)	TAL EDI	SW846 7470A	
Preparation, Mercury	TAL EDI		SW846 7470A
Mercury (CVAA)	TAL EDI	SW846 7470A	
Preparation, Mercury	TAL EDI		SW846 7470A
Sample Filtration	TAL EDI		FILTRATION

Lab References:

TAL EDI = TestAmerica Edison

TAL NSH = TestAmerica Nashville

Method References:

EPA = US Environmental Protection Agency

NJDEP = New Jersey Department of Environmental Protection

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AKRF Inc

Job Number: 460-61467-1

Method	Analyst	Analyst ID
SW846 8260B	Boykin, Kenneth	KLB
SW846 8260B	Desai, Saurab	SZD
SW846 8260B	Martinez, Eddie	EMM
SW846 8260B	Tupayachi, Audberto	AAT
SW846 8270C	Rana, Vidhi	VJR
SW846 8270C	Zhao, Chunxin	CAZ
SW846 8081A	Foleyson, Temitope S	TSF
SW846 8081A	Kapoor, Sita	SAK
SW846 8082	Dalangin, Catalina	CDC
SW846 8082	Patel, Jignesh	JHP
NJDEP NJDEP EPH	Kim, Ho	HJK
SW846 6010B	Chang, Churn Der	CDC
SW846 6010B	Johnson, Kellye	KDJ
SW846 7470A	Sheikh, Razia B	RBS
SW846 7470A	Staib, Thomas	TJS
SW846 7471A	Patel, Purva H	PHP
SW846 1030	Kowalski, Joseph A	JAK
SW846 7196A	Brown, Sarah E	SEB
SW846 9012A	Leye, Mamadou	MAL
SW846 9014	Kowalski, Joseph A	JAK
SW846 9014	Vu, Huan	HTV
SW846 9034	Kowalski, Joseph A	JAK
SW846 9034	Vu, Huan	HTV
SW846 9045C	Hu, Youhao	YAH
EPA Moisture	Armbruster, Chris	CJA
EPA Moisture	Robinson, Ian	ITR

SAMPLE SUMMARY

Client: AKRF Inc

Job Number: 460-61467-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-61467-1	TS-1	Solid	08/16/2013 0800	08/16/2013 1640
460-61467-2	TS-2	Solid	08/16/2013 0802	08/16/2013 1640
460-61467-3	TS-3	Solid	08/16/2013 0804	08/16/2013 1640
460-61467-4	TS-4	Solid	08/16/2013 0806	08/16/2013 1640
460-61467-5	TS-5	Solid	08/16/2013 0808	08/16/2013 1640
460-61467-6	TS-6	Solid	08/16/2013 0810	08/16/2013 1640
460-61467-7	WC-4 top	Solid	08/15/2013 1520	08/16/2013 1640
460-61467-8	WC-4 bottom	Solid	08/15/2013 1525	08/16/2013 1640
460-61467-9	SB-4 top	Solid	08/15/2013 1530	08/16/2013 1640
460-61467-10	SB-4 bottom	Solid	08/15/2013 1532	08/16/2013 1640
460-61467-11	WC-5 top	Solid	08/15/2013 1540	08/16/2013 1640
460-61467-12	WC-5 bottom	Solid	08/15/2013 1545	08/16/2013 1640
460-61467-13	SB-5 top	Solid	08/15/2013 1550	08/16/2013 1640
460-61467-14	SB-5 bottom	Solid	08/15/2013 1555	08/16/2013 1640
460-61467-15	TW-2	Water	08/15/2013 1610	08/16/2013 1640
460-61467-16TB	TB	Water	08/16/2013 0000	08/16/2013 1640
460-61467-17	WC-7 top	Solid	08/16/2013 0930	08/16/2013 1640
460-61467-18	WC-7 bottom	Solid	08/16/2013 0935	08/16/2013 1640
460-61467-19	SB-7 top	Solid	08/16/2013 0940	08/16/2013 1640
460-61467-20	SB-7 bottom	Solid	08/16/2013 0945	08/16/2013 1640
460-61467-21	WC-8 top	Solid	08/16/2013 0930	08/16/2013 1640
460-61467-22	WC-8 bottom	Solid	08/16/2013 0935	08/16/2013 1640
460-61467-23	SB-8 top	Solid	08/16/2013 0940	08/16/2013 1640
460-61467-24	SB-8 bottom	Solid	08/16/2013 0945	08/16/2013 1640
460-61467-25	WC-6 top	Solid	08/16/2013 1130	08/16/2013 1640
460-61467-26	WC-6 bottom	Solid	08/16/2013 1135	08/16/2013 1640
460-61467-27	SB-6 top	Solid	08/16/2013 1140	08/16/2013 1640
460-61467-28	SB-6 bottom	Solid	08/16/2013 1145	08/16/2013 1640

SAMPLE RESULTS

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 top**

Lab Sample ID: 460-61467-7
Client Matrix: Solid

% Moisture: 8.8

Date Sampled: 08/15/2013 1520
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76938.D
Dilution:	1.0			Initial Weight/Volume:	5.54 g
Analysis Date:	08/21/2013 1551			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1628				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.99	U	0.16	0.99
Bromomethane		0.99	U	0.43	0.99
Vinyl chloride		0.99	U	0.34	0.99
Chloroethane		0.99	U	0.33	0.99
Methylene Chloride		0.99	U	0.15	0.99
Acetone		9.9	U	1.7	9.9
Carbon disulfide		0.99	U	0.15	0.99
Trichlorofluoromethane		0.99	U	0.16	0.99
1,1-Dichloroethene		0.99	U	0.19	0.99
1,1-Dichloroethane		0.99	U	0.11	0.99
trans-1,2-Dichloroethene		0.99	U	0.13	0.99
cis-1,2-Dichloroethene		0.99	U	0.11	0.99
Chloroform		0.99	U	0.24	0.99
2-Butanone		9.9	U	0.62	9.9
1,2-Dichloroethane		0.99	U	0.18	0.99
1,1,1-Trichloroethane		0.99	U	0.13	0.99
Carbon tetrachloride		0.99	U	0.15	0.99
Benzene		0.99	U	0.15	0.99
Bromoform		0.99	U	0.17	0.99
Styrene		0.99	U	0.28	0.99
m&p-Xylene		2.0	U	0.58	2.0
o-Xylene		0.99	U	0.19	0.99
Ethylbenzene		0.99	U	0.17	0.99
Chlorobenzene		0.99	U	0.18	0.99
Cyclohexane		0.99	U	0.13	0.99
Isopropylbenzene		0.99	U	0.11	0.99
2-Hexanone		9.9	U	0.13	9.9
MTBE		0.99	U	0.11	0.99
Freon TF		0.99	U	0.11	0.99
Methyl acetate		0.99	U	0.32	0.99
1,4-Dioxane		49	U	13	49
Trichloroethene		0.99	U	0.12	0.99
Toluene		0.99	U	0.14	0.99
trans-1,3-Dichloropropene		0.99	U	0.099	0.99
4-Methyl-2-pentanone		9.9	U	0.20	9.9
cis-1,3-Dichloropropene		0.99	U	0.14	0.99
1,2-Dichlorobenzene		0.99	U	0.099	0.99
1,3-Dichlorobenzene		0.99	U	0.16	0.99
1,4-Dichlorobenzene		0.99	U	0.11	0.99
1,2,4-Trichlorobenzene		0.99	U *	0.19	0.99
1,2,3-Trichlorobenzene		0.99	U *	0.16	0.99
1,2-Dichloropropane		0.99	U	0.15	0.99
Methylcyclohexane		0.99	U	0.099	0.99
Tetrachloroethene		0.99	U	0.12	0.99
1,2-Dibromo-3-Chloropropane		0.99	U *	0.44	0.99
1,1,2,2-Tetrachloroethane		0.99	U	0.089	0.99

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 top**

Lab Sample ID: 460-61467-7
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 08/15/2013 1520
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76938.D
Dilution:	1.0			Initial Weight/Volume:	5.54 g
Analysis Date:	08/21/2013 1551			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1628				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		0.99	U	0.14	0.99
Dibromochloromethane		0.99	U	0.099	0.99
1,2-Dibromoethane		0.99	U	0.15	0.99
Dichlorodifluoromethane		0.99	U	0.22	0.99
Bromochloromethane		0.99	U	0.11	0.99
Bromodichloromethane		0.99	U	0.32	0.99

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		70 - 130
Toluene-d8 (Surr)	106		70 - 130
Bromofluorobenzene	99		70 - 130
Dibromofluoromethane (Surr)	92		70 - 130

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 top**

Lab Sample ID: 460-61467-7
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 08/15/2013 1520
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76938.D
Dilution:	1.0			Initial Weight/Volume:	5.54 g
Analysis Date:	08/21/2013 1551			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1628				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 bottom**

Lab Sample ID: 460-61467-8
Client Matrix: Solid
% Moisture: 9.2

Date Sampled: 08/15/2013 1525
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177483	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76980.D
Dilution:	1.0			Initial Weight/Volume:	4.91 g
Analysis Date:	08/22/2013 1449			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1632				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U	0.18	1.1
Bromomethane		1.1	U	0.48	1.1
Vinyl chloride		1.1	U	0.38	1.1
Chloroethane		1.1	U	0.37	1.1
Methylene Chloride		1.1	U	0.17	1.1
Acetone		11	U	1.9	11
Carbon disulfide		1.1	U	0.17	1.1
Trichlorofluoromethane		1.1	U	0.18	1.1
1,1-Dichloroethene		1.1	U	0.21	1.1
1,1-Dichloroethane		1.1	U	0.12	1.1
trans-1,2-Dichloroethene		1.1	U	0.15	1.1
cis-1,2-Dichloroethene		1.1	U	0.12	1.1
Chloroform		1.1	U	0.27	1.1
2-Butanone		11	U	0.71	11
1,2-Dichloroethane		1.1	U	0.20	1.1
1,1,1-Trichloroethane		1.1	U	0.15	1.1
Carbon tetrachloride		1.1	U	0.17	1.1
Benzene		1.1	U	0.17	1.1
Bromoform		1.1	U	0.19	1.1
Styrene		1.1	U	0.31	1.1
m&p-Xylene		2.2	U	0.66	2.2
o-Xylene		1.1	U	0.21	1.1
Ethylbenzene		1.1	U	0.19	1.1
Chlorobenzene		1.1	U	0.20	1.1
Cyclohexane		1.1	U	0.15	1.1
Isopropylbenzene		1.1	U	0.12	1.1
2-Hexanone		11	U *	0.15	11
MTBE		1.1	U	0.12	1.1
Freon TF		1.1	U	0.12	1.1
Methyl acetate		1.1	U	0.36	1.1
1,4-Dioxane		56	U	14	56
Trichloroethene		1.1	U	0.13	1.1
Toluene		1.1	U	0.16	1.1
trans-1,3-Dichloropropene		1.1	U	0.11	1.1
4-Methyl-2-pentanone		11	U	0.22	11
cis-1,3-Dichloropropene		1.1	U	0.16	1.1
1,2-Dichlorobenzene		1.1	U	0.11	1.1
1,3-Dichlorobenzene		1.1	U	0.18	1.1
1,4-Dichlorobenzene		1.1	U	0.12	1.1
1,2,4-Trichlorobenzene		1.1	U	0.21	1.1
1,2,3-Trichlorobenzene		1.1	U	0.18	1.1
1,2-Dichloropropane		1.1	U	0.17	1.1
Methylcyclohexane		1.1	U	0.11	1.1
Tetrachloroethene		1.1	U	0.13	1.1
1,2-Dibromo-3-Chloropropane		1.1	U	0.49	1.1
1,1,2,2-Tetrachloroethane		1.1	U	0.10	1.1

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 bottom**

Lab Sample ID: 460-61467-8
Client Matrix: Solid
% Moisture: 9.2

Date Sampled: 08/15/2013 1525
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177483	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76980.D
Dilution:	1.0			Initial Weight/Volume:	4.91 g
Analysis Date:	08/22/2013 1449			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1632				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		1.1	U	0.16	1.1
Dibromochloromethane		1.1	U	0.11	1.1
1,2-Dibromoethane		1.1	U	0.17	1.1
Dichlorodifluoromethane		1.1	U	0.25	1.1
Bromochloromethane		1.1	U	0.12	1.1
Bromodichloromethane		1.1	U	0.36	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
Toluene-d8 (Surr)	109		70 - 130
Bromofluorobenzene	101		70 - 130
Dibromofluoromethane (Surr)	91		70 - 130

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 bottom**

Lab Sample ID: 460-61467-8
Client Matrix: Solid
% Moisture: 9.2

Date Sampled: 08/15/2013 1525
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177483	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76980.D
Dilution:	1.0			Initial Weight/Volume:	4.91 g
Analysis Date:	08/22/2013 1449			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1632				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 top**

Lab Sample ID: 460-61467-11
Client Matrix: Solid

% Moisture: 12.6

Date Sampled: 08/15/2013 1540
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177483	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76981.D
Dilution:	1.0			Initial Weight/Volume:	5.98 g
Analysis Date:	08/22/2013 1514			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1637				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.96	U	0.15	0.96
Bromomethane		0.96	U	0.41	0.96
Vinyl chloride		0.96	U	0.33	0.96
Chloroethane		0.96	U	0.32	0.96
Methylene Chloride		0.96	U	0.14	0.96
Acetone		9.6	U	1.6	9.6
Carbon disulfide		0.96	U	0.14	0.96
Trichlorofluoromethane		0.96	U	0.15	0.96
1,1-Dichloroethene		0.96	U	0.18	0.96
1,1-Dichloroethane		0.96	U	0.11	0.96
trans-1,2-Dichloroethene		0.96	U	0.12	0.96
cis-1,2-Dichloroethene		0.96	U	0.11	0.96
Chloroform		0.96	U	0.23	0.96
2-Butanone		9.6	U	0.60	9.6
1,2-Dichloroethane		0.96	U	0.17	0.96
1,1,1-Trichloroethane		0.96	U	0.12	0.96
Carbon tetrachloride		0.96	U	0.14	0.96
Benzene		0.96	U	0.14	0.96
Bromoform		0.96	U	0.16	0.96
Styrene		0.96	U	0.27	0.96
m&p-Xylene		1.9	U	0.56	1.9
o-Xylene		0.96	U	0.18	0.96
Ethylbenzene		0.96	U	0.16	0.96
Chlorobenzene		0.96	U	0.17	0.96
Cyclohexane		0.96	U	0.12	0.96
Isopropylbenzene		0.96	U	0.11	0.96
2-Hexanone		9.6	U *	0.12	9.6
MTBE		0.96	U	0.11	0.96
Freon TF		0.96	U	0.11	0.96
Methyl acetate		0.96	U	0.31	0.96
1,4-Dioxane		48	U	12	48
Trichloroethene		0.96	U	0.11	0.96
Toluene		0.96	U	0.13	0.96
trans-1,3-Dichloropropene		0.96	U	0.096	0.96
4-Methyl-2-pentanone		9.6	U	0.19	9.6
cis-1,3-Dichloropropene		0.96	U	0.13	0.96
1,2-Dichlorobenzene		0.96	U	0.096	0.96
1,3-Dichlorobenzene		0.96	U	0.15	0.96
1,4-Dichlorobenzene		0.96	U	0.11	0.96
1,2,4-Trichlorobenzene		0.96	U	0.18	0.96
1,2,3-Trichlorobenzene		0.96	U	0.15	0.96
1,2-Dichloropropane		0.96	U	0.14	0.96
Methylcyclohexane		0.96	U	0.096	0.96
Tetrachloroethene		0.96	U	0.11	0.96
1,2-Dibromo-3-Chloropropane		0.96	U	0.42	0.96
1,1,2,2-Tetrachloroethane		0.96	U	0.086	0.96

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 top**

Lab Sample ID: 460-61467-11
Client Matrix: Solid
% Moisture: 12.6
Date Sampled: 08/15/2013 1540
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177483	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76981.D
Dilution:	1.0			Initial Weight/Volume:	5.98 g
Analysis Date:	08/22/2013 1514			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1637				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		0.96	U	0.13	0.96
Dibromochloromethane		0.96	U	0.096	0.96
1,2-Dibromoethane		0.96	U	0.14	0.96
Dichlorodifluoromethane		0.96	U	0.21	0.96
Bromochloromethane		0.96	U	0.11	0.96
Bromodichloromethane		0.96	U	0.31	0.96

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
Toluene-d8 (Surr)	109		70 - 130
Bromofluorobenzene	102		70 - 130
Dibromofluoromethane (Surr)	93		70 - 130

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 top**

Lab Sample ID: 460-61467-11
Client Matrix: Solid
% Moisture: 12.6

Date Sampled: 08/15/2013 1540
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177483	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76981.D
Dilution:	1.0			Initial Weight/Volume:	5.98 g
Analysis Date:	08/22/2013 1514			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1637				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 bottom**

Lab Sample ID: 460-61467-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 08/15/2013 1545
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76946.D
Dilution:	1.0			Initial Weight/Volume:	5.17 g
Analysis Date:	08/21/2013 1911			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1641				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U	0.17	1.1
Bromomethane		1.1	U	0.47	1.1
Vinyl chloride		1.1	U	0.37	1.1
Chloroethane		1.1	U	0.36	1.1
Methylene Chloride		1.1	U	0.16	1.1
Acetone		11	U	1.8	11
Carbon disulfide		1.1	U	0.16	1.1
Trichlorofluoromethane		1.1	U	0.17	1.1
1,1-Dichloroethene		1.1	U	0.21	1.1
1,1-Dichloroethane		1.1	U	0.12	1.1
trans-1,2-Dichloroethene		1.1	U	0.14	1.1
cis-1,2-Dichloroethene		1.1	U	0.12	1.1
Chloroform		1.1	U	0.26	1.1
2-Butanone		11	U	0.68	11
1,2-Dichloroethane		1.1	U	0.20	1.1
1,1,1-Trichloroethane		1.1	U	0.14	1.1
Carbon tetrachloride		1.1	U	0.16	1.1
Benzene		1.1	U	0.16	1.1
Bromoform		1.1	U	0.18	1.1
Styrene		1.1	U	0.30	1.1
m&p-Xylene		2.2	U	0.64	2.2
o-Xylene		1.1	U	0.21	1.1
Ethylbenzene		1.1	U	0.18	1.1
Chlorobenzene		1.1	U	0.20	1.1
Cyclohexane		1.1	U	0.14	1.1
Isopropylbenzene		1.1	U	0.12	1.1
2-Hexanone		11	U	0.14	11
MTBE		1.1	U	0.12	1.1
Freon TF		1.1	U	0.12	1.1
Methyl acetate		1.1	U	0.35	1.1
1,4-Dioxane		54	U	14	54
Trichloroethene		1.1	U	0.13	1.1
Toluene		1.1	U	0.15	1.1
trans-1,3-Dichloropropene		1.1	U	0.11	1.1
4-Methyl-2-pentanone		11	U	0.22	11
cis-1,3-Dichloropropene		1.1	U	0.15	1.1
1,2-Dichlorobenzene		1.1	U	0.11	1.1
1,3-Dichlorobenzene		1.1	U	0.17	1.1
1,4-Dichlorobenzene		1.1	U	0.12	1.1
1,2,4-Trichlorobenzene		1.1	U *	0.21	1.1
1,2,3-Trichlorobenzene		1.1	U *	0.17	1.1
1,2-Dichloropropane		1.1	U	0.16	1.1
Methylcyclohexane		1.1	U	0.11	1.1
Tetrachloroethene		1.1	U	0.13	1.1
1,2-Dibromo-3-Chloropropane		1.1	U *	0.48	1.1
1,1,2,2-Tetrachloroethane		1.1	U	0.098	1.1

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 bottom**

Lab Sample ID: 460-61467-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 08/15/2013 1545
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76946.D
Dilution:	1.0			Initial Weight/Volume:	5.17 g
Analysis Date:	08/21/2013 1911			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1641				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		1.1	U	0.15	1.1
Dibromochloromethane		1.1	U	0.11	1.1
1,2-Dibromoethane		1.1	U	0.16	1.1
Dichlorodifluoromethane		1.1	U	0.24	1.1
Bromochloromethane		1.1	U	0.12	1.1
Bromodichloromethane		1.1	U	0.35	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	70		70 - 130
Toluene-d8 (Surr)	85		70 - 130
Bromofluorobenzene	80		70 - 130
Dibromofluoromethane (Surr)	69	*	70 - 130

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 bottom**

Lab Sample ID: 460-61467-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 08/15/2013 1545
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76946.D
Dilution:	1.0			Initial Weight/Volume:	5.17 g
Analysis Date:	08/21/2013 1911			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1641				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TW-2**

Lab Sample ID: 460-61467-15
Client Matrix: Water

Date Sampled: 08/15/2013 1610
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177665	Instrument ID:	CVOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	K16627.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/23/2013 0100			Final Weight/Volume:	5 mL
Prep Date:	08/23/2013 0100				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.10	1.0
Bromomethane	1.0	U	0.18	1.0
Vinyl chloride	1.0	U	0.14	1.0
Chloroethane	1.0	U	0.17	1.0
Methylene Chloride	1.0	U	0.18	1.0
Acetone	5.0	U	2.7	5.0
Carbon disulfide	1.0	U	0.13	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
Chloroform	1.0	U	0.080	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
2-Butanone	5.0	U *	2.3	5.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Bromodichloromethane	1.0	U	0.12	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Trichloroethene	1.0	U	0.090	1.0
Dibromochloromethane	1.0	U	0.20	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
Benzene	0.11	J	0.080	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Bromoform	1.0	U	0.19	1.0
4-Methyl-2-pentanone	5.0	U	0.99	5.0
2-Hexanone	5.0	U	0.50	5.0
Tetrachloroethene	1.0	U	0.10	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
Toluene	0.38	J	0.15	1.0
Chlorobenzene	1.0	U	0.11	1.0
Ethylbenzene	1.0	U	0.10	1.0
Styrene	1.0	U	0.12	1.0
m&p-Xylene	2.0	U	0.25	2.0
o-Xylene	1.0	U	0.13	1.0
Freon TF	1.0	U	0.080	1.0
MTBE	1.0	U	0.14	1.0
Cyclohexane	1.0	U	0.16	1.0
1,2-Dibromoethane	1.0	U	0.28	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,4-Dioxane	50	U	36	50

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TW-2**

Lab Sample ID: 460-61467-15
Client Matrix: Water

Date Sampled: 08/15/2013 1610
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177665	Instrument ID:	CVOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	K16627.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/23/2013 0100			Final Weight/Volume:	5 mL
Prep Date:	08/23/2013 0100				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0
Bromochloromethane	1.0	U	0.27	1.0
Isopropylbenzene	1.0	U	0.080	1.0
Methyl acetate	2.0	U	0.34	2.0
Methylcyclohexane	1.0	U	0.14	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 130
Toluene-d8 (Surr)	105		70 - 130
Bromofluorobenzene	110		70 - 130
Dibromofluoromethane (Surr)	107		70 - 130

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TW-2**

Lab Sample ID: 460-61467-15
Client Matrix: Water

Date Sampled: 08/15/2013 1610
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177665	Instrument ID:	CVOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	K16627.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/23/2013 0100			Final Weight/Volume:	5 mL
Prep Date:	08/23/2013 0100				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TB**

Lab Sample ID: 460-61467-16TB
Client Matrix: Water

Date Sampled: 08/16/2013 0000
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177665	Instrument ID:	CVOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	K16626.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/23/2013 0037			Final Weight/Volume:	5 mL
Prep Date:	08/23/2013 0037				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.10	1.0
Bromomethane	1.0	U	0.18	1.0
Vinyl chloride	1.0	U	0.14	1.0
Chloroethane	1.0	U	0.17	1.0
Methylene Chloride	1.0	U	0.18	1.0
Acetone	5.0	U	2.7	5.0
Carbon disulfide	1.0	U	0.13	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
Chloroform	1.0	U	0.080	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
2-Butanone	5.0	U *	2.3	5.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Bromodichloromethane	1.0	U	0.12	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Trichloroethene	1.0	U	0.090	1.0
Dibromochloromethane	1.0	U	0.20	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
Benzene	1.0	U	0.080	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
Bromoform	1.0	U	0.19	1.0
4-Methyl-2-pentanone	5.0	U	0.99	5.0
2-Hexanone	5.0	U	0.50	5.0
Tetrachloroethene	1.0	U	0.10	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
Toluene	1.0	U	0.15	1.0
Chlorobenzene	1.0	U	0.11	1.0
Ethylbenzene	1.0	U	0.10	1.0
Styrene	1.0	U	0.12	1.0
m&p-Xylene	2.0	U	0.25	2.0
o-Xylene	1.0	U	0.13	1.0
Freon TF	1.0	U	0.080	1.0
MTBE	1.0	U	0.14	1.0
Cyclohexane	1.0	U	0.16	1.0
1,2-Dibromoethane	1.0	U	0.28	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
1,4-Dioxane	50	U	36	50

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TB**

Lab Sample ID: 460-61467-16TB
Client Matrix: Water

Date Sampled: 08/16/2013 0000
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177665	Instrument ID:	CVOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	K16626.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/23/2013 0037			Final Weight/Volume:	5 mL
Prep Date:	08/23/2013 0037				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0
Bromochloromethane	1.0	U	0.27	1.0
Isopropylbenzene	1.0	U	0.080	1.0
Methyl acetate	2.0	U	0.34	2.0
Methylcyclohexane	1.0	U	0.14	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
Toluene-d8 (Surr)	102		70 - 130
Bromofluorobenzene	105		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TB**

Lab Sample ID: 460-61467-16TB
Client Matrix: Water

Date Sampled: 08/16/2013 0000
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177665	Instrument ID:	CVOAMS9
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	K16626.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/23/2013 0037			Final Weight/Volume:	5 mL
Prep Date:	08/23/2013 0037				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 top**

Lab Sample ID: 460-61467-17
Client Matrix: Solid
% Moisture: 9.4
Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76947.D
Dilution:	1.0			Initial Weight/Volume:	3.32 g
Analysis Date:	08/21/2013 1936			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1646				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.7	U	0.27	1.7
Bromomethane		1.7	U	0.71	1.7
Vinyl chloride		1.7	U	0.56	1.7
Chloroethane		1.7	U	0.55	1.7
Methylene Chloride		1.7	U	0.25	1.7
Acetone		17	U	2.8	17
Carbon disulfide		1.7	U	0.25	1.7
Trichlorofluoromethane		1.7	U	0.27	1.7
1,1-Dichloroethene		1.7	U	0.32	1.7
1,1-Dichloroethane		1.7	U	0.18	1.7
trans-1,2-Dichloroethene		1.7	U	0.22	1.7
cis-1,2-Dichloroethene		1.7	U	0.18	1.7
Chloroform		1.7	U	0.40	1.7
2-Butanone		17	U	1.0	17
1,2-Dichloroethane		1.7	U	0.30	1.7
1,1,1-Trichloroethane		1.7	U	0.22	1.7
Carbon tetrachloride		1.7	U	0.25	1.7
Benzene		1.7	U	0.25	1.7
Bromoform		1.7	U	0.28	1.7
Styrene		1.7	U	0.47	1.7
m&p-Xylene		3.3	U	0.98	3.3
o-Xylene		1.7	U	0.32	1.7
Ethylbenzene		1.7	U	0.28	1.7
Chlorobenzene		1.7	U	0.30	1.7
Cyclohexane		1.7	U	0.22	1.7
Isopropylbenzene		1.7	U	0.18	1.7
2-Hexanone		17	U	0.22	17
MTBE		1.7	U	0.18	1.7
Freon TF		1.7	U	0.18	1.7
Methyl acetate		1.7	U	0.53	1.7
1,4-Dioxane		83	U	21	83
Trichloroethene		1.7	U	0.20	1.7
Toluene		1.7	U	0.23	1.7
trans-1,3-Dichloropropene		1.7	U	0.17	1.7
4-Methyl-2-pentanone		17	U	0.33	17
cis-1,3-Dichloropropene		1.7	U	0.23	1.7
1,2-Dichlorobenzene		1.7	U	0.17	1.7
1,3-Dichlorobenzene		1.7	U	0.27	1.7
1,4-Dichlorobenzene		1.7	U	0.18	1.7
1,2,4-Trichlorobenzene		1.7	U *	0.32	1.7
1,2,3-Trichlorobenzene		1.7	U *	0.27	1.7
1,2-Dichloropropane		1.7	U	0.25	1.7
Methylcyclohexane		1.7	U	0.17	1.7
Tetrachloroethene		1.7	U	0.20	1.7
1,2-Dibromo-3-Chloropropane		1.7	U *	0.73	1.7
1,1,2,2-Tetrachloroethane		1.7	U	0.15	1.7

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 top**

Lab Sample ID: 460-61467-17
Client Matrix: Solid
% Moisture: 9.4
Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76947.D
Dilution:	1.0			Initial Weight/Volume:	3.32 g
Analysis Date:	08/21/2013 1936			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1646				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		1.7	U	0.23	1.7
Dibromochloromethane		1.7	U	0.17	1.7
1,2-Dibromoethane		1.7	U	0.25	1.7
Dichlorodifluoromethane		1.7	U	0.37	1.7
Bromochloromethane		1.7	U	0.18	1.7
Bromodichloromethane		1.7	U	0.53	1.7

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 130
Toluene-d8 (Surr)	109		70 - 130
Bromofluorobenzene	101		70 - 130
Dibromofluoromethane (Surr)	91		70 - 130

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 top**

Lab Sample ID: 460-61467-17
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76947.D
Dilution:	1.0			Initial Weight/Volume:	3.32 g
Analysis Date:	08/21/2013 1936			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1646				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
629-50-5	Tridecane	13.85	17	J N
90-12-0	Naphthalene, 1-methyl-	14.35	23	J N
629-59-4	Tetradecane	14.56	26	J N
42775-75-7	Naphthalene, 5-ethyl-1,2,3,4-tetrahydro-	14.63	14	J N
1076-61-5	Naphthalene, 1,2,3,4-tetrahydro-6,7-dime	14.88	25	J N
6165-40-8	Pentadecane, 7-methyl-	14.96	17	J N
	Unknown	15.04	15	J
571-61-9	Naphthalene, 1,5-dimethyl-	15.11	18	J N
629-62-9	Pentadecane	15.18	16	J N
571-58-4	Naphthalene, 1,4-dimethyl-	15.21	25	J N

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 bottom**

Lab Sample ID: 460-61467-18
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177495	Instrument ID:	CVOAMS2
Prep Method:	5035	Prep Batch:	460-176682	Lab File ID:	B59906.D
Dilution:	50			Initial Weight/Volume:	4.98 g
Analysis Date:	08/22/2013 1914			Final Weight/Volume:	10 mL
Prep Date:	08/17/2013 1643				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		120	U	11	120
Bromomethane		120	U	22	120
Vinyl chloride		120	U	17	120
Chloroethane		120	U	20	120
Methylene Chloride		120	U	22	120
Acetone		590	U	320	590
Carbon disulfide		120	U	15	120
Trichlorofluoromethane		120	U	17	120
1,1-Dichloroethene		120	U	10	120
1,1-Dichloroethane		120	U	15	120
trans-1,2-Dichloroethene		120	U	15	120
cis-1,2-Dichloroethene		120	U	21	120
Chloroform		120	U	9.3	120
2-Butanone		590	U	280	590
1,2-Dichloroethane		120	U	22	120
1,1,1-Trichloroethane		120	U	7.4	120
Carbon tetrachloride		120	U	6.8	120
Benzene		120		9.8	120
Bromoform		120	U	23	120
Styrene		120	U	14	120
m&p-Xylene		9700		29	240
o-Xylene		1200		15	120
Ethylbenzene		7100		11	120
Chlorobenzene		120	U	13	120
Cyclohexane		4100	*	19	120
Isopropylbenzene		3200		9.1	120
2-Hexanone		590	U	59	590
MTBE		120	U	16	120
Freon TF		120	U	9.7	120
Methyl acetate		240	U	40	240
1,4-Dioxane		5900	U	4300	5900
Trichloroethene		120	U	11	120
Toluene		120	U	18	120
trans-1,3-Dichloropropene		120	U	29	120
4-Methyl-2-pentanone		590	U	120	590
cis-1,3-Dichloropropene		120	U	22	120
1,2-Dichlorobenzene		120	U	24	120
1,3-Dichlorobenzene		120	U	16	120
1,4-Dichlorobenzene		120	U	28	120
1,2,4-Trichlorobenzene		120	U	41	120
1,2,3-Trichlorobenzene		120	U	61	120
1,2-Dichloropropane		120	U	10	120
Methylcyclohexane		15000	*	16	120
Tetrachloroethene		120	U	12	120
1,2-Dibromo-3-Chloropropane		120	U	47	120
1,1,2,2-Tetrachloroethane		120	U	19	120

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 bottom**

Lab Sample ID: 460-61467-18
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177495	Instrument ID:	CVOAMS2
Prep Method:	5035	Prep Batch:	460-176682	Lab File ID:	B59906.D
Dilution:	50			Initial Weight/Volume:	4.98 g
Analysis Date:	08/22/2013 1914			Final Weight/Volume:	10 mL
Prep Date:	08/17/2013 1643				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		120	U	22	120
Dibromochloromethane		48	J	24	120
1,2-Dibromoethane		120	U	33	120
Dichlorodifluoromethane		120	U	26	120
Bromochloromethane		120	U	32	120
Bromodichloromethane		120	U	15	120

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		75 - 135
Toluene-d8 (Surr)	83		59 - 150
Bromofluorobenzene	104		72 - 133
Dibromofluoromethane (Surr)	91		70 - 130

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 bottom**

Lab Sample ID: 460-61467-18
Client Matrix: Solid
% Moisture: 15.4

Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177495	Instrument ID:	CVOAMS2
Prep Method:	5035	Prep Batch:	460-176682	Lab File ID:	B59906.D
Dilution:	50			Initial Weight/Volume:	4.98 g
Analysis Date:	08/22/2013 1914			Final Weight/Volume:	10 mL
Prep Date:	08/17/2013 1643				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
611-14-3	Benzene, 1-ethyl-2-methyl-	10.15	37000	J N
95-63-6	Benzene, 1,2,4-trimethyl-	10.52	52000	J N
526-73-8	Benzene, 1,2,3-trimethyl-	10.85	27000	J N
135-98-8	Benzene, (1-methylpropyl)-	11.02	31000	J N
105-05-5	Benzene, 1,4-diethyl-	11.07	42000	J N
824-90-8	1-Phenyl-1-butene	11.46	32000	J N
488-23-3	Benzene, 1,2,3,4-tetramethyl-	11.72	28000	J N
874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	11.93	27000	J N
535-77-3	Benzene, 1-methyl-3-(1-methylethyl)-	12.05	47000	J N
4175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethyl-	12.42	30000	J N

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 top**

Lab Sample ID: 460-61467-21
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76948.D
Dilution:	1.0			Initial Weight/Volume:	3.71 g
Analysis Date:	08/21/2013 2001			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1655				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.5	U	0.25	1.5
Bromomethane		1.5	U	0.66	1.5
Vinyl chloride		1.5	U	0.52	1.5
Chloroethane		1.5	U	0.51	1.5
Methylene Chloride		1.5	U	0.23	1.5
Acetone		15	U	2.6	15
Carbon disulfide		1.5	U	0.23	1.5
Trichlorofluoromethane		1.5	U	0.25	1.5
1,1-Dichloroethene		1.5	U	0.29	1.5
1,1-Dichloroethane		1.5	U	0.17	1.5
trans-1,2-Dichloroethene		1.5	U	0.20	1.5
cis-1,2-Dichloroethene		1.5	U	0.17	1.5
Chloroform		1.5	U	0.37	1.5
2-Butanone		15	U	0.97	15
1,2-Dichloroethane		1.5	U	0.28	1.5
1,1,1-Trichloroethane		1.5	U	0.20	1.5
Carbon tetrachloride		1.5	U	0.23	1.5
Benzene		1.5	U	0.23	1.5
Bromoform		1.5	U	0.26	1.5
Styrene		1.5	U	0.43	1.5
m&p-Xylene		3.1	U	0.91	3.1
o-Xylene		1.5	U	0.29	1.5
Ethylbenzene		1.5	U	0.26	1.5
Chlorobenzene		1.5	U	0.28	1.5
Cyclohexane		1.5	U	0.20	1.5
Isopropylbenzene		1.5	U	0.17	1.5
2-Hexanone		15	U	0.20	15
MTBE		1.5	U	0.17	1.5
Freon TF		1.5	U	0.17	1.5
Methyl acetate		1.5	U	0.49	1.5
1,4-Dioxane		77	U	19	77
Trichloroethene		1.5	U	0.18	1.5
Toluene		1.5	U	0.21	1.5
trans-1,3-Dichloropropene		1.5	U	0.15	1.5
4-Methyl-2-pentanone		15	U	0.31	15
cis-1,3-Dichloropropene		1.5	U	0.21	1.5
1,2-Dichlorobenzene		1.5	U	0.15	1.5
1,3-Dichlorobenzene		1.5	U	0.25	1.5
1,4-Dichlorobenzene		1.5	U	0.17	1.5
1,2,4-Trichlorobenzene		1.5	U *	0.29	1.5
1,2,3-Trichlorobenzene		1.5	U *	0.25	1.5
1,2-Dichloropropane		1.5	U	0.23	1.5
Methylcyclohexane		1.5	U	0.15	1.5
Tetrachloroethene		1.5	U	0.18	1.5
1,2-Dibromo-3-Chloropropane		1.5	U *	0.68	1.5
1,1,2,2-Tetrachloroethane		1.5	U	0.14	1.5

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 top**

Lab Sample ID: 460-61467-21
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76948.D
Dilution:	1.0			Initial Weight/Volume:	3.71 g
Analysis Date:	08/21/2013 2001			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1655				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		1.5	U	0.21	1.5
Dibromochloromethane		1.5	U	0.15	1.5
1,2-Dibromoethane		1.5	U	0.23	1.5
Dichlorodifluoromethane		1.5	U	0.34	1.5
Bromochloromethane		1.5	U	0.17	1.5
Bromodichloromethane		1.5	U	0.49	1.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		70 - 130
Toluene-d8 (Surr)	109		70 - 130
Bromofluorobenzene	102		70 - 130
Dibromofluoromethane (Surr)	90		70 - 130

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 top**

Lab Sample ID: 460-61467-21
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76948.D
Dilution:	1.0			Initial Weight/Volume:	3.71 g
Analysis Date:	08/21/2013 2001			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1655				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 bottom**

Lab Sample ID: 460-61467-22
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76949.D
Dilution:	1.0			Initial Weight/Volume:	4.80 g
Analysis Date:	08/21/2013 2026			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1659				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.2	U	0.19	1.2
Bromomethane		1.2	U	0.50	1.2
Vinyl chloride		1.2	U	0.39	1.2
Chloroethane		1.2	U	0.38	1.2
Methylene Chloride		1.2	U	0.17	1.2
Acetone		12	U	2.0	12
Carbon disulfide		1.2	U	0.17	1.2
Trichlorofluoromethane		1.2	U	0.19	1.2
1,1-Dichloroethene		1.2	U	0.22	1.2
1,1-Dichloroethane		1.2	U	0.13	1.2
trans-1,2-Dichloroethene		1.2	U	0.15	1.2
cis-1,2-Dichloroethene		1.2	U	0.13	1.2
Chloroform		1.2	U	0.28	1.2
2-Butanone		12	U	0.73	12
1,2-Dichloroethane		1.2	U	0.21	1.2
1,1,1-Trichloroethane		1.2	U	0.15	1.2
Carbon tetrachloride		1.2	U	0.17	1.2
Benzene		1.2	U	0.17	1.2
Bromoform		1.2	U	0.20	1.2
Styrene		1.2	U	0.32	1.2
m&p-Xylene		2.3	U	0.68	2.3
o-Xylene		1.2	U	0.22	1.2
Ethylbenzene		1.2	U	0.20	1.2
Chlorobenzene		1.2	U	0.21	1.2
Cyclohexane		1.2	U	0.15	1.2
Isopropylbenzene		1.2	U	0.13	1.2
2-Hexanone		12	U	0.15	12
MTBE		1.2	U	0.13	1.2
Freon TF		1.2	U	0.13	1.2
Methyl acetate		1.2	U	0.37	1.2
1,4-Dioxane		58	U	15	58
Trichloroethene		1.2	U	0.14	1.2
Toluene		1.2	U	0.16	1.2
trans-1,3-Dichloropropene		1.2	U	0.12	1.2
4-Methyl-2-pentanone		12	U	0.23	12
cis-1,3-Dichloropropene		1.2	U	0.16	1.2
1,2-Dichlorobenzene		1.2	U	0.12	1.2
1,3-Dichlorobenzene		1.2	U	0.19	1.2
1,4-Dichlorobenzene		1.2	U	0.13	1.2
1,2,4-Trichlorobenzene		1.2	U *	0.22	1.2
1,2,3-Trichlorobenzene		1.2	U *	0.19	1.2
1,2-Dichloropropane		1.2	U	0.17	1.2
Methylcyclohexane		1.2	U	0.12	1.2
Tetrachloroethene		1.2	U	0.14	1.2
1,2-Dibromo-3-Chloropropane		1.2	U *	0.51	1.2
1,1,2,2-Tetrachloroethane		1.2	U	0.10	1.2

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 bottom**

Lab Sample ID: 460-61467-22
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76949.D
Dilution:	1.0			Initial Weight/Volume:	4.80 g
Analysis Date:	08/21/2013 2026			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1659				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		1.2	U	0.16	1.2
Dibromochloromethane		1.2	U	0.12	1.2
1,2-Dibromoethane		1.2	U	0.17	1.2
Dichlorodifluoromethane		1.2	U	0.26	1.2
Bromochloromethane		1.2	U	0.13	1.2
Bromodichloromethane		1.2	U	0.37	1.2

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
Toluene-d8 (Surr)	108		70 - 130
Bromofluorobenzene	102		70 - 130
Dibromofluoromethane (Surr)	90		70 - 130

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 bottom**

Lab Sample ID: 460-61467-22
Client Matrix: Solid
% Moisture: 10.1

Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76949.D
Dilution:	1.0			Initial Weight/Volume:	4.80 g
Analysis Date:	08/21/2013 2026			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1659				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 top**

Lab Sample ID: 460-61467-25
Client Matrix: Solid

% Moisture: 15.4

Date Sampled: 08/16/2013 1130
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76950.D
Dilution:	1.0			Initial Weight/Volume:	5.99 g
Analysis Date:	08/21/2013 2050			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1704				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.99	U	0.16	0.99
Bromomethane		0.99	U	0.42	0.99
Vinyl chloride		0.99	U	0.34	0.99
Chloroethane		0.99	U	0.33	0.99
Methylene Chloride		0.99	U	0.15	0.99
Acetone		9.9	U	1.7	9.9
Carbon disulfide		0.99	U	0.15	0.99
Trichlorofluoromethane		0.99	U	0.16	0.99
1,1-Dichloroethene		0.99	U	0.19	0.99
1,1-Dichloroethane		0.99	U	0.11	0.99
trans-1,2-Dichloroethene		0.99	U	0.13	0.99
cis-1,2-Dichloroethene		0.99	U	0.11	0.99
Chloroform		0.99	U	0.24	0.99
2-Butanone		9.9	U	0.62	9.9
1,2-Dichloroethane		0.99	U	0.18	0.99
1,1,1-Trichloroethane		0.99	U	0.13	0.99
Carbon tetrachloride		0.99	U	0.15	0.99
Benzene		0.99	U	0.15	0.99
Bromoform		0.99	U	0.17	0.99
Styrene		0.99	U	0.28	0.99
m&p-Xylene		2.0	U	0.58	2.0
o-Xylene		0.99	U	0.19	0.99
Ethylbenzene		0.99	U	0.17	0.99
Chlorobenzene		0.99	U	0.18	0.99
Cyclohexane		0.99	U	0.13	0.99
Isopropylbenzene		0.99	U	0.11	0.99
2-Hexanone		9.9	U	0.13	9.9
MTBE		0.99	U	0.11	0.99
Freon TF		0.99	U	0.11	0.99
Methyl acetate		0.99	U	0.32	0.99
1,4-Dioxane		49	U	13	49
Trichloroethene		0.99	U	0.12	0.99
Toluene		0.99	U	0.14	0.99
trans-1,3-Dichloropropene		0.99	U	0.099	0.99
4-Methyl-2-pentanone		9.9	U	0.20	9.9
cis-1,3-Dichloropropene		0.99	U	0.14	0.99
1,2-Dichlorobenzene		0.99	U	0.099	0.99
1,3-Dichlorobenzene		0.99	U	0.16	0.99
1,4-Dichlorobenzene		0.99	U	0.11	0.99
1,2,4-Trichlorobenzene		0.99	U *	0.19	0.99
1,2,3-Trichlorobenzene		0.99	U *	0.16	0.99
1,2-Dichloropropane		0.99	U	0.15	0.99
Methylcyclohexane		0.99	U	0.099	0.99
Tetrachloroethene		0.99	U	0.12	0.99
1,2-Dibromo-3-Chloropropane		0.99	U *	0.43	0.99
1,1,2,2-Tetrachloroethane		0.99	U	0.089	0.99

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 top**

Lab Sample ID: 460-61467-25
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 08/16/2013 1130
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76950.D
Dilution:	1.0			Initial Weight/Volume:	5.99 g
Analysis Date:	08/21/2013 2050			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1704				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		0.99	U	0.14	0.99
Dibromochloromethane		0.99	U	0.099	0.99
1,2-Dibromoethane		0.99	U	0.15	0.99
Dichlorodifluoromethane		0.99	U	0.22	0.99
Bromochloromethane		0.99	U	0.11	0.99
Bromodichloromethane		0.99	U	0.32	0.99

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
Toluene-d8 (Surr)	110		70 - 130
Bromofluorobenzene	103		70 - 130
Dibromofluoromethane (Surr)	94		70 - 130

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 top**

Lab Sample ID: 460-61467-25
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 08/16/2013 1130
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-176684	Lab File ID:	O76950.D
Dilution:	1.0			Initial Weight/Volume:	5.99 g
Analysis Date:	08/21/2013 2050			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 1704				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 bottom**

Lab Sample ID: 460-61467-26
Client Matrix: Solid
% Moisture: 16.6
Date Sampled: 08/16/2013 1135
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-178287	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-177937	Lab File ID:	O77158.D
Dilution:	1.0			Initial Weight/Volume:	5.45 g
Analysis Date:	08/27/2013 1242			Final Weight/Volume:	5 g
Prep Date:	08/24/2013 1855				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		1.1	U H	0.18	1.1
Bromomethane		1.1	U H	0.47	1.1
Vinyl chloride		1.1	U H	0.37	1.1
Chloroethane		1.1	U H	0.36	1.1
Methylene Chloride		1.1	U H	0.17	1.1
Acetone		11	U H	1.9	11
Carbon disulfide		1.1	U H	0.17	1.1
Trichlorofluoromethane		1.1	U H	0.18	1.1
1,1-Dichloroethene		1.1	U H	0.21	1.1
1,1-Dichloroethane		1.1	U H	0.12	1.1
trans-1,2-Dichloroethene		1.1	U H	0.14	1.1
cis-1,2-Dichloroethene		1.1	U H	0.12	1.1
Chloroform		1.1	U H	0.26	1.1
2-Butanone		11	U H	0.69	11
1,2-Dichloroethane		1.1	U H	0.20	1.1
1,1,1-Trichloroethane		1.1	U H	0.14	1.1
Carbon tetrachloride		1.1	U H	0.17	1.1
Benzene		1.1	U H	0.17	1.1
Bromoform		1.1	U H	0.19	1.1
Styrene		1.1	U H	0.31	1.1
m&p-Xylene		2.2	U H	0.65	2.2
o-Xylene		1.1	U H	0.21	1.1
Ethylbenzene		1.1	U H	0.19	1.1
Chlorobenzene		1.1	U H	0.20	1.1
Cyclohexane		1.1	U H	0.14	1.1
Isopropylbenzene		1.1	U H	0.12	1.1
2-Hexanone		11	U H	0.14	11
MTBE		1.1	U H	0.12	1.1
Freon TF		1.1	U H	0.12	1.1
Methyl acetate		1.1	U H	0.35	1.1
1,4-Dioxane		55	U H *	14	55
Trichloroethene		1.1	U H	0.13	1.1
Toluene		1.1	U H	0.15	1.1
trans-1,3-Dichloropropene		1.1	U H	0.11	1.1
4-Methyl-2-pentanone		11	U H	0.22	11
cis-1,3-Dichloropropene		1.1	U H	0.15	1.1
1,2-Dichlorobenzene		1.1	U H	0.11	1.1
1,3-Dichlorobenzene		1.1	U H	0.18	1.1
1,4-Dichlorobenzene		1.1	U H	0.12	1.1
1,2,4-Trichlorobenzene		1.1	U H	0.21	1.1
1,2,3-Trichlorobenzene		1.1	U H	0.18	1.1
1,2-Dichloropropane		1.1	U H	0.17	1.1
Methylcyclohexane		1.1	U H	0.11	1.1
Tetrachloroethene		1.1	U H	0.13	1.1
1,2-Dibromo-3-Chloropropane		1.1	U H	0.48	1.1
1,1,2,2-Tetrachloroethane		1.1	U H	0.099	1.1

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 bottom**

Lab Sample ID: 460-61467-26
Client Matrix: Solid
% Moisture: 16.6
Date Sampled: 08/16/2013 1135
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-178287	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-177937	Lab File ID:	O77158.D
Dilution:	1.0			Initial Weight/Volume:	5.45 g
Analysis Date:	08/27/2013 1242			Final Weight/Volume:	5 g
Prep Date:	08/24/2013 1855				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		1.1	U H	0.15	1.1
Dibromochloromethane		1.1	U H	0.11	1.1
1,2-Dibromoethane		1.1	U H	0.17	1.1
Dichlorodifluoromethane		1.1	U H	0.24	1.1
Bromochloromethane		1.1	U H	0.12	1.1
Bromodichloromethane		1.1	U H	0.35	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
Toluene-d8 (Surr)	107		70 - 130
Bromofluorobenzene	105		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 bottom**

Lab Sample ID: 460-61467-26
Client Matrix: Solid
% Moisture: 16.6
Date Sampled: 08/16/2013 1135
Date Received: 08/16/2013 1640

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-178287	Instrument ID:	CVOAMS12
Prep Method:	5035	Prep Batch:	460-177937	Lab File ID:	O77158.D
Dilution:	1.0			Initial Weight/Volume:	5.45 g
Analysis Date:	08/27/2013 1242			Final Weight/Volume:	5 g
Prep Date:	08/24/2013 1855				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	H

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-2**

Lab Sample ID: 460-61467-2
Client Matrix: Solid
% Moisture: 14.9

Date Sampled: 08/16/2013 0802
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11946.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/21/2013 0138			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		390	U	52	390
2-Chlorophenol		390	U	51	390
2-Methylphenol		390	U	66	390
4-Methylphenol		390	U	76	390
Benzaldehyde		390	U	46	390
Acetophenone		390	U	60	390
Bis(2-chloroethyl)ether		39	U	5.3	39
2,2'-oxybis[1-chloropropane]		390	U	43	390
N-Nitrosodi-n-propylamine		39	U	6.5	39
Nitrobenzene		39	U	5.5	39
Hexachloroethane		39	U	4.3	39
Isophorone		390	U	47	390
2-Nitrophenol		390	U	43	390
2,4-Dimethylphenol		390	U	96	390
2,4-Dichlorophenol		390	U	57	390
Bis(2-chloroethoxy)methane		390	U	50	390
Naphthalene		390	U	45	390
4-Chloroaniline		390	U	100	390
Hexachlorobutadiene		79	U	9.5	79
Caprolactam		390	U	90	390
4-Chloro-3-methylphenol		390	U	59	390
2-Methylnaphthalene		390	U	50	390
Hexachlorobenzene		39	U	5.3	39
Hexachlorocyclopentadiene		390	U	46	390
2,4,6-Trichlorophenol		390	U	45	390
2,4,5-Trichlorophenol		390	U	50	390
Diphenyl		390	U	52	390
2-Chloronaphthalene		390	U	43	390
2-Nitroaniline		790	U	160	790
2,6-Dinitrotoluene		79	U	12	79
Dimethyl phthalate		390	U	46	390
Acenaphthylene		390	U	46	390
3-Nitroaniline		790	U	140	790
Acenaphthene		140	J	57	390
4-Nitrophenol		1200	U	250	1200
2,4-Dinitrophenol		1200	U	220	1200
Dibenzofuran		390	U	46	390
Diethyl phthalate		390	U	46	390
Fluorene		78	J	50	390
Fluoranthene		1200		52	390
Di-n-butyl phthalate		370	J	48	390
2,4-Dinitrotoluene		79	U	13	79
4-Chlorophenyl phenyl ether		390	U	46	390
4-Nitroaniline		790	U	120	790
4,6-Dinitro-2-methylphenol		1200	U	110	1200
4-Bromophenyl phenyl ether		390	U	39	390

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-2**

Lab Sample ID: 460-61467-2
Client Matrix: Solid
% Moisture: 14.9

Date Sampled: 08/16/2013 0802
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	l11946.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/21/2013 0138			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		390	U	60	390
Anthracene		170	J	47	390
Carbazole		110	J	46	390
Phenanthrene		810		49	390
Pentachlorophenol		1200	U	120	1200
Pyrene		890		33	390
Chrysene		590		45	390
Benzo[k]fluoranthene		300		2.9	39
Benzo[g,h,i]perylene		160	J	29	390
Benzo[b]fluoranthene		890		2.5	39
Benzo[a]pyrene		550		2.7	39
Benzo[a]anthracene		520		2.7	39
N-Nitrosodiphenylamine		390	U	38	390
Butyl benzyl phthalate		86	J	36	390
Bis(2-ethylhexyl) phthalate		430		130	390
Di-n-octyl phthalate		390	U	25	390
Indeno[1,2,3-cd]pyrene		170		7.2	39
Dibenz(a,h)anthracene		46		4.9	39
3,3'-Dichlorobenzidine		790	U	140	790
1,2,4,5-Tetrachlorobenzene		390	U *	52	390
2,3,4,6-Tetrachlorophenol		390	U	51	390

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	75		38 - 105
Phenol-d5	70		41 - 118
Terphenyl-d14	68		16 - 151
2,4,6-Tribromophenol	71		10 - 120
2-Fluorophenol	69		37 - 125
2-Fluorobiphenyl	82		40 - 109

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-2**

Lab Sample ID: 460-61467-2
Client Matrix: Solid
% Moisture: 14.9

Date Sampled: 08/16/2013 0802
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11946.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/21/2013 0138			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **7**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
2136-72-3	Ethanol, 2-(octadecyloxy)-	11.77	600	J N
593-49-7	Heptacosane	12.66	1400	J N
198-55-0	Perylene	12.69	960	J N
67860-04-2	Oxirane, heptadecyl-	13.33	610	J N
55124-79-3	Heptadecane, 9-hexyl-	13.60	1700	J N
83-47-6	.gamma.-Sitosterol	14.79	720	J N
1058-61-3	Stigmast-4-en-3-one	15.42	510	J N

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-4**

Lab Sample ID: 460-61467-4
Client Matrix: Solid
% Moisture: 4.2
Date Sampled: 08/16/2013 0806
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11945.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/21/2013 0111			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		340	U	46	340
2-Chlorophenol		340	U	45	340
2-Methylphenol		340	U	59	340
4-Methylphenol		340	U	68	340
Benzaldehyde		340	U	41	340
Acetophenone		340	U	53	340
Bis(2-chloroethyl)ether		34	U	4.7	34
2,2'-oxybis[1-chloropropane]		340	U	38	340
N-Nitrosodi-n-propylamine		34	U	5.7	34
Nitrobenzene		34	U	4.9	34
Hexachloroethane		34	U	3.8	34
Isophorone		340	U	42	340
2-Nitrophenol		340	U	38	340
2,4-Dimethylphenol		340	U	85	340
2,4-Dichlorophenol		340	U	50	340
Bis(2-chloroethoxy)methane		340	U	44	340
Naphthalene		340	U	40	340
4-Chloroaniline		340	U	91	340
Hexachlorobutadiene		70	U	8.4	70
Caprolactam		340	U	79	340
4-Chloro-3-methylphenol		340	U	52	340
2-Methylnaphthalene		340	U	44	340
Hexachlorobenzene		34	U	4.7	34
Hexachlorocyclopentadiene		340	U	41	340
2,4,6-Trichlorophenol		340	U	40	340
2,4,5-Trichlorophenol		340	U	44	340
Diphenyl		340	U	46	340
2-Chloronaphthalene		340	U	38	340
2-Nitroaniline		700	U	140	700
2,6-Dinitrotoluene		70	U	10	70
Dimethyl phthalate		340	U	41	340
Acenaphthylene		340	U	41	340
3-Nitroaniline		700	U	120	700
Acenaphthene		340	U	50	340
4-Nitrophenol		1000	U	220	1000
2,4-Dinitrophenol		1000	U	200	1000
Dibenzofuran		340	U	40	340
Diethyl phthalate		340	U	41	340
Fluorene		340	U	44	340
Fluoranthene		180	J	46	340
Di-n-butyl phthalate		220	J	42	340
2,4-Dinitrotoluene		70	U	11	70
4-Chlorophenyl phenyl ether		340	U	40	340
4-Nitroaniline		700	U	110	700
4,6-Dinitro-2-methylphenol		1000	U	94	1000
4-Bromophenyl phenyl ether		340	U	34	340

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-4**

Lab Sample ID: 460-61467-4
Client Matrix: Solid
% Moisture: 4.2
Date Sampled: 08/16/2013 0806
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11945.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/21/2013 0111			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		340	U	53	340
Anthracene		340	U	42	340
Carbazole		340	U	41	340
Phenanthrene		100	J	44	340
Pentachlorophenol		1000	U	100	1000
Pyrene		130	J	29	340
Chrysene		110	J	40	340
Benzo[k]fluoranthene		68		2.6	34
Benzo[g,h,i]perylene		34	J	26	340
Benzo[b]fluoranthene		160		2.2	34
Benzo[a]pyrene		100		2.4	34
Benzo[a]anthracene		89		2.4	34
N-Nitrosodiphenylamine		340	U	34	340
Butyl benzyl phthalate		340	U	32	340
Bis(2-ethylhexyl) phthalate		150	J	110	340
Di-n-octyl phthalate		340	U	22	340
Indeno[1,2,3-cd]pyrene		32	J	6.4	34
Dibenz(a,h)anthracene		9.5	J	4.3	34
3,3'-Dichlorobenzidine		700	U	120	700
1,2,4,5-Tetrachlorobenzene		340	U *	46	340
2,3,4,6-Tetrachlorophenol		340	U	45	340

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	76		38 - 105
Phenol-d5	69		41 - 118
Terphenyl-d14	70		16 - 151
2,4,6-Tribromophenol	69		10 - 120
2-Fluorophenol	69		37 - 125
2-Fluorobiphenyl	82		40 - 109

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-4**

Lab Sample ID: 460-61467-4
Client Matrix: Solid
% Moisture: 4.2

Date Sampled: 08/16/2013 0806
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11945.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/21/2013 0111			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
35599-77-0	Tridecane, 1-iodo-	11.77	310	J N
593-45-3	Octadecane	12.65	370	J N

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-6**

Lab Sample ID: 460-61467-6
Client Matrix: Solid
% Moisture: 4.8
Date Sampled: 08/16/2013 0810
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11951.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/21/2013 0356			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		350	U	47	350
2-Chlorophenol		350	U	46	350
2-Methylphenol		350	U	59	350
4-Methylphenol		150	J	68	350
Benzaldehyde		350	U	41	350
Acetophenone		350	U	53	350
Bis(2-chloroethyl)ether		35	U	4.7	35
2,2'-oxybis[1-chloropropane]		350	U	38	350
N-Nitrosodi-n-propylamine		35	U	5.8	35
Nitrobenzene		35	U	4.9	35
Hexachloroethane		35	U	3.9	35
Isophorone		350	U	42	350
2-Nitrophenol		350	U	39	350
2,4-Dimethylphenol		350	U	86	350
2,4-Dichlorophenol		350	U	51	350
Bis(2-chloroethoxy)methane		350	U	45	350
Naphthalene		350	U	40	350
4-Chloroaniline		350	U	92	350
Hexachlorobutadiene		70	U	8.5	70
Caprolactam		350	U	80	350
4-Chloro-3-methylphenol		350	U	52	350
2-Methylnaphthalene		350	U	45	350
Hexachlorobenzene		35	U	4.7	35
Hexachlorocyclopentadiene		350	U	41	350
2,4,6-Trichlorophenol		350	U	41	350
2,4,5-Trichlorophenol		350	U	45	350
Diphenyl		350	U	47	350
2-Chloronaphthalene		350	U	39	350
2-Nitroaniline		700	U	140	700
2,6-Dinitrotoluene		70	U	10	70
Dimethyl phthalate		350	U	41	350
Acenaphthylene		79	J	41	350
3-Nitroaniline		700	U	120	700
Acenaphthene		72	J	51	350
4-Nitrophenol		1100	U	220	1100
2,4-Dinitrophenol		1100	U	200	1100
Dibenzofuran		60	J	41	350
Diethyl phthalate		350	U	41	350
Fluorene		65	J	44	350
Fluoranthene		1600		46	350
Di-n-butyl phthalate		430		43	350
2,4-Dinitrotoluene		70	U	11	70
4-Chlorophenyl phenyl ether		350	U	41	350
4-Nitroaniline		700	U	110	700
4,6-Dinitro-2-methylphenol		1100	U	95	1100
4-Bromophenyl phenyl ether		350	U	34	350

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-6**

Lab Sample ID: 460-61467-6
Client Matrix: Solid
% Moisture: 4.8
Date Sampled: 08/16/2013 0810
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11951.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/21/2013 0356			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		350	U	54	350
Anthracene		220	J	42	350
Carbazole		95	J	41	350
Phenanthrene		970		44	350
Pentachlorophenol		1100	U	100	1100
Pyrene		1500		29	350
Chrysene		720		41	350
Benzo[k]fluoranthene		370		2.6	35
Benzo[g,h,i]perylene		190	J	26	350
Benzo[b]fluoranthene		1100		2.2	35
Benzo[a]pyrene		710		2.5	35
Benzo[a]anthracene		680		2.4	35
N-Nitrosodiphenylamine		350	U	34	350
Butyl benzyl phthalate		50	J	32	350
Bis(2-ethylhexyl) phthalate		760		120	350
Di-n-octyl phthalate		350	U	22	350
Indeno[1,2,3-cd]pyrene		190		6.5	35
Dibenz(a,h)anthracene		61		4.4	35
3,3'-Dichlorobenzidine		700	U	120	700
1,2,4,5-Tetrachlorobenzene		350	U *	47	350
2,3,4,6-Tetrachlorophenol		350	U	45	350

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	75		38 - 105
Phenol-d5	76		41 - 118
Terphenyl-d14	86		16 - 151
2,4,6-Tribromophenol	88		10 - 120
2-Fluorophenol	73		37 - 125
2-Fluorobiphenyl	78		40 - 109

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-6**

Lab Sample ID: 460-61467-6
Client Matrix: Solid
% Moisture: 4.8

Date Sampled: 08/16/2013 0810
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11951.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/21/2013 0356			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **9**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
2416-20-8	Hexadecenoic acid, Z-11-	8.92	560	J N
74685-33-9	3-Eicosene, (E)-	10.96	290	J N
27519-02-4	9-Tricosene, (Z)-	11.79	440	J N
593-45-3	Octadecane	12.66	640	J N
198-55-0	Perylene	12.70	750	J N
57866-08-7	Tetracosanal	13.33	400	J N
638-67-5	Tricosane	13.60	810	J N
83-48-7	Stigmasterol	14.49	400	J N
83-47-6	.gamma.-Sitosterol	14.79	520	J N

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 top**

Lab Sample ID: 460-61467-7
Client Matrix: Solid

% Moisture: 8.8

Date Sampled: 08/15/2013 1520
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11947.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/21/2013 0206			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		360	U	49	360
2-Chlorophenol		360	U	48	360
2-Methylphenol		360	U	62	360
4-Methylphenol		360	U	71	360
Benzaldehyde		360	U	43	360
Acetophenone		360	U	56	360
Bis(2-chloroethyl)ether		36	U	4.9	36
2,2'-oxybis[1-chloropropane]		360	U	40	360
N-Nitrosodi-n-propylamine		36	U	6.0	36
Nitrobenzene		36	U	5.1	36
Hexachloroethane		36	U	4.0	36
Isophorone		360	U	44	360
2-Nitrophenol		360	U	40	360
2,4-Dimethylphenol		360	U	89	360
2,4-Dichlorophenol		360	U	53	360
Bis(2-chloroethoxy)methane		360	U	47	360
Naphthalene		360	U	42	360
4-Chloroaniline		360	U	96	360
Hexachlorobutadiene		73	U	8.8	73
Caprolactam		360	U	83	360
4-Chloro-3-methylphenol		360	U	55	360
2-Methylnaphthalene		360	U	47	360
Hexachlorobenzene		36	U	4.9	36
Hexachlorocyclopentadiene		360	U	43	360
2,4,6-Trichlorophenol		360	U	42	360
2,4,5-Trichlorophenol		360	U	47	360
Diphenyl		360	U	49	360
2-Chloronaphthalene		360	U	40	360
2-Nitroaniline		730	U	150	730
2,6-Dinitrotoluene		73	U	11	73
Dimethyl phthalate		360	U	43	360
Acenaphthylene		65	J	43	360
3-Nitroaniline		730	U	130	730
Acenaphthene		360	U	53	360
4-Nitrophenol		1100	U	230	1100
2,4-Dinitrophenol		1100	U	210	1100
Dibenzofuran		360	U	42	360
Diethyl phthalate		360	U	43	360
Fluorene		360	U	46	360
Fluoranthene		500		48	360
Di-n-butyl phthalate		230	J	45	360
2,4-Dinitrotoluene		73	U	12	73
4-Chlorophenyl phenyl ether		360	U	42	360
4-Nitroaniline		730	U	110	730
4,6-Dinitro-2-methylphenol		1100	U	99	1100
4-Bromophenyl phenyl ether		360	U	36	360

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 top**

Lab Sample ID: 460-61467-7
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 08/15/2013 1520
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	l11947.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/21/2013 0206			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		360	U	56	360
Anthracene		360	U	44	360
Carbazole		360	U	43	360
Phenanthrene		320	J	46	360
Pentachlorophenol		1100	U	110	1100
Pyrene		440		30	360
Chrysene		260	J	42	360
Benzo[k]fluoranthene		160		2.7	36
Benzo[g,h,i]perylene		110	J	27	360
Benzo[b]fluoranthene		360		2.3	36
Benzo[a]pyrene		230		2.6	36
Benzo[a]anthracene		200		2.5	36
N-Nitrosodiphenylamine		360	U	36	360
Butyl benzyl phthalate		360	U	33	360
Bis(2-ethylhexyl) phthalate		360	U	120	360
Di-n-octyl phthalate		360	U	23	360
Indeno[1,2,3-cd]pyrene		100		6.7	36
Dibenz(a,h)anthracene		36	U	4.6	36
3,3'-Dichlorobenzidine		730	U	130	730
1,2,4,5-Tetrachlorobenzene		360	U *	49	360
2,3,4,6-Tetrachlorophenol		360	U	47	360

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	72		38 - 105
Phenol-d5	66		41 - 118
Terphenyl-d14	68		16 - 151
2,4,6-Tribromophenol	57		10 - 120
2-Fluorophenol	66		37 - 125
2-Fluorobiphenyl	79		40 - 109

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 top**

Lab Sample ID: 460-61467-7
Client Matrix: Solid

% Moisture: 8.8

Date Sampled: 08/15/2013 1520
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11947.D
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/21/2013 0206			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 bottom**

Lab Sample ID: 460-61467-8
Client Matrix: Solid
% Moisture: 9.2

Date Sampled: 08/15/2013 1525
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11942.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/20/2013 2348			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		360	U	49	360
2-Chlorophenol		360	U	48	360
2-Methylphenol		360	U	62	360
4-Methylphenol		360	U	72	360
Benzaldehyde		360	U	43	360
Acetophenone		360	U	56	360
Bis(2-chloroethyl)ether		36	U	5.0	36
2,2'-oxybis[1-chloropropane]		360	U	40	360
N-Nitrosodi-n-propylamine		36	U	6.1	36
Nitrobenzene		36	U	5.2	36
Hexachloroethane		36	U	4.0	36
Isophorone		360	U	44	360
2-Nitrophenol		360	U	41	360
2,4-Dimethylphenol		360	U	90	360
2,4-Dichlorophenol		360	U	53	360
Bis(2-chloroethoxy)methane		360	U	47	360
Naphthalene		360	U	42	360
4-Chloroaniline		360	U	96	360
Hexachlorobutadiene		74	U	8.9	74
Caprolactam		360	U	84	360
4-Chloro-3-methylphenol		360	U	55	360
2-Methylnaphthalene		360	U	47	360
Hexachlorobenzene		36	U	5.0	36
Hexachlorocyclopentadiene		360	U	43	360
2,4,6-Trichlorophenol		360	U	43	360
2,4,5-Trichlorophenol		360	U	47	360
Diphenyl		360	U	49	360
2-Chloronaphthalene		360	U	41	360
2-Nitroaniline		740	U	150	740
2,6-Dinitrotoluene		74	U	11	74
Dimethyl phthalate		360	U	43	360
Acenaphthylene		43	J	43	360
3-Nitroaniline		740	U	130	740
Acenaphthene		360	U	53	360
4-Nitrophenol		1100	U	230	1100
2,4-Dinitrophenol		1100	U	210	1100
Dibenzofuran		360	U	43	360
Diethyl phthalate		360	U	43	360
Fluorene		360	U	47	360
Fluoranthene		160	J	49	360
Di-n-butyl phthalate		250	J	45	360
2,4-Dinitrotoluene		74	U	12	74
4-Chlorophenyl phenyl ether		360	U	43	360
4-Nitroaniline		740	U	110	740
4,6-Dinitro-2-methylphenol		1100	U	99	1100
4-Bromophenyl phenyl ether		360	U	36	360

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 bottom**

Lab Sample ID: 460-61467-8
Client Matrix: Solid
% Moisture: 9.2

Date Sampled: 08/15/2013 1525
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11942.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/20/2013 2348			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		360	U	56	360
Anthracene		360	U	44	360
Carbazole		360	U	43	360
Phenanthrene		140	J	46	360
Pentachlorophenol		1100	U	110	1100
Pyrene		160	J	30	360
Chrysene		100	J	42	360
Benzo[k]fluoranthene		47		2.8	36
Benzo[g,h,i]perylene		45	J	27	360
Benzo[b]fluoranthene		130		2.3	36
Benzo[a]pyrene		100		2.6	36
Benzo[a]anthracene		87		2.5	36
N-Nitrosodiphenylamine		360	U	36	360
Butyl benzyl phthalate		360	U	33	360
Bis(2-ethylhexyl) phthalate		130	J	120	360
Di-n-octyl phthalate		360	U	23	360
Indeno[1,2,3-cd]pyrene		41		6.8	36
Dibenz(a,h)anthracene		11	J	4.6	36
3,3'-Dichlorobenzidine		740	U	130	740
1,2,4,5-Tetrachlorobenzene		360	U *	49	360
2,3,4,6-Tetrachlorophenol		360	U	47	360

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	77		38 - 105
Phenol-d5	74		41 - 118
Terphenyl-d14	70		16 - 151
2,4,6-Tribromophenol	64		10 - 120
2-Fluorophenol	71		37 - 125
2-Fluorobiphenyl	87		40 - 109

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 bottom**

Lab Sample ID: 460-61467-8
Client Matrix: Solid
% Moisture: 9.2

Date Sampled: 08/15/2013 1525
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11942.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/20/2013 2348			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 top**

Lab Sample ID: 460-61467-11
Client Matrix: Solid
% Moisture: 12.6

Date Sampled: 08/15/2013 1540
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11929.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 1752			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		380	U	51	380
2-Chlorophenol		380	U	50	380
2-Methylphenol		380	U	65	380
4-Methylphenol		380	U	74	380
Benzaldehyde		380	U	44	380
Acetophenone		380	U	58	380
Bis(2-chloroethyl)ether		38	U	5.2	38
2,2'-oxybis[1-chloropropane]		380	U	42	380
N-Nitrosodi-n-propylamine		38	U	6.3	38
Nitrobenzene		38	U	5.4	38
Hexachloroethane		38	U	4.2	38
Isophorone		380	U	46	380
2-Nitrophenol		380	U	42	380
2,4-Dimethylphenol		380	U	93	380
2,4-Dichlorophenol		380	U	55	380
Bis(2-chloroethoxy)methane		380	U	49	380
Naphthalene		380	U	44	380
4-Chloroaniline		380	U	100	380
Hexachlorobutadiene		77	U	9.2	77
Caprolactam		380	U	87	380
4-Chloro-3-methylphenol		380	U	57	380
2-Methylnaphthalene		380	U	49	380
Hexachlorobenzene		38	U	5.2	38
Hexachlorocyclopentadiene		380	U	44	380
2,4,6-Trichlorophenol		380	U	44	380
2,4,5-Trichlorophenol		380	U	49	380
Diphenyl		380	U	51	380
2-Chloronaphthalene		380	U	42	380
2-Nitroaniline		770	U	160	770
2,6-Dinitrotoluene		77	U	11	77
Dimethyl phthalate		380	U	45	380
Acenaphthylene		380	U	45	380
3-Nitroaniline		770	U	130	770
Acenaphthene		380	U	55	380
4-Nitrophenol		1100	U	240	1100
2,4-Dinitrophenol		1100	U	220	1100
Dibenzofuran		380	U	44	380
Diethyl phthalate		380	U	45	380
Fluorene		380	U	48	380
Fluoranthene		82	J	50	380
Di-n-butyl phthalate		210	J	47	380
2,4-Dinitrotoluene		77	U	12	77
4-Chlorophenyl phenyl ether		380	U	44	380
4-Nitroaniline		770	U	120	770
4,6-Dinitro-2-methylphenol		1100	U	100	1100
4-Bromophenyl phenyl ether		380	U	38	380

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 top**

Lab Sample ID: 460-61467-11
Client Matrix: Solid
% Moisture: 12.6
Date Sampled: 08/15/2013 1540
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11929.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 1752			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		380	U	58	380
Anthracene		380	U	46	380
Carbazole		380	U	45	380
Phenanthrene		54	J	48	380
Pentachlorophenol		1100	U	110	1100
Pyrene		100	J	32	380
Chrysene		56	J	44	380
Benzo[k]fluoranthene		31	J	2.9	38
Benzo[g,h,i]perylene		47	J	28	380
Benzo[b]fluoranthene		73		2.4	38
Benzo[a]pyrene		56		2.7	38
Benzo[a]anthracene		60		2.6	38
N-Nitrosodiphenylamine		380	U	37	380
Butyl benzyl phthalate		380	U	35	380
Bis(2-ethylhexyl) phthalate		380	U	130	380
Di-n-octyl phthalate		380	U	24	380
Indeno[1,2,3-cd]pyrene		44		7.0	38
Dibenz(a,h)anthracene		13	J	4.8	38
3,3'-Dichlorobenzidine		770	U	130	770
1,2,4,5-Tetrachlorobenzene		380	U *	51	380
2,3,4,6-Tetrachlorophenol		380	U	49	380

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	83		38 - 105
Phenol-d5	82		41 - 118
Terphenyl-d14	91		16 - 151
2,4,6-Tribromophenol	61		10 - 120
2-Fluorophenol	79		37 - 125
2-Fluorobiphenyl	86		40 - 109

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 top**

Lab Sample ID: 460-61467-11
Client Matrix: Solid
% Moisture: 12.6

Date Sampled: 08/15/2013 1540
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11929.D
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 1752			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 bottom**

Lab Sample ID: 460-61467-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 08/15/2013 1545
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11932.D
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Analysis Date:	08/20/2013 1915			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		370	U	50	370
2-Chlorophenol		370	U	49	370
2-Methylphenol		370	U	63	370
4-Methylphenol		370	U	73	370
Benzaldehyde		370	U	44	370
Acetophenone		370	U	57	370
Bis(2-chloroethyl)ether		37	U	5.0	37
2,2'-oxybis[1-chloropropane]		370	U	41	370
N-Nitrosodi-n-propylamine		37	U	6.2	37
Nitrobenzene		37	U	5.3	37
Hexachloroethane		37	U	4.1	37
Isophorone		370	U	45	370
2-Nitrophenol		370	U	41	370
2,4-Dimethylphenol		370	U	91	370
2,4-Dichlorophenol		370	U	54	370
Bis(2-chloroethoxy)methane		370	U	48	370
Naphthalene		370	U	43	370
4-Chloroaniline		370	U	98	370
Hexachlorobutadiene		75	U	9.0	75
Caprolactam		370	U	85	370
4-Chloro-3-methylphenol		370	U	56	370
2-Methylnaphthalene		370	U	48	370
Hexachlorobenzene		37	U	5.1	37
Hexachlorocyclopentadiene		370	U	44	370
2,4,6-Trichlorophenol		370	U	43	370
2,4,5-Trichlorophenol		370	U	48	370
Diphenyl		370	U	50	370
2-Chloronaphthalene		370	U	41	370
2-Nitroaniline		750	U	150	750
2,6-Dinitrotoluene		75	U	11	75
Dimethyl phthalate		370	U	44	370
Acenaphthylene		370	U	44	370
3-Nitroaniline		750	U	130	750
Acenaphthene		370	U	54	370
4-Nitrophenol		1100	U	240	1100
2,4-Dinitrophenol		1100	U	210	1100
Dibenzofuran		370	U	43	370
Diethyl phthalate		370	U	44	370
Fluorene		370	U	47	370
Fluoranthene		54	J	49	370
Di-n-butyl phthalate		190	J	46	370
2,4-Dinitrotoluene		75	U	12	75
4-Chlorophenyl phenyl ether		370	U	43	370
4-Nitroaniline		750	U	120	750
4,6-Dinitro-2-methylphenol		1100	U	100	1100
4-Bromophenyl phenyl ether		370	U	37	370

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 bottom**

Lab Sample ID: 460-61467-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 08/15/2013 1545
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11932.D
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Analysis Date:	08/20/2013 1915			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		370	U	57	370
Anthracene		370	U	45	370
Carbazole		370	U	44	370
Phenanthrene		370	U	47	370
Pentachlorophenol		1100	U	110	1100
Pyrene		45	J	31	370
Chrysene		370	U	43	370
Benzo[k]fluoranthene		18	J	2.8	37
Benzo[g,h,i]perylene		36	J	27	370
Benzo[b]fluoranthene		38		2.3	37
Benzo[a]pyrene		31	J	2.6	37
Benzo[a]anthracene		34	J	2.6	37
N-Nitrosodiphenylamine		370	U	36	370
Butyl benzyl phthalate		370	U	34	370
Bis(2-ethylhexyl) phthalate		160	J	120	370
Di-n-octyl phthalate		370	U	24	370
Indeno[1,2,3-cd]pyrene		32	J	6.9	37
Dibenz(a,h)anthracene		7.2	J	4.7	37
3,3'-Dichlorobenzidine		750	U	130	750
1,2,4,5-Tetrachlorobenzene		370	U *	50	370
2,3,4,6-Tetrachlorophenol		370	U	48	370

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	82		38 - 105
Phenol-d5	88		41 - 118
Terphenyl-d14	85		16 - 151
2,4,6-Tribromophenol	86		10 - 120
2-Fluorophenol	84		37 - 125
2-Fluorobiphenyl	83		40 - 109

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 bottom**

Lab Sample ID: 460-61467-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 08/15/2013 1545
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11932.D
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Analysis Date:	08/20/2013 1915			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TW-2**

Lab Sample ID: 460-61467-15
Client Matrix: Water

Date Sampled: 08/15/2013 1610
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177711	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-176664	Lab File ID:	M68614.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	08/23/2013 1228			Final Weight/Volume:	2 mL
Prep Date:	08/17/2013 1232			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	10	U	0.63	10
2-Chlorophenol	10	U	0.97	10
2-Methylphenol	10	U	1.5	10
4-Methylphenol	10	U	1.0	10
2-Nitrophenol	10	U	0.71	10
2,4-Dimethylphenol	10	U	1.3	10
2,4-Dichlorophenol	10	U	1.1	10
4-Chloro-3-methylphenol	10	U	1.1	10
2,4,6-Trichlorophenol	10	U	1.5	10
2,4,5-Trichlorophenol	10	U	2.3	10
2,4-Dinitrophenol	31	U	2.1	31
4-Nitrophenol	31	U	2.1	31
4,6-Dinitro-2-methylphenol	31	U	3.1	31
Pentachlorophenol	31	U	2.8	31
Bis(2-chloroethyl)ether	1.0	U	0.31	1.0
N-Nitrosodi-n-propylamine	1.0	U	0.28	1.0
Hexachloroethane	1.0	U	0.16	1.0
Nitrobenzene	1.0	U	0.35	1.0
Isophorone	10	U	1.4	10
Bis(2-chloroethoxy)methane	10	U	1.0	10
Naphthalene	10	U	2.1	10
4-Chloroaniline	1.0	U *	0.33	1.0
Hexachlorobutadiene	2.1	U	0.71	2.1
2-Methylnaphthalene	10	U	1.6	10
Hexachlorocyclopentadiene	10	U	1.6	10
2-Chloronaphthalene	10	U	1.4	10
2-Nitroaniline	21	U	2.1	21
Dimethyl phthalate	10	U	1.1	10
Acenaphthylene	10	U	1.9	10
2,6-Dinitrotoluene	2.1	U	0.28	2.1
3-Nitroaniline	21	U	3.0	21
Acenaphthene	10	U	1.1	10
Dibenzofuran	10	U	1.6	10
2,4-Dinitrotoluene	2.1	U	0.29	2.1
Diethyl phthalate	10	U	1.5	10
4-Chlorophenyl phenyl ether	10	U	1.6	10
Fluorene	10	U	1.8	10
4-Nitroaniline	21	U	3.0	21
N-Nitrosodiphenylamine	10	U	1.0	10
4-Bromophenyl phenyl ether	10	U	1.1	10
Hexachlorobenzene	1.0	U	0.21	1.0
Phenanthrene	10	U	1.3	10
Anthracene	10	U	0.89	10
Carbazole	10	U	1.3	10
Di-n-butyl phthalate	10	U	1.0	10
Fluoranthene	10	U	1.1	10

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TW-2**

Lab Sample ID: 460-61467-15
Client Matrix: Water

Date Sampled: 08/15/2013 1610
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177711	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-176664	Lab File ID:	M68614.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	08/23/2013 1228			Final Weight/Volume:	2 mL
Prep Date:	08/17/2013 1232			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Pyrene	10	U	1.1	10
Butyl benzyl phthalate	10	U	1.5	10
3,3'-Dichlorobenzidine	21	U *	3.3	21
Benzo[a]anthracene	1.0	U	0.19	1.0
Chrysene	10	U	1.5	10
Bis(2-ethylhexyl) phthalate	2.3	J	0.84	10
Di-n-octyl phthalate	10	U	0.92	10
Benzo[b]fluoranthene	1.0	U	0.22	1.0
Benzo[k]fluoranthene	1.0	U	0.15	1.0
Benzo[a]pyrene	1.0	U	0.15	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.11	1.0
Dibenz(a,h)anthracene	1.0	U	0.17	1.0
Benzo[g,h,i]perylene	10	U	0.97	10
Diphenyl	10	U	1.9	10
Acetophenone	10	U	0.93	10
Benzaldehyde	10	U	2.2	10
Caprolactam	10	U *	0.95	10
Atrazine	10	U *	1.0	10
2,2'-oxybis[1-chloropropane]	10	U	1.4	10
1,2,4,5-Tetrachlorobenzene	10	U	1.9	10
2,3,4,6-Tetrachlorophenol	10	U *	0.93	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	107		60 - 114
Phenol-d5	32		4 - 86
Terphenyl-d14	118		72 - 130
2,4,6-Tribromophenol	124		51 - 126
2-Fluorophenol	49		15 - 96
2-Fluorobiphenyl	112		50 - 120

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TW-2**

Lab Sample ID: 460-61467-15
Client Matrix: Water

Date Sampled: 08/15/2013 1610
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177711	Instrument ID:	CBNAMS6
Prep Method:	3510C	Prep Batch:	460-176664	Lab File ID:	M68614.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	08/23/2013 1228			Final Weight/Volume:	2 mL
Prep Date:	08/17/2013 1232			Injection Volume:	5 uL

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	2.32	7.2	J

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 top**

Lab Sample ID: 460-61467-17
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11935.D
Dilution:	1.0			Initial Weight/Volume:	15.05 g
Analysis Date:	08/20/2013 2037			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		360	U	49	360
2-Chlorophenol		360	U	48	360
2-Methylphenol		360	U	62	360
4-Methylphenol		360	U	72	360
Benzaldehyde		360	U	43	360
Acetophenone		360	U	56	360
Bis(2-chloroethyl)ether		36	U	5.0	36
2,2'-oxybis[1-chloropropane]		360	U	40	360
N-Nitrosodi-n-propylamine		36	U	6.1	36
Nitrobenzene		36	U	5.2	36
Hexachloroethane		36	U	4.0	36
Isophorone		360	U	44	360
2-Nitrophenol		360	U	41	360
2,4-Dimethylphenol		360	U	90	360
2,4-Dichlorophenol		360	U	53	360
Bis(2-chloroethoxy)methane		360	U	47	360
Naphthalene		360	U	42	360
4-Chloroaniline		360	U	96	360
Hexachlorobutadiene		74	U	8.9	74
Caprolactam		360	U	84	360
4-Chloro-3-methylphenol		360	U	55	360
2-Methylnaphthalene		360	U	47	360
Hexachlorobenzene		36	U	5.0	36
Hexachlorocyclopentadiene		360	U	43	360
2,4,6-Trichlorophenol		360	U	43	360
2,4,5-Trichlorophenol		360	U	47	360
Diphenyl		360	U	49	360
2-Chloronaphthalene		360	U	41	360
2-Nitroaniline		740	U	150	740
2,6-Dinitrotoluene		74	U	11	74
Dimethyl phthalate		360	U	43	360
Acenaphthylene		360	U	43	360
3-Nitroaniline		740	U	130	740
Acenaphthene		360	U	53	360
4-Nitrophenol		1100	U	230	1100
2,4-Dinitrophenol		1100	U	210	1100
Dibenzofuran		360	U	43	360
Diethyl phthalate		360	U	43	360
Fluorene		360	U	47	360
Fluoranthene		230	J	48	360
Di-n-butyl phthalate		230	J	45	360
2,4-Dinitrotoluene		74	U	12	74
4-Chlorophenyl phenyl ether		360	U	43	360
4-Nitroaniline		740	U	110	740
4,6-Dinitro-2-methylphenol		1100	U	99	1100
4-Bromophenyl phenyl ether		360	U	36	360

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 top**

Lab Sample ID: 460-61467-17
Client Matrix: Solid
% Moisture: 9.4
Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11935.D
Dilution:	1.0			Initial Weight/Volume:	15.05 g
Analysis Date:	08/20/2013 2037			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		360	U	56	360
Anthracene		360	U	44	360
Carbazole		360	U	43	360
Phenanthrene		150	J	46	360
Pentachlorophenol		1100	U	110	1100
Pyrene		290	J	30	360
Chrysene		150	J	42	360
Benzo[k]fluoranthene		55		2.8	36
Benzo[g,h,i]perylene		63	J	27	360
Benzo[b]fluoranthene		150		2.3	36
Benzo[a]pyrene		130		2.6	36
Benzo[a]anthracene		140		2.5	36
N-Nitrosodiphenylamine		360	U	36	360
Butyl benzyl phthalate		360	U	33	360
Bis(2-ethylhexyl) phthalate		360	U	120	360
Di-n-octyl phthalate		360	U	23	360
Indeno[1,2,3-cd]pyrene		61		6.8	36
Dibenz(a,h)anthracene		36	U	4.6	36
3,3'-Dichlorobenzidine		740	U	130	740
1,2,4,5-Tetrachlorobenzene		360	U *	49	360
2,3,4,6-Tetrachlorophenol		360	U	47	360

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	80		38 - 105
Phenol-d5	85		41 - 118
Terphenyl-d14	84		16 - 151
2,4,6-Tribromophenol	85		10 - 120
2-Fluorophenol	80		37 - 125
2-Fluorobiphenyl	78		40 - 109

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 top**

Lab Sample ID: 460-61467-17
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11935.D
Dilution:	1.0			Initial Weight/Volume:	15.05 g
Analysis Date:	08/20/2013 2037			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 bottom**

Lab Sample ID: 460-61467-18
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11936.D
Dilution:	2.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 2104			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		780	U	100	780
2-Chlorophenol		780	U	100	780
2-Methylphenol		780	U	130	780
4-Methylphenol		780	U	150	780
Benzaldehyde		780	U	92	780
Acetophenone		780	U	120	780
Bis(2-chloroethyl)ether		78	U	11	78
2,2'-oxybis[1-chloropropane]		780	U	86	780
N-Nitrosodi-n-propylamine		78	U	13	78
Nitrobenzene		78	U	11	78
Hexachloroethane		78	U	8.7	78
Isophorone		780	U	95	780
2-Nitrophenol		780	U	87	780
2,4-Dimethylphenol		780	U	190	780
2,4-Dichlorophenol		780	U	110	780
Bis(2-chloroethoxy)methane		780	U	100	780
Naphthalene		780	U	90	780
4-Chloroaniline		780	U	210	780
Hexachlorobutadiene		160	U	19	160
Caprolactam		780	U	180	780
4-Chloro-3-methylphenol		780	U	120	780
2-Methylnaphthalene		730	J	100	780
Hexachlorobenzene		78	U	11	78
Hexachlorocyclopentadiene		780	U	92	780
2,4,6-Trichlorophenol		780	U	91	780
2,4,5-Trichlorophenol		780	U	100	780
Diphenyl		780	U	100	780
2-Chloronaphthalene		780	U	87	780
2-Nitroaniline		1600	U	330	1600
2,6-Dinitrotoluene		160	U	24	160
Dimethyl phthalate		780	U	93	780
Acenaphthylene		780	U	92	780
3-Nitroaniline		1600	U	280	1600
Acenaphthene		200	J	110	780
4-Nitrophenol		2400	U	500	2400
2,4-Dinitrophenol		2400	U	440	2400
Dibenzofuran		220	J	92	780
Diethyl phthalate		780	U	93	780
Fluorene		640	J	100	780
Fluoranthene		330	J	100	780
Di-n-butyl phthalate		360	J	96	780
2,4-Dinitrotoluene		160	U	26	160
4-Chlorophenyl phenyl ether		780	U	92	780
4-Nitroaniline		1600	U	240	1600
4,6-Dinitro-2-methylphenol		2400	U	210	2400
4-Bromophenyl phenyl ether		780	U	78	780

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 bottom**

Lab Sample ID: 460-61467-18
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11936.D
Dilution:	2.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 2104			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		780	U	120	780
Anthracene		340	J	95	780
Carbazole		780	U	92	780
Phenanthrene		2800		99	780
Pentachlorophenol		2400	U	230	2400
Pyrene		1100		65	780
Chrysene		860		91	780
Benzo[k]fluoranthene		59	J	5.9	78
Benzo[g,h,i]perylene		63	J	58	780
Benzo[b]fluoranthene		180		4.9	78
Benzo[a]pyrene		320		5.5	78
Benzo[a]anthracene		440		5.5	78
N-Nitrosodiphenylamine		780	U	77	780
Butyl benzyl phthalate		780	U	72	780
Bis(2-ethylhexyl) phthalate		780	U	260	780
Di-n-octyl phthalate		780	U	50	780
Indeno[1,2,3-cd]pyrene		50	J	15	78
Dibenz(a,h)anthracene		78	U	9.9	78
3,3'-Dichlorobenzidine		1600	U	270	1600
1,2,4,5-Tetrachlorobenzene		780	U *	110	780
2,3,4,6-Tetrachlorophenol		780	U	100	780

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	74		38 - 105
Phenol-d5	83		41 - 118
Terphenyl-d14	88		16 - 151
2,4,6-Tribromophenol	91		10 - 120
2-Fluorophenol	77		37 - 125
2-Fluorobiphenyl	81		40 - 109

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 bottom**

Lab Sample ID: 460-61467-18
Client Matrix: Solid
% Moisture: 15.4

Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11936.D
Dilution:	2.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 2104			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **20**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
581-40-8	Naphthalene, 2,3-dimethyl-	6.58	2700	J N
571-58-4	Naphthalene, 1,4-dimethyl-	6.70	3200	J N
829-26-5	Naphthalene, 2,3,6-trimethyl-	7.13	3300	J N
2245-38-7	Naphthalene, 1,6,7-trimethyl-	7.16	2900	J N
2245-38-7	Naphthalene, 1,6,7-trimethyl-	7.24	2500	J N
55045-11-9	Tridecane, 5-propyl-	7.62	4200	J N
54105-67-8	Heptadecane, 2,6-dimethyl-	7.88	9600	J N
1430-97-3	9H-Fluorene, 2-methyl-	7.99	2600	J N
1730-37-6	9H-Fluorene, 1-methyl-	8.02	2900	J N
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	8.34	3200	J N
544-76-3	Hexadecane	8.68	2500	J N
2531-84-2	Phenanthrene, 2-methyl-	8.86	4100	J N
832-69-9	Phenanthrene, 1-methyl-	8.89	5400	J N
949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b-dihyd	8.97	4000	J N
2531-84-2	Phenanthrene, 2-methyl-	8.99	3000	J N
1576-67-6	Phenanthrene, 3,6-dimethyl-	9.30	3000	J N
1576-67-6	Phenanthrene, 3,6-dimethyl-	9.33	3700	J N
3674-66-6	Phenanthrene, 2,5-dimethyl-	9.41	7200	J N
3674-66-6	Phenanthrene, 2,5-dimethyl-	9.44	4200	J N
781-43-1	9,10-Dimethylanthracene	9.48	2800	J N

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 top**

Lab Sample ID: 460-61467-21
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11937.D
Dilution:	1.0			Initial Weight/Volume:	14.98 g
Analysis Date:	08/20/2013 2131			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		380	U	51	380
2-Chlorophenol		380	U	50	380
2-Methylphenol		380	U	64	380
4-Methylphenol		380	U	74	380
Benzaldehyde		380	U	44	380
Acetophenone		380	U	58	380
Bis(2-chloroethyl)ether		38	U	5.1	38
2,2'-oxybis[1-chloropropane]		380	U	42	380
N-Nitrosodi-n-propylamine		38	U	6.3	38
Nitrobenzene		38	U	5.4	38
Hexachloroethane		38	U	4.2	38
Isophorone		380	U	46	380
2-Nitrophenol		380	U	42	380
2,4-Dimethylphenol		380	U	93	380
2,4-Dichlorophenol		380	U	55	380
Bis(2-chloroethoxy)methane		380	U	49	380
Naphthalene		380	U	44	380
4-Chloroaniline		380	U	100	380
Hexachlorobutadiene		76	U	9.2	76
Caprolactam		380	U	87	380
4-Chloro-3-methylphenol		380	U	57	380
2-Methylnaphthalene		380	U	48	380
Hexachlorobenzene		38	U	5.2	38
Hexachlorocyclopentadiene		380	U	44	380
2,4,6-Trichlorophenol		380	U	44	380
2,4,5-Trichlorophenol		380	U	49	380
Diphenyl		380	U	51	380
2-Chloronaphthalene		380	U	42	380
2-Nitroaniline		760	U	160	760
2,6-Dinitrotoluene		76	U	11	76
Dimethyl phthalate		380	U	45	380
Acenaphthylene		380	U	45	380
3-Nitroaniline		760	U	130	760
Acenaphthene		380	U	55	380
4-Nitrophenol		1100	U	240	1100
2,4-Dinitrophenol		1100	U	210	1100
Dibenzofuran		380	U	44	380
Diethyl phthalate		380	U	45	380
Fluorene		380	U	48	380
Fluoranthene		170	J	50	380
Di-n-butyl phthalate		210	J	47	380
2,4-Dinitrotoluene		76	U	12	76
4-Chlorophenyl phenyl ether		380	U	44	380
4-Nitroaniline		760	U	120	760
4,6-Dinitro-2-methylphenol		1100	U	100	1100
4-Bromophenyl phenyl ether		380	U	37	380

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 top**

Lab Sample ID: 460-61467-21
Client Matrix: Solid
% Moisture: 12.2
Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11937.D
Dilution:	1.0			Initial Weight/Volume:	14.98 g
Analysis Date:	08/20/2013 2131			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		380	U	58	380
Anthracene		380	U	46	380
Carbazole		380	U	45	380
Phenanthrene		82	J	48	380
Pentachlorophenol		1100	U	110	1100
Pyrene		170	J	32	380
Chrysene		120	J	44	380
Benzo[k]fluoranthene		61		2.9	38
Benzo[g,h,i]perylene		74	J	28	380
Benzo[b]fluoranthene		170		2.4	38
Benzo[a]pyrene		130		2.7	38
Benzo[a]anthracene		100		2.6	38
N-Nitrosodiphenylamine		380	U	37	380
Butyl benzyl phthalate		380	U	35	380
Bis(2-ethylhexyl) phthalate		380	U	130	380
Di-n-octyl phthalate		380	U	24	380
Indeno[1,2,3-cd]pyrene		69		7.0	38
Dibenz(a,h)anthracene		18	J	4.8	38
3,3'-Dichlorobenzidine		760	U	130	760
1,2,4,5-Tetrachlorobenzene		380	U *	51	380
2,3,4,6-Tetrachlorophenol		380	U	49	380

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	77		38 - 105
Phenol-d5	84		41 - 118
Terphenyl-d14	84		16 - 151
2,4,6-Tribromophenol	80		10 - 120
2-Fluorophenol	77		37 - 125
2-Fluorobiphenyl	77		40 - 109

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 top**

Lab Sample ID: 460-61467-21
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177181	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-176844	Lab File ID:	I11937.D
Dilution:	1.0			Initial Weight/Volume:	14.98 g
Analysis Date:	08/20/2013 2131			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 bottom**

Lab Sample ID: 460-61467-22
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177574	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-177117	Lab File ID:	I12006.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/22/2013 2301			Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		370	U	49	370
2-Chlorophenol		370	U	48	370
2-Methylphenol		370	U	63	370
4-Methylphenol		370	U	72	370
Benzaldehyde		370	U	43	370
Acetophenone		370	U	56	370
Bis(2-chloroethyl)ether		37	U	5.0	37
2,2'-oxybis[1-chloropropane]		370	U	41	370
N-Nitrosodi-n-propylamine		37	U	6.1	37
Nitrobenzene		37	U	5.2	37
Hexachloroethane		37	U	4.1	37
Isophorone		370	U	45	370
2-Nitrophenol		370	U	41	370
2,4-Dimethylphenol		370	U	91	370
2,4-Dichlorophenol		370	U	54	370
Bis(2-chloroethoxy)methane		370	U	47	370
Naphthalene		370	U	43	370
4-Chloroaniline		370	U	97	370
Hexachlorobutadiene		75	U	9.0	75
Caprolactam		370	U	85	370
4-Chloro-3-methylphenol		370	U	55	370
2-Methylnaphthalene		370	U	47	370
Hexachlorobenzene		37	U	5.0	37
Hexachlorocyclopentadiene		370	U	43	370
2,4,6-Trichlorophenol		370	U	43	370
2,4,5-Trichlorophenol		370	U	47	370
Diphenyl		370	U	49	370
2-Chloronaphthalene		370	U	41	370
2-Nitroaniline		750	U	150	750
2,6-Dinitrotoluene		75	U	11	75
Dimethyl phthalate		370	U	44	370
Acenaphthylene		56	J	43	370
3-Nitroaniline		750	U	130	750
Acenaphthene		370	U	54	370
4-Nitrophenol		1100	U	240	1100
2,4-Dinitrophenol		1100	U	210	1100
Dibenzofuran		370	U	43	370
Diethyl phthalate		370	U	44	370
Fluorene		370	U	47	370
Fluoranthene		530		49	370
Di-n-butyl phthalate		170	J	45	370
2,4-Dinitrotoluene		75	U	12	75
4-Chlorophenyl phenyl ether		370	U	43	370
4-Nitroaniline		750	U	110	750
4,6-Dinitro-2-methylphenol		1100	U	100	1100
4-Bromophenyl phenyl ether		370	U	36	370

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 bottom**

Lab Sample ID: 460-61467-22
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177574	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-177117	Lab File ID:	I12006.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/22/2013 2301			Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		370	U	57	370
Anthracene		45	J	45	370
Carbazole		370	U	43	370
Phenanthrene		250	J	47	370
Pentachlorophenol		1100	U	110	1100
Pyrene		450		31	370
Chrysene		270	J	43	370
Benzo[k]fluoranthene		170		2.8	37
Benzo[g,h,i]perylene		88	J	27	370
Benzo[b]fluoranthene		390		2.3	37
Benzo[a]pyrene		300		2.6	37
Benzo[a]anthracene		280		2.6	37
N-Nitrosodiphenylamine		370	U	36	370
Butyl benzyl phthalate		370	U	34	370
Bis(2-ethylhexyl) phthalate		200	J	120	370
Di-n-octyl phthalate		370	U	23	370
Indeno[1,2,3-cd]pyrene		96		6.8	37
Dibenz(a,h)anthracene		32	J	4.6	37
3,3'-Dichlorobenzidine		750	U	130	750
1,2,4,5-Tetrachlorobenzene		370	U	49	370
2,3,4,6-Tetrachlorophenol		370	U	48	370

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	73		38 - 105
Phenol-d5	81		41 - 118
Terphenyl-d14	78		16 - 151
2,4,6-Tribromophenol	55		10 - 120
2-Fluorophenol	74		37 - 125
2-Fluorobiphenyl	76		40 - 109

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 bottom**

Lab Sample ID: 460-61467-22
Client Matrix: Solid
% Moisture: 10.1

Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177574	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-177117	Lab File ID:	I12006.D
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/22/2013 2301			Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 top**

Lab Sample ID: 460-61467-25
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 08/16/2013 1130
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177272	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-177117	Lab File ID:	I11977.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/21/2013 2045			Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		390	U	52	390
2-Chlorophenol		390	U	51	390
2-Methylphenol		390	U	67	390
4-Methylphenol		390	U	77	390
Benzaldehyde		390	U	46	390
Acetophenone		390	U	60	390
Bis(2-chloroethyl)ether		39	U	5.3	39
2,2'-oxybis[1-chloropropane]		390	U	43	390
N-Nitrosodi-n-propylamine		39	U	6.5	39
Nitrobenzene		39	U	5.5	39
Hexachloroethane		39	U	4.3	39
Isophorone		72	J	47	390
2-Nitrophenol		390	U	44	390
2,4-Dimethylphenol		390	U	96	390
2,4-Dichlorophenol		390	U	57	390
Bis(2-chloroethoxy)methane		390	U	50	390
Naphthalene		390	U	45	390
4-Chloroaniline		390	U	100	390
Hexachlorobutadiene		79	U	9.5	79
Caprolactam		390	U	90	390
4-Chloro-3-methylphenol		390	U	59	390
2-Methylnaphthalene		390	U	50	390
Hexachlorobenzene		39	U	5.3	39
Hexachlorocyclopentadiene		390	U	46	390
2,4,6-Trichlorophenol		390	U	46	390
2,4,5-Trichlorophenol		390	U	50	390
Diphenyl		390	U	52	390
2-Chloronaphthalene		390	U	44	390
2-Nitroaniline		790	U	160	790
2,6-Dinitrotoluene		79	U	12	79
Dimethyl phthalate		390	U	46	390
Acenaphthylene		390	U	46	390
3-Nitroaniline		790	U	140	790
Acenaphthene		390	U	57	390
4-Nitrophenol		1200	U	250	1200
2,4-Dinitrophenol		1200	U	220	1200
Dibenzofuran		390	U	46	390
Diethyl phthalate		390	U	46	390
Fluorene		390	U	50	390
Fluoranthene		57	J	52	390
Di-n-butyl phthalate		180	J	48	390
2,4-Dinitrotoluene		79	U	13	79
4-Chlorophenyl phenyl ether		390	U	46	390
4-Nitroaniline		790	U	120	790
4,6-Dinitro-2-methylphenol		1200	U	110	1200
4-Bromophenyl phenyl ether		390	U	39	390

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 top**

Lab Sample ID: 460-61467-25
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 08/16/2013 1130
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177272	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-177117	Lab File ID:	I11977.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/21/2013 2045			Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		390	U	60	390
Anthracene		390	U	47	390
Carbazole		390	U	46	390
Phenanthrene		390	U	50	390
Pentachlorophenol		1200	U	120	1200
Pyrene		58	J	33	390
Chrysene		390	U	46	390
Benzo[k]fluoranthene		16	J	3.0	39
Benzo[g,h,i]perylene		390	U	29	390
Benzo[b]fluoranthene		42		2.5	39
Benzo[a]pyrene		35	J	2.8	39
Benzo[a]anthracene		39	U	2.7	39
N-Nitrosodiphenylamine		390	U	38	390
Butyl benzyl phthalate		390	U	36	390
Bis(2-ethylhexyl) phthalate		390	U	130	390
Di-n-octyl phthalate		390	U	25	390
Indeno[1,2,3-cd]pyrene		22	J	7.3	39
Dibenz(a,h)anthracene		39	U	4.9	39
3,3'-Dichlorobenzidine		790	U	140	790
1,2,4,5-Tetrachlorobenzene		390	U	53	390
2,3,4,6-Tetrachlorophenol		390	U	51	390

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	69		38 - 105
Phenol-d5	76		41 - 118
Terphenyl-d14	81		16 - 151
2,4,6-Tribromophenol	58		10 - 120
2-Fluorophenol	68		37 - 125
2-Fluorobiphenyl	73		40 - 109

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 top**

Lab Sample ID: 460-61467-25
Client Matrix: Solid
% Moisture: 15.4

Date Sampled: 08/16/2013 1130
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177272	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-177117	Lab File ID:	I11977.D
Dilution:	1.0			Initial Weight/Volume:	15.03 g
Analysis Date:	08/21/2013 2045			Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 bottom**

Lab Sample ID: 460-61467-26
Client Matrix: Solid
% Moisture: 16.6
Date Sampled: 08/16/2013 1135
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177272	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-177117	Lab File ID:	I11970.D
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Analysis Date:	08/21/2013 1731			Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		390	U	53	390
2-Chlorophenol		390	U	52	390
2-Methylphenol		390	U	67	390
4-Methylphenol		390	U	78	390
Benzaldehyde		390	U	47	390
Acetophenone		390	U	61	390
Bis(2-chloroethyl)ether		39	U	5.4	39
2,2'-oxybis[1-chloropropane]		390	U	44	390
N-Nitrosodi-n-propylamine		39	U	6.6	39
Nitrobenzene		39	U	5.6	39
Hexachloroethane		39	U	4.4	39
Isophorone		390	U	48	390
2-Nitrophenol		390	U	44	390
2,4-Dimethylphenol		390	U	98	390
2,4-Dichlorophenol		390	U	58	390
Bis(2-chloroethoxy)methane		390	U	51	390
Naphthalene		390	U	46	390
4-Chloroaniline		390	U	100	390
Hexachlorobutadiene		80	U	9.7	80
Caprolactam		390	U	91	390
4-Chloro-3-methylphenol		390	U	60	390
2-Methylnaphthalene		390	U	51	390
Hexachlorobenzene		39	U	5.4	39
Hexachlorocyclopentadiene		390	U	47	390
2,4,6-Trichlorophenol		390	U	46	390
2,4,5-Trichlorophenol		390	U	51	390
Diphenyl		390	U	53	390
2-Chloronaphthalene		390	U	44	390
2-Nitroaniline		800	U	170	800
2,6-Dinitrotoluene		80	U	12	80
Dimethyl phthalate		390	U	47	390
Acenaphthylene		390	U	47	390
3-Nitroaniline		800	U	140	800
Acenaphthene		390	U	58	390
4-Nitrophenol		1200	U	250	1200
2,4-Dinitrophenol		1200	U	220	1200
Dibenzofuran		390	U	46	390
Diethyl phthalate		390	U	47	390
Fluorene		390	U	51	390
Fluoranthene		390	U	53	390
Di-n-butyl phthalate		320	J	49	390
2,4-Dinitrotoluene		80	U	13	80
4-Chlorophenyl phenyl ether		390	U	46	390
4-Nitroaniline		800	U	120	800
4,6-Dinitro-2-methylphenol		1200	U	110	1200
4-Bromophenyl phenyl ether		390	U	39	390

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 bottom**

Lab Sample ID: 460-61467-26
Client Matrix: Solid
% Moisture: 16.6
Date Sampled: 08/16/2013 1135
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177272	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-177117	Lab File ID:	l11970.D
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Analysis Date:	08/21/2013 1731			Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		390	U	61	390
Anthracene		390	U	48	390
Carbazole		390	U	47	390
Phenanthrene		390	U	50	390
Pentachlorophenol		1200	U	120	1200
Pyrene		390	U	33	390
Chrysene		390	U	46	390
Benzo[k]fluoranthene		39	U	3.0	39
Benzo[g,h,i]perylene		390	U	29	390
Benzo[b]fluoranthene		6.7	J	2.5	39
Benzo[a]pyrene		5.2	J	2.8	39
Benzo[a]anthracene		39	U	2.8	39
N-Nitrosodiphenylamine		390	U	39	390
Butyl benzyl phthalate		390	U	36	390
Bis(2-ethylhexyl) phthalate		390	U	130	390
Di-n-octyl phthalate		390	U	25	390
Indeno[1,2,3-cd]pyrene		39	U	7.4	39
Dibenz(a,h)anthracene		39	U	5.0	39
3,3'-Dichlorobenzidine		800	U	140	800
1,2,4,5-Tetrachlorobenzene		390	U	53	390
2,3,4,6-Tetrachlorophenol		390	U	51	390

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	74		38 - 105
Phenol-d5	82		41 - 118
Terphenyl-d14	87		16 - 151
2,4,6-Tribromophenol	88		10 - 120
2-Fluorophenol	75		37 - 125
2-Fluorobiphenyl	76		40 - 109

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 bottom**

Lab Sample ID: 460-61467-26
Client Matrix: Solid
% Moisture: 16.6

Date Sampled: 08/16/2013 1135
Date Received: 08/16/2013 1640

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-177272	Instrument ID:	CBNAMS12
Prep Method:	3541	Prep Batch:	460-177117	Lab File ID:	I11970.D
Dilution:	1.0			Initial Weight/Volume:	15.04 g
Analysis Date:	08/21/2013 1731			Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-2**

Lab Sample ID: 460-61467-2
Client Matrix: Solid
% Moisture: 14.9

Date Sampled: 08/16/2013 0802
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1358			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.9	U	1.6	7.9
alpha-BHC		7.9	U	1.8	7.9
beta-BHC		7.9	U	1.9	7.9
delta-BHC		7.9	U	1.4	7.9
gamma-BHC (Lindane)		7.9	U	1.4	7.9
Chlordane		79	U	22	79
4,4'-DDD		7.9	U	1.5	7.9
4,4'-DDE		15		1.5	7.9
4,4'-DDT		30		1.9	7.9
Dieldrin		7.9	U	1.4	7.9
Endosulfan I		7.9	U	1.8	7.9
Endosulfan II		7.9	U	1.5	7.9
Endosulfan sulfate		7.9	U	1.5	7.9
Endrin		7.9	U	1.9	7.9
Endrin aldehyde		7.9	U	1.2	7.9
Endrin ketone		7.9	U	1.5	7.9
Heptachlor		7.9	U	1.9	7.9
Heptachlor epoxide		7.9	U	1.8	7.9
Methoxychlor		7.9	U	1.9	7.9
Toxaphene		79	U	21	79

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	93		37 - 150
DCB Decachlorobiphenyl	105		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-2**

Lab Sample ID: 460-61467-2
Client Matrix: Solid
% Moisture: 14.9

Date Sampled: 08/16/2013 0802
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1358			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		37 - 150
DCB Decachlorobiphenyl	100		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-4**

Lab Sample ID: 460-61467-4
Client Matrix: Solid
% Moisture: 4.2

Date Sampled: 08/16/2013 0806
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1412			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.0	U	1.5	7.0
alpha-BHC		7.0	U	1.6	7.0
beta-BHC		7.0	U	1.7	7.0
delta-BHC		7.0	U	1.2	7.0
gamma-BHC (Lindane)		7.0	U	1.2	7.0
Chlordane		70	U	20	70
4,4'-DDD		7.0	U	1.4	7.0
4,4'-DDE		7.0	U	1.4	7.0
4,4'-DDT		7.0	U	1.7	7.0
Dieldrin		7.0	U	1.2	7.0
Endosulfan I		7.0	U	1.6	7.0
Endosulfan II		7.0	U	1.4	7.0
Endosulfan sulfate		7.0	U	1.4	7.0
Endrin		7.0	U	1.7	7.0
Endrin aldehyde		7.0	U	1.0	7.0
Endrin ketone		7.0	U	1.4	7.0
Heptachlor		7.0	U	1.7	7.0
Heptachlor epoxide		7.0	U	1.6	7.0
Methoxychlor		7.0	U	1.7	7.0
Toxaphene		70	U	19	70

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	150		37 - 150
DCB Decachlorobiphenyl	162	*	60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-4**

Lab Sample ID: 460-61467-4
Client Matrix: Solid
% Moisture: 4.2

Date Sampled: 08/16/2013 0806
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1412			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	155	*	37 - 150
DCB Decachlorobiphenyl	159	*	60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-6**

Lab Sample ID: 460-61467-6
Client Matrix: Solid
% Moisture: 4.8

Date Sampled: 08/16/2013 0810
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1428			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.0	U	1.5	7.0
alpha-BHC		7.0	U	1.6	7.0
beta-BHC		7.0	U	1.7	7.0
delta-BHC		7.0	U	1.3	7.0
gamma-BHC (Lindane)		7.0	U	1.3	7.0
Chlordane		70	U	20	70
4,4'-DDD		7.0	U	1.4	7.0
4,4'-DDE		7.0	U	1.4	7.0
4,4'-DDT		12		1.7	7.0
Dieldrin		7.0	U	1.3	7.0
Endosulfan I		7.0	U	1.6	7.0
Endosulfan II		7.0	U	1.4	7.0
Endosulfan sulfate		7.0	U	1.4	7.0
Endrin		7.0	U	1.7	7.0
Endrin aldehyde		7.0	U	1.0	7.0
Endrin ketone		7.0	U	1.4	7.0
Heptachlor		7.0	U	1.7	7.0
Heptachlor epoxide		7.0	U	1.6	7.0
Methoxychlor		7.0	U	1.7	7.0
Toxaphene		70	U	19	70

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	126		37 - 150
DCB Decachlorobiphenyl	154	*	60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-6**

Lab Sample ID: 460-61467-6
Client Matrix: Solid
% Moisture: 4.8

Date Sampled: 08/16/2013 0810
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1428			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	133		37 - 150
DCB Decachlorobiphenyl	143		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 top**

Lab Sample ID: 460-61467-7
Client Matrix: Solid

% Moisture: 8.8

Date Sampled: 08/15/2013 1520
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1443			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.3	U	1.5	7.3
alpha-BHC		7.3	U	1.6	7.3
beta-BHC		7.3	U	1.7	7.3
delta-BHC		7.3	U	1.3	7.3
gamma-BHC (Lindane)		7.3	U	1.3	7.3
Chlordane		73	U	21	73
4,4'-DDD		7.3	U	1.4	7.3
4,4'-DDE		7.3	U	1.4	7.3
4,4'-DDT		7.3	U	1.7	7.3
Dieldrin		7.3	U	1.3	7.3
Endosulfan I		7.3	U	1.6	7.3
Endosulfan II		7.3	U	1.4	7.3
Endosulfan sulfate		7.3	U	1.4	7.3
Endrin		7.3	U	1.7	7.3
Endrin aldehyde		7.3	U	1.1	7.3
Endrin ketone		7.3	U	1.4	7.3
Heptachlor		7.3	U	1.7	7.3
Heptachlor epoxide		7.3	U	1.6	7.3
Methoxychlor		7.3	U	1.7	7.3
Toxaphene		73	U	20	73

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	120		37 - 150
DCB Decachlorobiphenyl	155	*	60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 top**

Lab Sample ID: 460-61467-7
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 08/15/2013 1520
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1443			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	129		37 - 150
DCB Decachlorobiphenyl	139		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 bottom**

Lab Sample ID: 460-61467-8
Client Matrix: Solid
% Moisture: 9.2

Date Sampled: 08/15/2013 1525
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1458			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.4	U	1.5	7.4
alpha-BHC		7.4	U	1.6	7.4
beta-BHC		7.4	U	1.8	7.4
delta-BHC		7.4	U	1.3	7.4
gamma-BHC (Lindane)		7.4	U	1.3	7.4
Chlordane		74	U	21	74
4,4'-DDD		7.4	U	1.4	7.4
4,4'-DDE		7.4	U	1.4	7.4
4,4'-DDT		7.4	U	1.8	7.4
Dieldrin		7.4	U	1.3	7.4
Endosulfan I		7.4	U	1.6	7.4
Endosulfan II		7.4	U	1.4	7.4
Endosulfan sulfate		7.4	U	1.4	7.4
Endrin		7.4	U	1.8	7.4
Endrin aldehyde		7.4	U	1.1	7.4
Endrin ketone		7.4	U	1.4	7.4
Heptachlor		7.4	U	1.8	7.4
Heptachlor epoxide		7.4	U	1.6	7.4
Methoxychlor		7.4	U	1.8	7.4
Toxaphene		74	U	20	74

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	122		37 - 150
DCB Decachlorobiphenyl	143		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 bottom**

Lab Sample ID: 460-61467-8
Client Matrix: Solid
% Moisture: 9.2

Date Sampled: 08/15/2013 1525
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1458			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	123		37 - 150
DCB Decachlorobiphenyl	129		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 top**

Lab Sample ID: 460-61467-11
Client Matrix: Solid
% Moisture: 12.6

Date Sampled: 08/15/2013 1540
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1513			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.7	U	1.6	7.7
alpha-BHC		7.7	U	1.7	7.7
beta-BHC		7.7	U	1.8	7.7
delta-BHC		7.7	U	1.4	7.7
gamma-BHC (Lindane)		7.7	U	1.4	7.7
Chlordane		77	U	22	77
4,4'-DDD		7.7	U	1.5	7.7
4,4'-DDE		7.7	U	1.5	7.7
4,4'-DDT		7.7	U	1.8	7.7
Dieldrin		7.7	U	1.4	7.7
Endosulfan I		7.7	U	1.7	7.7
Endosulfan II		7.7	U	1.5	7.7
Endosulfan sulfate		7.7	U	1.5	7.7
Endrin		7.7	U	1.8	7.7
Endrin aldehyde		7.7	U	1.1	7.7
Endrin ketone		7.7	U	1.5	7.7
Heptachlor		7.7	U	1.8	7.7
Heptachlor epoxide		7.7	U	1.7	7.7
Methoxychlor		7.7	U	1.8	7.7
Toxaphene		77	U	21	77

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		37 - 150
DCB Decachlorobiphenyl	113		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 top**

Lab Sample ID: 460-61467-11
Client Matrix: Solid
% Moisture: 12.6

Date Sampled: 08/15/2013 1540
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1513			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	102		37 - 150
DCB Decachlorobiphenyl	104		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 bottom**

Lab Sample ID: 460-61467-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 08/15/2013 1545
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1528			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.5	U	1.6	7.5
alpha-BHC		7.5	U	1.7	7.5
beta-BHC		7.5	U	1.8	7.5
delta-BHC		7.5	U	1.3	7.5
gamma-BHC (Lindane)		7.5	U	1.3	7.5
Chlordane		75	U	21	75
4,4'-DDD		7.5	U	1.5	7.5
4,4'-DDE		7.5	U	1.5	7.5
4,4'-DDT		7.5	U	1.8	7.5
Dieldrin		7.5	U	1.3	7.5
Endosulfan I		7.5	U	1.7	7.5
Endosulfan II		7.5	U	1.5	7.5
Endosulfan sulfate		7.5	U	1.5	7.5
Endrin		7.5	U	1.8	7.5
Endrin aldehyde		7.5	U	1.1	7.5
Endrin ketone		7.5	U	1.5	7.5
Heptachlor		7.5	U	1.8	7.5
Heptachlor epoxide		7.5	U	1.7	7.5
Methoxychlor		7.5	U	1.8	7.5
Toxaphene		75	U	20	75

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	112		37 - 150
DCB Decachlorobiphenyl	123		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 bottom**

Lab Sample ID: 460-61467-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 08/15/2013 1545
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1528			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	113		37 - 150
DCB Decachlorobiphenyl	116		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TW-2**

Lab Sample ID: 460-61467-15
Client Matrix: Water

Date Sampled: 08/15/2013 1610
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-177343	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-177030	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/21/2013 1750			Injection Volume:	1 uL
Prep Date:	08/20/2013 0920			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.050	U	0.038	0.050
alpha-BHC	0.050	U	0.036	0.050
beta-BHC	0.050	U	0.037	0.050
delta-BHC	0.050	U	0.033	0.050
gamma-BHC (Lindane)	0.050	U	0.035	0.050
Chlordane	0.50	U	0.21	0.50
4,4'-DDD	0.050	U	0.036	0.050
4,4'-DDE	0.050	U	0.035	0.050
4,4'-DDT	0.050	U	0.036	0.050
Dieldrin	0.050	U	0.033	0.050
Endosulfan I	0.050	U	0.034	0.050
Endosulfan II	0.050	U	0.035	0.050
Endosulfan sulfate	0.050	U	0.037	0.050
Endrin	0.050	U	0.034	0.050
Endrin aldehyde	0.050	U	0.035	0.050
Endrin ketone	0.050	U	0.037	0.050
Heptachlor	0.050	U	0.037	0.050
Heptachlor epoxide	0.050	U	0.035	0.050
Methoxychlor	0.050	U	0.045	0.050
Toxaphene	0.50	U	0.34	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72		49 - 132
DCB Decachlorobiphenyl	66		37 - 144

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TW-2**

Lab Sample ID: 460-61467-15
Client Matrix: Water

Date Sampled: 08/15/2013 1610
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-177343	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-177030	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/21/2013 1750			Injection Volume:	1 uL
Prep Date:	08/20/2013 0920			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		49 - 132
DCB Decachlorobiphenyl	68		37 - 144

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 top**

Lab Sample ID: 460-61467-17
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1542			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.4	U	1.5	7.4
alpha-BHC		7.4	U	1.7	7.4
beta-BHC		7.4	U	1.8	7.4
delta-BHC		7.4	U	1.3	7.4
gamma-BHC (Lindane)		7.4	U	1.3	7.4
Chlordane		74	U	21	74
4,4'-DDD		7.4	U	1.4	7.4
4,4'-DDE		7.4	U	1.4	7.4
4,4'-DDT		7.4	U	1.8	7.4
Dieldrin		7.4	U	1.3	7.4
Endosulfan I		7.4	U	1.7	7.4
Endosulfan II		7.4	U	1.4	7.4
Endosulfan sulfate		7.4	U	1.4	7.4
Endrin		7.4	U	1.8	7.4
Endrin aldehyde		7.4	U	1.1	7.4
Endrin ketone		7.4	U	1.4	7.4
Heptachlor		7.4	U	1.8	7.4
Heptachlor epoxide		7.4	U	1.7	7.4
Methoxychlor		7.4	U	1.8	7.4
Toxaphene		74	U	20	74

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	118		37 - 150
DCB Decachlorobiphenyl	142		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 top**

Lab Sample ID: 460-61467-17
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1542			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	125		37 - 150
DCB Decachlorobiphenyl	134		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 bottom**

Lab Sample ID: 460-61467-18
Client Matrix: Solid
% Moisture: 15.4

Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-177324	Instrument ID:	CPESTGC1
Prep Method:	3546	Prep Batch:	460-176986	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/21/2013 1220			Injection Volume:	1 uL
Prep Date:	08/20/2013 0519			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.9	U	1.6	7.9
alpha-BHC		7.9	U	1.8	7.9
beta-BHC		7.9	U	1.9	7.9
delta-BHC		7.9	U	1.4	7.9
gamma-BHC (Lindane)		7.9	U	1.4	7.9
Chlordane		79	U	22	79
4,4'-DDD		7.9	U	1.5	7.9
4,4'-DDE		7.9	U	1.5	7.9
4,4'-DDT		7.9	U	1.9	7.9
Dieldrin		7.9	U	1.4	7.9
Endosulfan I		7.9	U	1.8	7.9
Endosulfan II		7.9	U	1.5	7.9
Endosulfan sulfate		7.9	U	1.5	7.9
Endrin		7.9	U	1.9	7.9
Endrin aldehyde		7.9	U	1.2	7.9
Endrin ketone		7.9	U	1.5	7.9
Heptachlor		7.9	U	1.9	7.9
Heptachlor epoxide		7.9	U	1.8	7.9
Methoxychlor		7.9	U	1.9	7.9
Toxaphene		79	U	21	79

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		37 - 150
DCB Decachlorobiphenyl	138		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 bottom**

Lab Sample ID: 460-61467-18
Client Matrix: Solid
% Moisture: 15.4

Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-177324	Instrument ID:	CPESTGC1
Prep Method:	3546	Prep Batch:	460-176986	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/21/2013 1220			Injection Volume:	1 uL
Prep Date:	08/20/2013 0519			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	81		37 - 150
DCB Decachlorobiphenyl	120		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 top**

Lab Sample ID: 460-61467-21
Client Matrix: Solid
% Moisture: 12.2
Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-177324	Instrument ID:	CPESTGC1
Prep Method:	3546	Prep Batch:	460-176986	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/21/2013 1236			Injection Volume:	1 uL
Prep Date:	08/20/2013 0519			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.6	U	1.6	7.6
alpha-BHC		7.6	U	1.7	7.6
beta-BHC		7.6	U	1.8	7.6
delta-BHC		7.6	U	1.4	7.6
gamma-BHC (Lindane)		7.6	U	1.4	7.6
Chlordane		76	U	22	76
4,4'-DDD		7.6	U	1.5	7.6
4,4'-DDE		7.6	U	1.5	7.6
4,4'-DDT		7.6	U	1.8	7.6
Dieldrin		7.6	U	1.4	7.6
Endosulfan I		7.6	U	1.7	7.6
Endosulfan II		7.6	U	1.5	7.6
Endosulfan sulfate		7.6	U	1.5	7.6
Endrin		7.6	U	1.8	7.6
Endrin aldehyde		7.6	U	1.1	7.6
Endrin ketone		7.6	U	1.5	7.6
Heptachlor		7.6	U	1.8	7.6
Heptachlor epoxide		7.6	U	1.7	7.6
Methoxychlor		7.6	U	1.8	7.6
Toxaphene		76	U	20	76

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	140		37 - 150
DCB Decachlorobiphenyl	169	*	60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 top**

Lab Sample ID: 460-61467-21
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-177324	Instrument ID:	CPESTGC1
Prep Method:	3546	Prep Batch:	460-176986	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/21/2013 1236			Injection Volume:	1 uL
Prep Date:	08/20/2013 0519			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	140		37 - 150
DCB Decachlorobiphenyl	144		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 bottom**

Lab Sample ID: 460-61467-22
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-177565	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-177476	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/22/2013 1306			Injection Volume:	1 uL
Prep Date:	08/22/2013 0442			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.5	U	1.6	7.5
alpha-BHC		7.5	U	1.7	7.5
beta-BHC		7.5	U	1.8	7.5
delta-BHC		7.5	U	1.3	7.5
gamma-BHC (Lindane)		7.5	U	1.3	7.5
Chlordane		75	U	21	75
4,4'-DDD		7.5	U	1.4	7.5
4,4'-DDE		7.5	U	1.4	7.5
4,4'-DDT		7.5	U	1.8	7.5
Dieldrin		7.5	U	1.3	7.5
Endosulfan I		7.5	U	1.7	7.5
Endosulfan II		7.5	U	1.4	7.5
Endosulfan sulfate		7.5	U	1.4	7.5
Endrin		7.5	U	1.8	7.5
Endrin aldehyde		7.5	U	1.1	7.5
Endrin ketone		7.5	U	1.4	7.5
Heptachlor		7.5	U	1.8	7.5
Heptachlor epoxide		7.5	U	1.7	7.5
Methoxychlor		7.5	U	1.8	7.5
Toxaphene		75	U	20	75

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	83		37 - 150
DCB Decachlorobiphenyl	84		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 bottom**

Lab Sample ID: 460-61467-22
Client Matrix: Solid
% Moisture: 10.1

Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-177565	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-177476	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/22/2013 1306			Injection Volume:	1 uL
Prep Date:	08/22/2013 0442			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		37 - 150
DCB Decachlorobiphenyl	81		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 top**

Lab Sample ID: 460-61467-25
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 08/16/2013 1130
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-177288	Instrument ID:	CPESTGC1
Prep Method:	3546	Prep Batch:	460-176986	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/20/2013 2323			Injection Volume:	1 uL
Prep Date:	08/20/2013 0519			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		7.9	U	1.7	7.9
alpha-BHC		7.9	U	1.8	7.9
beta-BHC		7.9	U	1.9	7.9
delta-BHC		7.9	U	1.4	7.9
gamma-BHC (Lindane)		7.9	U	1.4	7.9
Chlordane		79	U	22	79
4,4'-DDD		7.9	U	1.5	7.9
4,4'-DDE		7.9	U	1.5	7.9
4,4'-DDT		7.9	U	1.9	7.9
Dieldrin		7.9	U	1.4	7.9
Endosulfan I		7.9	U	1.8	7.9
Endosulfan II		7.9	U	1.5	7.9
Endosulfan sulfate		7.9	U	1.5	7.9
Endrin		7.9	U	1.9	7.9
Endrin aldehyde		7.9	U	1.2	7.9
Endrin ketone		7.9	U	1.5	7.9
Heptachlor		7.9	U	1.9	7.9
Heptachlor epoxide		7.9	U	1.8	7.9
Methoxychlor		7.9	U	1.9	7.9
Toxaphene		79	U	21	79

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		37 - 150
DCB Decachlorobiphenyl	110		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 top**

Lab Sample ID: 460-61467-25
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 08/16/2013 1130
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-177288	Instrument ID:	CPESTGC1
Prep Method:	3546	Prep Batch:	460-176986	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/20/2013 2323			Injection Volume:	1 uL
Prep Date:	08/20/2013 0519			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	93		37 - 150
DCB Decachlorobiphenyl	95		60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 bottom**

Lab Sample ID: 460-61467-26
Client Matrix: Solid
% Moisture: 16.6
Date Sampled: 08/16/2013 1135
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1558			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		8.0	U	1.7	8.0
alpha-BHC		8.0	U	1.8	8.0
beta-BHC		8.0	U	1.9	8.0
delta-BHC		8.0	U	1.4	8.0
gamma-BHC (Lindane)		8.0	U	1.4	8.0
Chlordane		80	U	23	80
4,4'-DDD		8.0	U	1.6	8.0
4,4'-DDE		8.0	U	1.6	8.0
4,4'-DDT		8.0	U	1.9	8.0
Dieldrin		8.0	U	1.4	8.0
Endosulfan I		8.0	U	1.8	8.0
Endosulfan II		8.0	U	1.6	8.0
Endosulfan sulfate		8.0	U	1.6	8.0
Endrin		8.0	U	1.9	8.0
Endrin aldehyde		8.0	U	1.2	8.0
Endrin ketone		8.0	U	1.6	8.0
Heptachlor		8.0	U	1.9	8.0
Heptachlor epoxide		8.0	U	1.8	8.0
Methoxychlor		8.0	U	1.9	8.0
Toxaphene		80	U	22	80

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	149		37 - 150
DCB Decachlorobiphenyl	164	*	60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 bottom**

Lab Sample ID: 460-61467-26
Client Matrix: Solid
% Moisture: 16.6

Date Sampled: 08/16/2013 1135
Date Received: 08/16/2013 1640

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	460-176903	Instrument ID:	CPESTGC4
Prep Method:	3546	Prep Batch:	460-176770	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1558			Injection Volume:	1 uL
Prep Date:	08/19/2013 0519			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	151	*	37 - 150
DCB Decachlorobiphenyl	158	*	60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-2**

Lab Sample ID: 460-61467-2
Client Matrix: Solid
% Moisture: 14.9

Date Sampled: 08/16/2013 0802
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 0906			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		79	U	18	79
Aroclor 1221		79	U	18	79
Aroclor 1232		79	U	18	79
Aroclor 1242		79	U	18	79
Aroclor 1248		79	U	18	79
Aroclor 1254		79	U	22	79
Aroclor 1260		79	U	22	79
Aroclor 1262		79	U	22	79
Aroclor 1268		79	U	22	79

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	87		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-2**

Lab Sample ID: 460-61467-2
Client Matrix: Solid
% Moisture: 14.9

Date Sampled: 08/16/2013 0802
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 0906			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-4**

Lab Sample ID: 460-61467-4
Client Matrix: Solid
% Moisture: 4.2

Date Sampled: 08/16/2013 0806
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 0922			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	16	70
Aroclor 1221		70	U	16	70
Aroclor 1232		70	U	16	70
Aroclor 1242		70	U	16	70
Aroclor 1248		70	U	16	70
Aroclor 1254		70	U	20	70
Aroclor 1260		70	U	20	70
Aroclor 1262		70	U	20	70
Aroclor 1268		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-4**

Lab Sample ID: 460-61467-4
Client Matrix: Solid
% Moisture: 4.2

Date Sampled: 08/16/2013 0806
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 0922			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-6**

Lab Sample ID: 460-61467-6
Client Matrix: Solid
% Moisture: 4.8

Date Sampled: 08/16/2013 0810
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 0938			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		70	U	16	70
Aroclor 1221		70	U	16	70
Aroclor 1232		70	U	16	70
Aroclor 1242		70	U	16	70
Aroclor 1248		70	U	16	70
Aroclor 1254		70	U	20	70
Aroclor 1260		70	U	20	70
Aroclor 1262		70	U	20	70
Aroclor 1268		70	U	20	70

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	61		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-6**

Lab Sample ID: 460-61467-6
Client Matrix: Solid
% Moisture: 4.8

Date Sampled: 08/16/2013 0810
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 0938			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	74		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 top**

Lab Sample ID: 460-61467-7
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 08/15/2013 1520
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 0955			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		73	U	16	73
Aroclor 1221		73	U	16	73
Aroclor 1232		73	U	16	73
Aroclor 1242		73	U	16	73
Aroclor 1248		73	U	16	73
Aroclor 1254		73	U	21	73
Aroclor 1260		73	U	21	73
Aroclor 1262		73	U	21	73
Aroclor 1268		73	U	21	73

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	99		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 top**

Lab Sample ID: 460-61467-7
Client Matrix: Solid
% Moisture: 8.8
Date Sampled: 08/15/2013 1520
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 0955			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	103		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 bottom**

Lab Sample ID: 460-61467-8
Client Matrix: Solid
% Moisture: 9.2

Date Sampled: 08/15/2013 1525
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1011			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		74	U	17	74
Aroclor 1221		74	U	17	74
Aroclor 1232		74	U	17	74
Aroclor 1242		74	U	17	74
Aroclor 1248		74	U	17	74
Aroclor 1254		74	U	21	74
Aroclor 1260		74	U	21	74
Aroclor 1262		74	U	21	74
Aroclor 1268		74	U	21	74

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	101		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 bottom**

Lab Sample ID: 460-61467-8
Client Matrix: Solid
% Moisture: 9.2

Date Sampled: 08/15/2013 1525
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1011			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 top**

Lab Sample ID: 460-61467-11
Client Matrix: Solid
% Moisture: 12.6

Date Sampled: 08/15/2013 1540
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1028			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		76	U	17	76
Aroclor 1221		76	U	17	76
Aroclor 1232		76	U	17	76
Aroclor 1242		76	U	17	76
Aroclor 1248		76	U	17	76
Aroclor 1254		76	U	22	76
Aroclor 1260		76	U	22	76
Aroclor 1262		76	U	22	76
Aroclor 1268		76	U	22	76

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 top**

Lab Sample ID: 460-61467-11
Client Matrix: Solid
% Moisture: 12.6
Date Sampled: 08/15/2013 1540
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1028			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 bottom**

Lab Sample ID: 460-61467-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 08/15/2013 1545
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1044			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		75	U	17	75
Aroclor 1221		75	U	17	75
Aroclor 1232		75	U	17	75
Aroclor 1242		75	U	17	75
Aroclor 1248		75	U	17	75
Aroclor 1254		75	U	21	75
Aroclor 1260		75	U	21	75
Aroclor 1262		75	U	21	75
Aroclor 1268		75	U	21	75

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 bottom**

Lab Sample ID: 460-61467-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 08/15/2013 1545
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.02 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1044			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TW-2**

Lab Sample ID: 460-61467-15
Client Matrix: Water

Date Sampled: 08/15/2013 1610
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-177591	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-177031	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/22/2013 1311			Injection Volume:	1 uL
Prep Date:	08/20/2013 0924			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aroclor 1016	0.40	U	0.27	0.40
Aroclor 1221	0.40	U	0.27	0.40
Aroclor 1232	0.40	U	0.27	0.40
Aroclor 1242	0.40	U	0.27	0.40
Aroclor 1248	0.40	U	0.27	0.40
Aroclor 1254	0.40	U	0.21	0.40
Aroclor 1260	0.40	U	0.21	0.40
Aroclor 1262	0.40	U	0.21	0.40
Aroclor 1268	0.40	U	0.21	0.40
Polychlorinated biphenyls, Total	0.40	U	0.27	0.40

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	68		37 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TW-2**

Lab Sample ID: 460-61467-15
Client Matrix: Water

Date Sampled: 08/15/2013 1610
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-177591	Instrument ID:	CPESTGC8
Prep Method:	3510C	Prep Batch:	460-177031	Initial Weight/Volume:	125 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/22/2013 1311			Injection Volume:	1 uL
Prep Date:	08/20/2013 0924			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	64		37 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 top**

Lab Sample ID: 460-61467-17
Client Matrix: Solid
% Moisture: 9.4
Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1101			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		74	U	16	74
Aroclor 1221		74	U	16	74
Aroclor 1232		74	U	16	74
Aroclor 1242		74	U	16	74
Aroclor 1248		74	U	16	74
Aroclor 1254		74	U	21	74
Aroclor 1260		74	U	21	74
Aroclor 1262		74	U	21	74
Aroclor 1268		74	U	21	74

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	83		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 top**

Lab Sample ID: 460-61467-17
Client Matrix: Solid
% Moisture: 9.4
Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1101			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 bottom**

Lab Sample ID: 460-61467-18
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-177174	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176988	Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/20/2013 2004			Injection Volume:	1 uL
Prep Date:	08/20/2013 0534			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		79	U	18	79
Aroclor 1221		79	U	18	79
Aroclor 1232		79	U	18	79
Aroclor 1242		79	U	18	79
Aroclor 1248		79	U	18	79
Aroclor 1254		63	J	22	79
Aroclor 1260		79	U	22	79
Aroclor 1262		79	U	22	79
Aroclor 1268		79	U	22	79

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	76		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 bottom**

Lab Sample ID: 460-61467-18
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-177174	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176988	Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/20/2013 2004			Injection Volume:	1 uL
Prep Date:	08/20/2013 0534			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	69		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 top**

Lab Sample ID: 460-61467-21
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-177174	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176988	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/20/2013 2022			Injection Volume:	1 uL
Prep Date:	08/20/2013 0534			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		76	U	17	76
Aroclor 1221		76	U	17	76
Aroclor 1232		76	U	17	76
Aroclor 1242		76	U	17	76
Aroclor 1248		76	U	17	76
Aroclor 1254		76	U	22	76
Aroclor 1260		76	U	22	76
Aroclor 1262		76	U	22	76
Aroclor 1268		76	U	22	76

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	67		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 top**

Lab Sample ID: 460-61467-21
Client Matrix: Solid
% Moisture: 12.2
Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-177174	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176988	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/20/2013 2022			Injection Volume:	1 uL
Prep Date:	08/20/2013 0534			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	64		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 bottom**

Lab Sample ID: 460-61467-22
Client Matrix: Solid
% Moisture: 10.1

Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-177174	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176988	Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/20/2013 2041			Injection Volume:	1 uL
Prep Date:	08/20/2013 0534			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		74	U	17	74
Aroclor 1221		74	U	17	74
Aroclor 1232		74	U	17	74
Aroclor 1242		74	U	17	74
Aroclor 1248		74	U	17	74
Aroclor 1254		74	U	21	74
Aroclor 1260		74	U	21	74
Aroclor 1262		74	U	21	74
Aroclor 1268		74	U	21	74

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	78		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 bottom**

Lab Sample ID: 460-61467-22
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-177174	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176988	Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/20/2013 2041			Injection Volume:	1 uL
Prep Date:	08/20/2013 0534			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	73		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 top**

Lab Sample ID: 460-61467-25
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 08/16/2013 1130
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-177174	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176988	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/20/2013 2100			Injection Volume:	1 uL
Prep Date:	08/20/2013 0534			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		79	U	18	79
Aroclor 1221		79	U	18	79
Aroclor 1232		79	U	18	79
Aroclor 1242		79	U	18	79
Aroclor 1248		79	U	18	79
Aroclor 1254		79	U	22	79
Aroclor 1260		79	U	22	79
Aroclor 1262		79	U	22	79
Aroclor 1268		79	U	22	79

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	58		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 top**

Lab Sample ID: 460-61467-25
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 08/16/2013 1130
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-177174	Instrument ID:	CPESTGC11
Prep Method:	3546	Prep Batch:	460-176988	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/20/2013 2100			Injection Volume:	1 uL
Prep Date:	08/20/2013 0534			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	55		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 bottom**

Lab Sample ID: 460-61467-26
Client Matrix: Solid
% Moisture: 16.6
Date Sampled: 08/16/2013 1135
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1118			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		80	U	18	80
Aroclor 1221		80	U	18	80
Aroclor 1232		80	U	18	80
Aroclor 1242		80	U	18	80
Aroclor 1248		80	U	18	80
Aroclor 1254		80	U	23	80
Aroclor 1260		80	U	23	80
Aroclor 1262		80	U	23	80
Aroclor 1268		80	U	23	80

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	86		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 bottom**

Lab Sample ID: 460-61467-26
Client Matrix: Solid
% Moisture: 16.6
Date Sampled: 08/16/2013 1135
Date Received: 08/16/2013 1640

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	460-176805	Instrument ID:	CPESTGC7
Prep Method:	3546	Prep Batch:	460-176771	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/19/2013 1118			Injection Volume:	1 uL
Prep Date:	08/19/2013 0525			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	93		45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 top**

Lab Sample ID: 460-61467-7
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 08/15/2013 1520
Date Received: 08/16/2013 1640

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Analysis Method:	NJDEP EPH	Analysis Batch:	460-176977	Instrument ID:	CBNAGC1
Prep Method:	3546	Prep Batch:	460-176891	Initial Weight/Volume:	15.03 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/20/2013 2107			Injection Volume:	1 uL
Prep Date:	08/19/2013 1359			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total EPH (C9-C40)		160		2.2	2.2

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	111		40 - 140
1-Chlorooctadecane	115		40 - 140

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 bottom**

Lab Sample ID: 460-61467-8
Client Matrix: Solid
% Moisture: 9.2

Date Sampled: 08/15/2013 1525
Date Received: 08/16/2013 1640

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Analysis Method:	NJDEP EPH	Analysis Batch:	460-176977	Instrument ID:	CBNAGC1
Prep Method:	3546	Prep Batch:	460-176891	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/20/2013 2116			Injection Volume:	1 uL
Prep Date:	08/19/2013 1359			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total EPH (C9-C40)		150		2.2	2.2

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	88		40 - 140
1-Chlorooctadecane	87		40 - 140

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 top**

Lab Sample ID: 460-61467-11
Client Matrix: Solid
% Moisture: 12.6

Date Sampled: 08/15/2013 1540
Date Received: 08/16/2013 1640

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Analysis Method:	NJDEP EPH	Analysis Batch:	460-176977	Instrument ID:	CBNAGC1
Prep Method:	3546	Prep Batch:	460-176891	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/20/2013 2131			Injection Volume:	1 uL
Prep Date:	08/19/2013 1359			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total EPH (C9-C40)		110		2.3	2.3

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	96		40 - 140
1-Chlorooctadecane	96		40 - 140

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 bottom**

Lab Sample ID: 460-61467-12
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 08/15/2013 1545
Date Received: 08/16/2013 1640

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Analysis Method:	NJDEP EPH	Analysis Batch:	460-176977	Instrument ID:	CBNAGC1
Prep Method:	3546	Prep Batch:	460-176891	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/20/2013 2158			Injection Volume:	1 uL
Prep Date:	08/19/2013 1359			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total EPH (C9-C40)		87		2.2	2.2

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	97		40 - 140
1-Chlorooctadecane	95		40 - 140

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 top**

Lab Sample ID: 460-61467-17
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Analysis Method:	NJDEP EPH	Analysis Batch:	460-176977	Instrument ID:	CBNAGC1
Prep Method:	3546	Prep Batch:	460-176891	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/20/2013 2210			Injection Volume:	1 uL
Prep Date:	08/19/2013 1359			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total EPH (C9-C40)		170		2.2	2.2

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	86		40 - 140
1-Chlorooctadecane	97		40 - 140

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 bottom**

Lab Sample ID: 460-61467-18
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Analysis Method:	NJDEP EPH	Analysis Batch:	460-177233	Instrument ID:	CBNAGC1
Prep Method:	3546	Prep Batch:	460-176891	Initial Weight/Volume:	15.05 g
Dilution:	5.0			Final Weight/Volume:	2 mL
Analysis Date:	08/21/2013 1551			Injection Volume:	1 uL
Prep Date:	08/19/2013 1359			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total EPH (C9-C40)		1100		12	12

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	70		40 - 140
1-Chlorooctadecane	131		40 - 140

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 top**

Lab Sample ID: 460-61467-21
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Analysis Method:	NJDEP EPH	Analysis Batch:	460-176977	Instrument ID:	CBNAGC1
Prep Method:	3546	Prep Batch:	460-176891	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/20/2013 2240			Injection Volume:	1 uL
Prep Date:	08/19/2013 1359			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total EPH (C9-C40)		210		2.3	2.3

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	90		40 - 140
1-Chlorooctadecane	96		40 - 140

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 bottom**

Lab Sample ID: 460-61467-22
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Analysis Method:	NJDEP EPH	Analysis Batch:	460-176977	Instrument ID:	CBNAGC1
Prep Method:	3546	Prep Batch:	460-176891	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/20/2013 2253			Injection Volume:	1 uL
Prep Date:	08/19/2013 1359			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total EPH (C9-C40)		250		2.2	2.2

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	95		40 - 140
1-Chlorooctadecane	108		40 - 140

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 top**

Lab Sample ID: 460-61467-25
Client Matrix: Solid
% Moisture: 15.4

Date Sampled: 08/16/2013 1130
Date Received: 08/16/2013 1640

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Analysis Method:	NJDEP EPH	Analysis Batch:	460-176977	Instrument ID:	CBNAGC1
Prep Method:	3546	Prep Batch:	460-176891	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/20/2013 2307			Injection Volume:	1 uL
Prep Date:	08/19/2013 1359			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total EPH (C9-C40)		190		2.4	2.4

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	97		40 - 140
1-Chlorooctadecane	97		40 - 140

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 bottom**

Lab Sample ID: 460-61467-26
Client Matrix: Solid
% Moisture: 16.6
Date Sampled: 08/16/2013 1135
Date Received: 08/16/2013 1640

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Analysis Method:	NJDEP EPH	Analysis Batch:	460-176977	Instrument ID:	CBNAGC1
Prep Method:	3546	Prep Batch:	460-176891	Initial Weight/Volume:	15.01 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/20/2013 2322			Injection Volume:	1 uL
Prep Date:	08/19/2013 1359			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL	RL
Total EPH (C9-C40)		130		2.4	2.4

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	91		40 - 140
1-Chlorooctadecane	90		40 - 140

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-1**

Lab Sample ID: 460-61467-1
Client Matrix: Solid
% Moisture: 9.8
Date Sampled: 08/16/2013 0800
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176789	Lab File ID:	08192013.asc
Dilution:	4.0			Initial Weight/Volume:	1.07 g
Analysis Date:	08/19/2013 1758			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0753				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		19.7		0.97	1.0
Barium		200		1.2	41.4
Cadmium		0.51	J	0.15	1.0
Chromium		20.4		0.89	2.1
Lead		192		0.89	1.0
Selenium		2.1	U	1.4	2.1
Silver		2.1	U	0.21	2.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	08/19/2013 1624			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.17		0.013	0.018

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-2**

Lab Sample ID: 460-61467-2
Client Matrix: Solid
% Moisture: 14.9
Date Sampled: 08/16/2013 0802
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Analysis Date:	08/19/2013 1849			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		8.5		1.1	1.2
Barium		146		1.3	46.1
Cadmium		0.80	J	0.17	1.2
Chromium		26.1		0.99	2.3
Lead		174		0.99	1.2
Selenium		2.3	U	1.5	2.3
Silver		0.23	J	0.23	2.3

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	08/19/2013 1626			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.30		0.014	0.020

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-3**

Lab Sample ID: 460-61467-3
Client Matrix: Solid
% Moisture: 11.5
Date Sampled: 08/16/2013 0804
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Analysis Date:	08/19/2013 1852			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		11.6		1.0	1.1
Barium		134		1.3	44.3
Cadmium		0.34	J	0.16	1.1
Chromium		29.8		0.95	2.2
Lead		174		0.95	1.1
Selenium		2.2	U	1.5	2.2
Silver		2.2	U	0.22	2.2

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	08/19/2013 1628			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.22		0.013	0.019

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-4**

Lab Sample ID: 460-61467-4
Client Matrix: Solid
% Moisture: 4.2

Date Sampled: 08/16/2013 0806
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0			Initial Weight/Volume:	1.05 g
Analysis Date:	08/19/2013 1856			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		42.1		0.93	0.99
Barium		102		1.1	39.8
Cadmium		0.87	J	0.15	0.99
Chromium		153		0.85	2.0
Lead		681		0.85	0.99
Selenium		2.0	U	1.3	2.0
Silver		2.0	U	0.20	2.0

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	08/19/2013 1604			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.10		0.013	0.018

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-5**

Lab Sample ID: 460-61467-5
Client Matrix: Solid
% Moisture: 9.1
Date Sampled: 08/16/2013 0808
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0			Initial Weight/Volume:	1.10 g
Analysis Date:	08/19/2013 1907			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		43.0		0.94	1.0
Barium		75.2		1.1	40.0
Cadmium		1.5		0.15	1.0
Chromium		38.9		0.86	2.0
Lead		320		0.86	1.0
Selenium		2.0	U	1.3	2.0
Silver		2.0	U	0.20	2.0

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	08/19/2013 1630			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.17		0.013	0.018

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TS-6**

Lab Sample ID: 460-61467-6
Client Matrix: Solid
% Moisture: 4.8
Date Sampled: 08/16/2013 0810
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0			Initial Weight/Volume:	1.03 g
Analysis Date:	08/19/2013 1911			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		69.4		0.96	1.0
Barium		358		1.2	40.8
Cadmium		0.44	J	0.15	1.0
Chromium		23.0		0.88	2.0
Lead		282		0.88	1.0
Selenium		2.0	U	1.3	2.0
Silver		2.0	U	0.20	2.0

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	08/19/2013 1632			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.15		0.012	0.018

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 top**

Lab Sample ID: 460-61467-7
Client Matrix: Solid
% Moisture: 8.8
Date Sampled: 08/15/2013 1520
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	490-101773	Instrument ID:	ICP6
Prep Method:	3051A	Prep Batch:	490-101667	Lab File ID:	TALS_082113-6B.asc
Dilution:	1.0			Initial Weight/Volume:	0.519 g
Analysis Date:	08/21/2013 1826			Final Weight/Volume:	100 mL
Prep Date:	08/21/2013 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sulfur		314		5.8	52.8

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Analysis Date:	08/19/2013 1914			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7320		19.8	43.4
Antimony		2.2	U	1.3	2.2
Arsenic		1.6		1.0	1.1
Barium		71.7		1.2	43.4
Beryllium		0.26	J	0.16	0.43
Cadmium		1.1	U	0.16	1.1
Calcium		7180		76.9	1090
Chromium		17.7		0.93	2.2
Cobalt		4.9	J	0.92	10.9
Copper		17.2		2.1	5.4
Iron		13500		13.1	32.6
Lead		32.4		0.93	1.1
Magnesium		2930		78.2	1090
Manganese		197		0.96	3.3
Nickel		13.6		0.96	8.7
Potassium		1570		116	1090
Selenium		2.2	U	1.4	2.2
Silver		2.2	U	0.22	2.2
Sodium		1090	U	172	1090
Thallium		2.2	U	1.2	2.2
Vanadium		22.8		0.83	10.9
Zinc		53.3		1.2	6.5

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	460-177387	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-177280	Lab File ID:	08212013.asc
Dilution:	5.0	Leach Batch:	460-176924	Initial Weight/Volume:	50 mL
Analysis Date:	08/21/2013 1453			Final Weight/Volume:	50 mL
Prep Date:	08/21/2013 0835				
Leach Date:	08/19/2013 1649				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		25.0	U	18.6	25.0

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 top**

Lab Sample ID: 460-61467-7
Client Matrix: Solid

Date Sampled: 08/15/2013 1520
Date Received: 08/16/2013 1640

6010B Metals (ICP)-TCLP

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Barium		891	J	29.7	1000
Cadmium		25.0	U	4.1	25.0
Chromium		50.0	U	22.3	50.0
Lead		39.3		20.1	25.0
Selenium		50.0	U	28.8	50.0
Silver		50.0	U	6.7	50.0

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	460-177165	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-177114	Lab File ID:	177107hg1.PRN
Dilution:	1.0	Leach Batch:	460-176924	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 1519			Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 1200				
Leach Date:	08/19/2013 1649				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Mercury		0.20	U	0.16	0.20

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	08/19/2013 1634			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.062		0.013	0.018

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 bottom**

Lab Sample ID: 460-61467-8
Client Matrix: Solid
% Moisture: 9.2
Date Sampled: 08/15/2013 1525
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	490-101773	Instrument ID:	ICP6
Prep Method:	3051A	Prep Batch:	490-101667	Lab File ID:	TALS_082113-6B.asc
Dilution:	1.0			Initial Weight/Volume:	0.513 g
Analysis Date:	08/21/2013 1837			Final Weight/Volume:	100 mL
Prep Date:	08/21/2013 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sulfur		190		5.9	53.6

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0			Initial Weight/Volume:	1.04 g
Analysis Date:	08/19/2013 1835			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8900		19.3	42.3
Antimony		2.1	U	1.3	2.1
Arsenic		1.2		0.99	1.1
Barium		136		1.2	42.3
Beryllium		0.29	J	0.15	0.42
Cadmium		1.1	U	0.16	1.1
Calcium		12200		74.9	1060
Chromium		17.9		0.91	2.1
Cobalt		6.3	J	0.90	10.6
Copper		23.7		2.1	5.3
Iron		15400		12.8	31.8
Lead		33.2		0.91	1.1
Magnesium		4810		76.2	1060
Manganese		232		0.93	3.2
Nickel		16.6		0.93	8.5
Potassium		2730		113	1060
Selenium		2.1	U	1.4	2.1
Silver		2.1	U	0.21	2.1
Sodium		1060	U	167	1060
Thallium		2.1	U	1.2	2.1
Vanadium		25.4		0.81	10.6
Zinc		89.8		1.1	6.4

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	460-177387	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-177280	Lab File ID:	08212013.asc
Dilution:	5.0	Leach Batch:	460-176924	Initial Weight/Volume:	50 mL
Analysis Date:	08/21/2013 1457			Final Weight/Volume:	50 mL
Prep Date:	08/21/2013 0835				
Leach Date:	08/19/2013 1649				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		25.0	U	18.6	25.0

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-4 bottom**

Lab Sample ID: 460-61467-8
Client Matrix: Solid

Date Sampled: 08/15/2013 1525
Date Received: 08/16/2013 1640

6010B Metals (ICP)-TCLP

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Barium		551	J	29.7	1000
Cadmium		25.0	U	4.1	25.0
Chromium		50.0	U	22.3	50.0
Lead		71.1		20.1	25.0
Selenium		50.0	U	28.8	50.0
Silver		50.0	U	6.7	50.0

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	460-177165	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-177114	Lab File ID:	177107hg1.PRN
Dilution:	1.0	Leach Batch:	460-176924	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 1521			Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 1200				
Leach Date:	08/19/2013 1649				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Mercury		0.20	U	0.16	0.20

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	08/19/2013 1635			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.028		0.013	0.018

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **SB-4 top**

Lab Sample ID: 460-61467-9
Client Matrix: Solid
% Moisture: 16.0
Date Sampled: 08/15/2013 1530
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0			Initial Weight/Volume:	1.14 g
Analysis Date:	08/19/2013 1918			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		4.4		0.98	1.0
Barium		722		1.2	41.8
Cadmium		2.3		0.15	1.0
Chromium		21.0		0.90	2.1
Lead		345		0.90	1.0
Selenium		2.1	U	1.4	2.1
Silver		2.1	U	0.21	2.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	08/19/2013 1641			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.11		0.014	0.020

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **SB-4 bottom**

Lab Sample ID: 460-61467-10
Client Matrix: Solid
% Moisture: 9.3
Date Sampled: 08/15/2013 1532
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0			Initial Weight/Volume:	1.08 g
Analysis Date:	08/19/2013 1922			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		1.4		0.96	1.0
Barium		256		1.2	40.8
Cadmium		1.0	U	0.15	1.0
Chromium		18.0		0.88	2.0
Lead		44.4		0.88	1.0
Selenium		2.0	U	1.3	2.0
Silver		2.0	U	0.20	2.0

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	08/19/2013 1643			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.048		0.013	0.018

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 top**

Lab Sample ID: 460-61467-11
Client Matrix: Solid

% Moisture: 12.6

Date Sampled: 08/15/2013 1540
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	490-101773	Instrument ID:	ICP6
Prep Method:	3051A	Prep Batch:	490-101667	Lab File ID:	TALS_082113-6B.asc
Dilution:	1.0			Initial Weight/Volume:	0.503 g
Analysis Date:	08/21/2013 1840			Final Weight/Volume:	100 mL
Prep Date:	08/21/2013 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sulfur		241		6.3	56.8

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0			Initial Weight/Volume:	1.10 g
Analysis Date:	08/19/2013 1925			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7960		18.9	41.6
Antimony		2.1	U	1.3	2.1
Arsenic		4.8		0.98	1.0
Barium		361		1.2	41.6
Beryllium		0.24	J	0.15	0.42
Cadmium		0.15	J	0.15	1.0
Calcium		23300		73.6	1040
Chromium		13.3		0.89	2.1
Cobalt		5.5	J	0.89	10.4
Copper		14.7		2.0	5.2
Iron		14300		12.6	31.2
Lead		224		0.89	1.0
Magnesium		2660		74.9	1040
Manganese		470		0.92	3.1
Nickel		11.0		0.92	8.3
Potassium		845	J	111	1040
Selenium		2.1	U	1.4	2.1
Silver		2.1	U	0.21	2.1
Sodium		377	J	164	1040
Thallium		2.1	U	1.2	2.1
Vanadium		22.3		0.80	10.4
Zinc		176		1.1	6.2

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	460-177387	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-177280	Lab File ID:	08212013.asc
Dilution:	5.0	Leach Batch:	460-176924	Initial Weight/Volume:	50 mL
Analysis Date:	08/21/2013 1500			Final Weight/Volume:	50 mL
Prep Date:	08/21/2013 0835				
Leach Date:	08/19/2013 1649				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		25.0	U	18.6	25.0

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 top**

Lab Sample ID: 460-61467-11
Client Matrix: Solid

Date Sampled: 08/15/2013 1540
Date Received: 08/16/2013 1640

6010B Metals (ICP)-TCLP

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Barium		576	J	29.7	1000
Cadmium		25.0	U	4.1	25.0
Chromium		50.0	U	22.3	50.0
Lead		507		20.1	25.0
Selenium		50.0	U	28.8	50.0
Silver		50.0	U	6.7	50.0

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	460-177165	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-177114	Lab File ID:	177107hg1.PRN
Dilution:	1.0	Leach Batch:	460-176924	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 1528			Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 1200				
Leach Date:	08/19/2013 1649				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Mercury		0.20	U	0.16	0.20

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	08/19/2013 1645			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.057		0.013	0.019

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 bottom**

Lab Sample ID: 460-61467-12
Client Matrix: Solid
% Moisture: 10.9
Date Sampled: 08/15/2013 1545
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	490-101773	Instrument ID:	ICP6
Prep Method:	3051A	Prep Batch:	490-101667	Lab File ID:	TALS_082113-6B.asc
Dilution:	1.0			Initial Weight/Volume:	0.525 g
Analysis Date:	08/21/2013 1844			Final Weight/Volume:	100 mL
Prep Date:	08/21/2013 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sulfur		163		5.9	53.4

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Analysis Date:	08/19/2013 1929			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7570		20.2	44.4
Antimony		2.2	U	1.4	2.2
Arsenic		1.7		1.0	1.1
Barium		168		1.3	44.4
Beryllium		0.31	J	0.16	0.44
Cadmium		1.1	U	0.16	1.1
Calcium		5740		78.6	1110
Chromium		18.3		0.96	2.2
Cobalt		8.0	J	0.95	11.1
Copper		18.9		2.2	5.6
Iron		13100		13.4	33.3
Lead		43.5		0.96	1.1
Magnesium		2650		80.0	1110
Manganese		208		0.98	3.3
Nickel		13.2		0.98	8.9
Potassium		1680		119	1110
Selenium		2.2	U	1.5	2.2
Silver		2.2	U	0.22	2.2
Sodium		1110	U	175	1110
Thallium		2.2	U	1.3	2.2
Vanadium		25.1		0.85	11.1
Zinc		75.8		1.2	6.7

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	460-177387	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-177280	Lab File ID:	08212013.asc
Dilution:	5.0	Leach Batch:	460-176924	Initial Weight/Volume:	50 mL
Analysis Date:	08/21/2013 1427			Final Weight/Volume:	50 mL
Prep Date:	08/21/2013 0835				
Leach Date:	08/19/2013 1649				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		25.0	U	18.6	25.0

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-5 bottom**

Lab Sample ID: 460-61467-12
Client Matrix: Solid

Date Sampled: 08/15/2013 1545
Date Received: 08/16/2013 1640

6010B Metals (ICP)-TCLP

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Barium		915	J	29.7	1000
Cadmium		25.0	U	4.1	25.0
Chromium		50.0	U	22.3	50.0
Lead		87.8		20.1	25.0
Selenium		50.0	U	28.8	50.0
Silver		50.0	U	6.7	50.0

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	460-177165	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-177114	Lab File ID:	177107hg1.PRN
Dilution:	1.0	Leach Batch:	460-176924	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 1530			Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 1200				
Leach Date:	08/19/2013 1649				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Mercury		0.20	U	0.16	0.20

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	08/19/2013 1647			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.051		0.013	0.019

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **SB-5 top**

Lab Sample ID: 460-61467-13
Client Matrix: Solid
% Moisture: 12.1
Date Sampled: 08/15/2013 1550
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0			Initial Weight/Volume:	1.00 g
Analysis Date:	08/19/2013 1932			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		1.8		1.1	1.1
Barium		338		1.3	45.5
Cadmium		0.23	J	0.17	1.1
Chromium		22.1		0.98	2.3
Lead		113		0.98	1.1
Selenium		2.3	U	1.5	2.3
Silver		2.3	U	0.23	2.3

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	08/19/2013 1649			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.43		0.013	0.018

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **SB-5 bottom**

Lab Sample ID: 460-61467-14
Client Matrix: Solid
% Moisture: 3.4
Date Sampled: 08/15/2013 1555
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Analysis Date:	08/19/2013 1936			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		1.0	U	0.95	1.0
Barium		166		1.2	40.6
Cadmium		1.0	U	0.15	1.0
Chromium		38.1		0.87	2.0
Lead		6.9		0.87	1.0
Selenium		2.0	U	1.3	2.0
Silver		2.0	U	0.20	2.0

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	08/19/2013 1652			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	U	0.012	0.017

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TW-2**

Lab Sample ID: 460-61467-15
Client Matrix: Water

Date Sampled: 08/15/2013 1610
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-176793	Lab File ID:	08192013.asc
Dilution:	5.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/19/2013 1802			Final Weight/Volume:	100 mL
Prep Date:	08/19/2013 0815				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	140		18.6	25.0
Barium	18800		29.7	1000
Cadmium	12.5	J	4.1	25.0
Chromium	1170		22.3	50.0
Lead	6780		20.1	25.0
Selenium	50.0	U	28.8	50.0
Silver	50.0	U	6.7	50.0

6010B Metals (ICP)-Dissolved

Analysis Method:	6010B	Analysis Batch:	460-177823	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-177714	Lab File ID:	08232013.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/23/2013 1423			Final Weight/Volume:	100 mL
Prep Date:	08/23/2013 0837				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	5.0	U	3.7	5.0
Barium	67.3	J	5.9	200
Cadmium	5.0	U	0.82	5.0
Chromium	10.0	U	4.5	10.0
Lead	5.0	U	4.0	5.0
Selenium	19.0		5.8	10.0
Silver	10.0	U	1.3	10.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-176854	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-176776	Lab File ID:	176776HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/19/2013 0842			Final Weight/Volume:	30 mL
Prep Date:	08/19/2013 0535				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	5.2		0.16	0.20

7470A Mercury (CVAA)-Dissolved

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **TW-2**

Lab Sample ID: 460-61467-15
Client Matrix: Water

Date Sampled: 08/15/2013 1610
Date Received: 08/16/2013 1640

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	460-177116	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-176991	Lab File ID:	176991HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 0859			Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 0555				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.18	J	0.16	0.20

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 top**

Lab Sample ID: 460-61467-17
Client Matrix: Solid
% Moisture: 9.4
Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	490-101773	Instrument ID:	ICP6
Prep Method:	3051A	Prep Batch:	490-101667	Lab File ID:	TALS_082113-6B.asc
Dilution:	1.0			Initial Weight/Volume:	0.508 g
Analysis Date:	08/21/2013 1848			Final Weight/Volume:	100 mL
Prep Date:	08/21/2013 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sulfur		253		6.0	54.3

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Analysis Date:	08/19/2013 1940			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9950		19.7	43.3
Antimony		2.2	U	1.3	2.2
Arsenic		8.0		1.0	1.1
Barium		185		1.2	43.3
Beryllium		0.34	J	0.16	0.43
Cadmium		0.19	J	0.16	1.1
Calcium		15300		76.6	1080
Chromium		21.3		0.93	2.2
Cobalt		9.0	J	0.92	10.8
Copper		35.2		2.1	5.4
Iron		19800		13.1	32.4
Lead		106		0.93	1.1
Magnesium		3730		77.9	1080
Manganese		379		0.95	3.2
Nickel		17.4		0.95	8.7
Potassium		1720		116	1080
Selenium		2.2	U	1.4	2.2
Silver		2.2	U	0.22	2.2
Sodium		1080	U	171	1080
Thallium		2.2	U	1.2	2.2
Vanadium		27.1		0.83	10.8
Zinc		132		1.2	6.5

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	460-177387	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-177280	Lab File ID:	08212013.asc
Dilution:	5.0	Leach Batch:	460-176924	Initial Weight/Volume:	50 mL
Analysis Date:	08/21/2013 1504			Final Weight/Volume:	50 mL
Prep Date:	08/21/2013 0835				
Leach Date:	08/19/2013 1649				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		25.0	U	18.6	25.0

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 top**

Lab Sample ID: 460-61467-17
Client Matrix: Solid

Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

6010B Metals (ICP)-TCLP

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Barium		1080		29.7	1000
Cadmium		25.0	U	4.1	25.0
Chromium		50.0	U	22.3	50.0
Lead		26.9		20.1	25.0
Selenium		50.0	U	28.8	50.0
Silver		50.0	U	6.7	50.0

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	460-177165	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-177114	Lab File ID:	177107hg1.PRN
Dilution:	1.0	Leach Batch:	460-176924	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 1532			Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 1200				
Leach Date:	08/19/2013 1649				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Mercury		0.20	U	0.16	0.20

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	08/19/2013 1653			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.31		0.013	0.018

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 bottom**

Lab Sample ID: 460-61467-18
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	490-101773	Instrument ID:	ICP6
Prep Method:	3051A	Prep Batch:	490-101667	Lab File ID:	TALS_082113-6B.asc
Dilution:	1.0			Initial Weight/Volume:	0.504 g
Analysis Date:	08/21/2013 1851			Final Weight/Volume:	100 mL
Prep Date:	08/21/2013 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sulfur		282		6.4	58.6

Analysis Method:	6010B	Analysis Batch:	460-176850	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0			Initial Weight/Volume:	1.03 g
Analysis Date:	08/19/2013 1951			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		12300		20.9	45.9
Antimony		2.3	U	1.4	2.3
Arsenic		2.4		1.1	1.1
Barium		109		1.3	45.9
Beryllium		0.36	J	0.17	0.46
Cadmium		1.1	U	0.17	1.1
Calcium		5190		81.2	1150
Chromium		24.2		0.99	2.3
Cobalt		9.7	J	0.98	11.5
Copper		28.0		2.2	5.7
Iron		18600		13.9	34.4
Lead		32.1		0.99	1.1
Magnesium		3480		82.6	1150
Manganese		523		1.0	3.4
Nickel		22.3		1.0	9.2
Potassium		1340		123	1150
Selenium		2.3	U	1.5	2.3
Silver		2.3	U	0.23	2.3
Sodium		323	J	181	1150
Thallium		2.3	U	1.3	2.3
Vanadium		28.6		0.88	11.5
Zinc		45.2		1.2	6.9

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	460-177387	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-177280	Lab File ID:	08212013.asc
Dilution:	5.0	Leach Batch:	460-176924	Initial Weight/Volume:	50 mL
Analysis Date:	08/21/2013 1508			Final Weight/Volume:	50 mL
Prep Date:	08/21/2013 0835				
Leach Date:	08/19/2013 1649				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		25.0	U	18.6	25.0

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-7 bottom**

Lab Sample ID: 460-61467-18
Client Matrix: Solid

Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

6010B Metals (ICP)-TCLP

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Barium		1210		29.7	1000
Cadmium		25.0	U	4.1	25.0
Chromium		50.0	U	22.3	50.0
Lead		123		20.1	25.0
Selenium		50.0	U	28.8	50.0
Silver		50.0	U	6.7	50.0

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	460-177165	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-177114	Lab File ID:	177107hg1.PRN
Dilution:	1.0	Leach Batch:	460-176924	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 1535			Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 1200				
Leach Date:	08/19/2013 1649				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Mercury		0.20	U	0.16	0.20

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176824	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	08/19/2013 1755			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0956				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.054		0.014	0.019

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **SB-7 top**

Lab Sample ID: 460-61467-19
Client Matrix: Solid
% Moisture: 11.9
Date Sampled: 08/16/2013 0940
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-177090	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176945	Lab File ID:	08202013.asc
Dilution:	4.0			Initial Weight/Volume:	1.13 g
Analysis Date:	08/20/2013 1143			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		12.7		0.94	1.0
Barium		927		1.1	40.2
Cadmium		1.2		0.15	1.0
Chromium		20.6		0.86	2.0
Lead		599		0.86	1.0
Selenium		2.0	U	1.3	2.0
Silver		0.60	J	0.20	2.0

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176824	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	08/19/2013 1757			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0956				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.38		0.013	0.018

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **SB-7 bottom**

Lab Sample ID: 460-61467-20
Client Matrix: Solid
% Moisture: 12.1
Date Sampled: 08/16/2013 0945
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-177090	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176945	Lab File ID:	08202013.asc
Dilution:	4.0			Initial Weight/Volume:	1.14 g
Analysis Date:	08/20/2013 1147			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		2.4		0.94	1.0
Barium		104		1.1	39.9
Cadmium		0.97	J	0.15	1.0
Chromium		9.6		0.86	2.0
Lead		190		0.86	1.0
Selenium		2.0	U	1.3	2.0
Silver		2.0	U	0.20	2.0

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176824	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	08/19/2013 1758			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0956				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.36		0.013	0.019

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 top**

Lab Sample ID: 460-61467-21
Client Matrix: Solid
% Moisture: 12.2
Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	490-101773	Instrument ID:	ICP6
Prep Method:	3051A	Prep Batch:	490-101667	Lab File ID:	TALS_082113-6B.asc
Dilution:	1.0			Initial Weight/Volume:	0.504 g
Analysis Date:	08/21/2013 1855			Final Weight/Volume:	100 mL
Prep Date:	08/21/2013 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sulfur		117		6.2	56.5

Analysis Method:	6010B	Analysis Batch:	460-177090	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176945	Lab File ID:	08202013.asc
Dilution:	4.0			Initial Weight/Volume:	1.11 g
Analysis Date:	08/20/2013 1151			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8860		18.7	41.1
Antimony		2.1	U	1.3	2.1
Arsenic		2.8		0.96	1.0
Barium		497		1.2	41.1
Beryllium		0.19	J	0.15	0.41
Cadmium		0.34	J	0.15	1.0
Calcium		33600		72.7	1030
Chromium		21.4		0.88	2.1
Cobalt		8.3	J	0.87	10.3
Copper		29.1		2.0	5.1
Iron		17300		12.4	30.8
Lead		347		0.88	1.0
Magnesium		6350		73.9	1030
Manganese		399		0.90	3.1
Nickel		21.6		0.90	8.2
Potassium		3120		110	1030
Selenium		2.1	U	1.4	2.1
Silver		2.1	U	0.21	2.1
Sodium		176	J	162	1030
Thallium		2.1	U	1.2	2.1
Vanadium		27.1		0.79	10.3
Zinc		269		1.1	6.2

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	460-177387	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-177280	Lab File ID:	08212013.asc
Dilution:	5.0	Leach Batch:	460-176924	Initial Weight/Volume:	50 mL
Analysis Date:	08/21/2013 1512			Final Weight/Volume:	50 mL
Prep Date:	08/21/2013 0835				
Leach Date:	08/19/2013 1649				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		25.0	U	18.6	25.0

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 top**

Lab Sample ID: 460-61467-21
Client Matrix: Solid

Date Sampled: 08/16/2013 0930
Date Received: 08/16/2013 1640

6010B Metals (ICP)-TCLP

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Barium		1600		29.7	1000
Cadmium		25.0	U	4.1	25.0
Chromium		50.0	U	22.3	50.0
Lead		433		20.1	25.0
Selenium		50.0	U	28.8	50.0
Silver		50.0	U	6.7	50.0

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	460-177165	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-177114	Lab File ID:	177107hg1.PRN
Dilution:	1.0	Leach Batch:	460-176924	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 1537			Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 1200				
Leach Date:	08/19/2013 1649				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Mercury		0.20	U	0.16	0.20

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176824	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	08/19/2013 1804			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0956				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.36		0.014	0.019

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 bottom**

Lab Sample ID: 460-61467-22
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	490-101773	Instrument ID:	ICP6
Prep Method:	3051A	Prep Batch:	490-101667	Lab File ID:	TALS_082113-6B.asc
Dilution:	1.0			Initial Weight/Volume:	0.503 g
Analysis Date:	08/21/2013 1859			Final Weight/Volume:	100 mL
Prep Date:	08/21/2013 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sulfur		268		6.1	55.3

Analysis Method:	6010B	Analysis Batch:	460-177090	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176945	Lab File ID:	08202013.asc
Dilution:	4.0			Initial Weight/Volume:	1.13 g
Analysis Date:	08/20/2013 1155			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7610		17.9	39.4
Antimony		2.0	U	1.2	2.0
Arsenic		5.5		0.93	0.98
Barium		419		1.1	39.4
Beryllium		0.20	J	0.14	0.39
Cadmium		0.46	J	0.15	0.98
Calcium		46700		69.7	985
Chromium		14.5		0.85	2.0
Cobalt		6.1	J	0.84	9.8
Copper		25.0		1.9	4.9
Iron		15300		11.9	29.5
Lead		400		0.85	0.98
Magnesium		4510		70.9	985
Manganese		298		0.87	3.0
Nickel		14.4		0.87	7.9
Potassium		1890		105	985
Selenium		2.0	U	1.3	2.0
Silver		2.0	U	0.20	2.0
Sodium		284	J	156	985
Thallium		2.0	U	1.1	2.0
Vanadium		23.6		0.76	9.8
Zinc		258		1.1	5.9

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	460-177387	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-177280	Lab File ID:	08212013.asc
Dilution:	5.0	Leach Batch:	460-176924	Initial Weight/Volume:	50 mL
Analysis Date:	08/21/2013 1516			Final Weight/Volume:	50 mL
Prep Date:	08/21/2013 0835				
Leach Date:	08/19/2013 1649				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		25.0	U	18.6	25.0

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-8 bottom**

Lab Sample ID: 460-61467-22
Client Matrix: Solid

Date Sampled: 08/16/2013 0935
Date Received: 08/16/2013 1640

6010B Metals (ICP)-TCLP

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Barium		904	J	29.7	1000
Cadmium		6.9	J	4.1	25.0
Chromium		50.0	U	22.3	50.0
Lead		316		20.1	25.0
Selenium		50.0	U	28.8	50.0
Silver		50.0	U	6.7	50.0

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	460-177165	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-177114	Lab File ID:	177107hg1.PRN
Dilution:	1.0	Leach Batch:	460-176924	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 1539			Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 1200				
Leach Date:	08/19/2013 1649				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Mercury		0.20	U	0.16	0.20

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176824	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	08/19/2013 1806			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0956				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.25		0.013	0.019

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **SB-8 top**

Lab Sample ID: 460-61467-23
Client Matrix: Solid
% Moisture: 10.6
Date Sampled: 08/16/2013 0940
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-177090	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176945	Lab File ID:	08202013.asc
Dilution:	4.0			Initial Weight/Volume:	1.12 g
Analysis Date:	08/20/2013 1158			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		61.7		0.94	1.0
Barium		1340		1.1	40.0
Cadmium		0.94	J	0.15	1.0
Chromium		18.8		0.86	2.0
Lead		643		0.86	1.0
Selenium		2.0	U	1.3	2.0
Silver		0.25	J	0.20	2.0

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176824	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	08/19/2013 1808			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0956				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.29		0.013	0.019

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **SB-8 bottom**

Lab Sample ID: 460-61467-24
Client Matrix: Solid
% Moisture: 5.9
Date Sampled: 08/16/2013 0945
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-177090	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176945	Lab File ID:	08202013.asc
Dilution:	4.0			Initial Weight/Volume:	1.02 g
Analysis Date:	08/20/2013 0936			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		1.0	U	0.98	1.0
Barium		143		1.2	41.7
Cadmium		0.28	J	0.15	1.0
Chromium		22.8		0.90	2.1
Lead		6.8		0.90	1.0
Selenium		2.1	U	1.4	2.1
Silver		2.1	U	0.21	2.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176824	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	08/19/2013 1809			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0956				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.082		0.012	0.017

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 top**

Lab Sample ID: 460-61467-25
Client Matrix: Solid
% Moisture: 15.4
Date Sampled: 08/16/2013 1130
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	490-101962	Instrument ID:	ICP5
Prep Method:	3051A	Prep Batch:	490-101667	Lab File ID:	TALS_082213-5RUS
Dilution:	1.0			Initial Weight/Volume:	0.497 g
Analysis Date:	08/22/2013 1121			Final Weight/Volume:	100 mL
Prep Date:	08/21/2013 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sulfur		342		6.5	59.5

Analysis Method:	6010B	Analysis Batch:	460-177090	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176945	Lab File ID:	08202013.asc
Dilution:	4.0			Initial Weight/Volume:	1.18 g
Analysis Date:	08/20/2013 1202			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9930		18.2	40.1
Antimony		2.0	U	1.2	2.0
Arsenic		2.9		0.94	1.0
Barium		113		1.1	40.1
Beryllium		0.30	J	0.14	0.40
Cadmium		0.26	J	0.15	1.0
Calcium		6600		70.9	1000
Chromium		15.3		0.86	2.0
Cobalt		7.8	J	0.85	10.0
Copper		28.8		1.9	5.0
Iron		18600		12.1	30.1
Lead		63.8		0.86	1.0
Magnesium		3460		72.1	1000
Manganese		309		0.88	3.0
Nickel		14.9		0.88	8.0
Potassium		2040		107	1000
Selenium		1.3	J	1.3	2.0
Silver		2.0	U	0.20	2.0
Sodium		250	J	158	1000
Thallium		2.0	U	1.1	2.0
Vanadium		20.1		0.77	10.0
Zinc		93.3		1.1	6.0

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	460-177387	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-177280	Lab File ID:	08212013.asc
Dilution:	5.0	Leach Batch:	460-176924	Initial Weight/Volume:	50 mL
Analysis Date:	08/21/2013 1520			Final Weight/Volume:	50 mL
Prep Date:	08/21/2013 0835				
Leach Date:	08/19/2013 1650				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		25.0	U	18.6	25.0

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 top**

Lab Sample ID: 460-61467-25
Client Matrix: Solid

Date Sampled: 08/16/2013 1130
Date Received: 08/16/2013 1640

6010B Metals (ICP)-TCLP

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Barium		571	J	29.7	1000
Cadmium		25.0	U	4.1	25.0
Chromium		50.0	U	22.3	50.0
Lead		74.4		20.1	25.0
Selenium		50.0	U	28.8	50.0
Silver		50.0	U	6.7	50.0

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	460-177402	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-177333	Lab File ID:	177333hg1.PRN
Dilution:	1.0	Leach Batch:	460-176924	Initial Weight/Volume:	30 mL
Analysis Date:	08/21/2013 1322			Final Weight/Volume:	30 mL
Prep Date:	08/21/2013 1150				
Leach Date:	08/19/2013 1650				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Mercury		0.20	U	0.16	0.20

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176824	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Analysis Date:	08/19/2013 1812			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0956				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.21		0.014	0.019

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 bottom**

Lab Sample ID: 460-61467-26
Client Matrix: Solid
% Moisture: 16.6
Date Sampled: 08/16/2013 1135
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	490-101962	Instrument ID:	ICP5
Prep Method:	3051A	Prep Batch:	490-101667	Lab File ID:	TALS_082213-5RUS
Dilution:	1.0			Initial Weight/Volume:	0.506 g
Analysis Date:	08/22/2013 1124			Final Weight/Volume:	100 mL
Prep Date:	08/21/2013 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Sulfur		92.5		6.5	59.3

Analysis Method:	6010B	Analysis Batch:	460-177090	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176945	Lab File ID:	08202013.asc
Dilution:	4.0			Initial Weight/Volume:	1.23 g
Analysis Date:	08/20/2013 1205			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		11000		17.7	39.0
Antimony		2.0	U	1.2	2.0
Arsenic		3.2		0.92	0.98
Barium		124		1.1	39.0
Beryllium		0.31	J	0.14	0.39
Cadmium		0.36	J	0.14	0.98
Calcium		8280		69.0	975
Chromium		19.0		0.84	2.0
Cobalt		8.4	J	0.83	9.8
Copper		28.0		1.9	4.9
Iron		26900		11.8	29.3
Lead		28.1		0.84	0.98
Magnesium		4250		70.2	975
Manganese		638		0.86	2.9
Nickel		17.1		0.86	7.8
Potassium		2300		104	975
Selenium		2.0	U	1.3	2.0
Silver		2.0	U	0.20	2.0
Sodium		307	J	154	975
Thallium		2.0	U	1.1	2.0
Vanadium		25.1		0.75	9.8
Zinc		85.3		1.1	5.9

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	460-177387	Instrument ID:	ICP5
Prep Method:	3010A	Prep Batch:	460-177280	Lab File ID:	08212013.asc
Dilution:	5.0	Leach Batch:	460-176924	Initial Weight/Volume:	50 mL
Analysis Date:	08/21/2013 1524			Final Weight/Volume:	50 mL
Prep Date:	08/21/2013 0835				
Leach Date:	08/19/2013 1650				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Arsenic		25.0	U	18.6	25.0

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **WC-6 bottom**

Lab Sample ID: 460-61467-26
Client Matrix: Solid

Date Sampled: 08/16/2013 1135
Date Received: 08/16/2013 1640

6010B Metals (ICP)-TCLP

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Barium		626	J	29.7	1000
Cadmium		25.0	U	4.1	25.0
Chromium		50.0	U	22.3	50.0
Lead		113		20.1	25.0
Selenium		50.0	U	28.8	50.0
Silver		50.0	U	6.7	50.0

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	460-177402	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-177333	Lab File ID:	177333hg1.PRN
Dilution:	1.0	Leach Batch:	460-176924	Initial Weight/Volume:	30 mL
Analysis Date:	08/21/2013 1324			Final Weight/Volume:	30 mL
Prep Date:	08/21/2013 1150				
Leach Date:	08/19/2013 1650				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	MDL	RL
Mercury		0.20	U	0.16	0.20

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176824	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	08/19/2013 1813			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0956				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.14		0.014	0.020

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **SB-6 top**

Lab Sample ID: 460-61467-27
Client Matrix: Solid
% Moisture: 15.2
Date Sampled: 08/16/2013 1140
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-177090	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176945	Lab File ID:	08202013.asc
Dilution:	4.0			Initial Weight/Volume:	1.12 g
Analysis Date:	08/20/2013 1217			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		3.3		0.99	1.1
Barium		850		1.2	42.1
Cadmium		0.47	J	0.16	1.1
Chromium		11.1		0.91	2.1
Lead		440		0.91	1.1
Selenium		2.1	U	1.4	2.1
Silver		0.22	J	0.21	2.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176824	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	08/19/2013 1815			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0956				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.35		0.014	0.020

Client: AKRF Inc

Job Number: 460-61467-1

Client Sample ID: **SB-6 bottom**

Lab Sample ID: 460-61467-28
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 08/16/2013 1145
Date Received: 08/16/2013 1640

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-177090	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	460-176945	Lab File ID:	08202013.asc
Dilution:	4.0			Initial Weight/Volume:	1.12 g
Analysis Date:	08/20/2013 1220			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1600				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		2.9		0.98	1.0
Barium		125		1.2	41.9
Cadmium		0.33	J	0.16	1.0
Chromium		48.4		0.90	2.1
Lead		11.8		0.90	1.0
Selenium		2.1	U	1.4	2.1
Silver		2.1	U	0.21	2.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-176824	Lab File ID:	176822.PRN
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Analysis Date:	08/19/2013 1817			Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0956				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.020	U	0.014	0.020

General Chemistry

Client Sample ID: **TS-1**

Lab Sample ID: 460-61467-1

Client Matrix: Solid

Date Sampled: 08/16/2013 0800

Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N
Percent Solids	90.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N

General Chemistry

Client Sample ID: **TS-2**

Lab Sample ID: 460-61467-2

Client Matrix: Solid

Date Sampled: 08/16/2013 0802

Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176904	Analysis Date: 08/19/2013 1528						DryWt Corrected: N
Percent Solids	85.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176904	Analysis Date: 08/19/2013 1528						DryWt Corrected: N

General Chemistry

Client Sample ID: **TS-3**

Lab Sample ID: 460-61467-3

Client Matrix: Solid

Date Sampled: 08/16/2013 0804

Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N
Percent Solids	88.5		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N

General Chemistry

Client Sample ID: **TS-4**

Lab Sample ID: 460-61467-4

Client Matrix: Solid

Date Sampled: 08/16/2013 0806

Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N
Percent Solids	95.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N

General Chemistry

Client Sample ID: **TS-5**

Lab Sample ID: 460-61467-5 Date Sampled: 08/16/2013 0808

Client Matrix: Solid Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N
Percent Solids	90.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N

General Chemistry

Client Sample ID: **TS-6**

Lab Sample ID: 460-61467-6

Client Matrix: Solid

Date Sampled: 08/16/2013 0810

Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176904	Analysis Date: 08/19/2013 1528						DryWt Corrected: N
Percent Solids	95.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176904	Analysis Date: 08/19/2013 1528						DryWt Corrected: N

General Chemistry

Client Sample ID: **WC-4 top**

Lab Sample ID: 460-61467-7 Date Sampled: 08/15/2013 1520
Client Matrix: Solid % Moisture: 8.8 Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	2.2	U	mg/Kg	0.55	2.2	1.0	7196A
Analysis Batch: 460-177179	Analysis Date: 08/21/2013 1322						DryWt Corrected: Y
Prep Batch: 460-177143	Prep Date: 08/20/2013 1158						
Cyanide, Total	0.11	U	mg/Kg	0.060	0.11	1.0	9012A
Analysis Batch: 460-176729	Analysis Date: 08/18/2013 1153						DryWt Corrected: Y
Prep Batch: 460-176706	Prep Date: 08/17/2013 2002						
Sulfide, Reactive	20.0	U	mg/Kg	13.0	20.0	1.0	9034
Analysis Batch: 460-177547	Analysis Date: 08/22/2013 1100						DryWt Corrected: N
Prep Batch: 460-177546	Prep Date: 08/22/2013 1000						

Analyte	Result	Qual	Units			Dil	Method
pH	8.41	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1742						DryWt Corrected: N
Corrosivity	8.41	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1742						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-177078	Analysis Date: 08/20/2013 1000						DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
Analysis Batch: 460-177555	Analysis Date: 08/22/2013 1100						DryWt Corrected: N
Prep Batch: 460-177553	Prep Date: 08/22/2013 1000						
Percent Moisture	8.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176904	Analysis Date: 08/19/2013 1528						DryWt Corrected: N
Percent Solids	91.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176904	Analysis Date: 08/19/2013 1528						DryWt Corrected: N

General Chemistry

Client Sample ID: **WC-4 bottom**

Lab Sample ID: 460-61467-8 Date Sampled: 08/15/2013 1525
Client Matrix: Solid % Moisture: 9.2 Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	2.2	U	mg/Kg	0.55	2.2	1.0	7196A
Analysis Batch: 460-177179	Analysis Date: 08/21/2013 1322						DryWt Corrected: Y
Prep Batch: 460-177143	Prep Date: 08/20/2013 1158						
Cyanide, Total	0.11	U	mg/Kg	0.061	0.11	1.0	9012A
Analysis Batch: 460-176729	Analysis Date: 08/18/2013 1154						DryWt Corrected: Y
Prep Batch: 460-176706	Prep Date: 08/17/2013 2002						
Sulfide, Reactive	20.0	U	mg/Kg	13.0	20.0	1.0	9034
Analysis Batch: 460-177547	Analysis Date: 08/22/2013 1100						DryWt Corrected: N
Prep Batch: 460-177546	Prep Date: 08/22/2013 1000						

Analyte	Result	Qual	Units			Dil	Method
pH	8.66	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1743						DryWt Corrected: N
Corrosivity	8.66	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1743						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-177078	Analysis Date: 08/20/2013 1000						DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
Analysis Batch: 460-177555	Analysis Date: 08/22/2013 1100						DryWt Corrected: N
Prep Batch: 460-177553	Prep Date: 08/22/2013 1000						
Percent Moisture	9.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N
Percent Solids	90.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-4 top**

Lab Sample ID: 460-61467-9

Client Matrix: Solid

Date Sampled: 08/15/2013 1530

Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176904	Analysis Date: 08/19/2013 1528						DryWt Corrected: N
Percent Solids	84.0		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176904	Analysis Date: 08/19/2013 1528						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-4 bottom**

Lab Sample ID: 460-61467-10 Date Sampled: 08/15/2013 1532

Client Matrix: Solid Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.3		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176904	Analysis Date: 08/19/2013 1528						DryWt Corrected: N
Percent Solids	90.7		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176904	Analysis Date: 08/19/2013 1528						DryWt Corrected: N

General Chemistry

Client Sample ID: **WC-5 top**

Lab Sample ID: 460-61467-11 Date Sampled: 08/15/2013 1540
Client Matrix: Solid % Moisture: 12.6 Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	2.2	U	mg/Kg	0.55	2.2	1.0	7196A
Analysis Batch: 460-177179	Analysis Date: 08/21/2013 1322						DryWt Corrected: Y
Prep Batch: 460-177143	Prep Date: 08/20/2013 1158						
Cyanide, Total	0.11	U	mg/Kg	0.063	0.11	1.0	9012A
Analysis Batch: 460-176729	Analysis Date: 08/18/2013 1159						DryWt Corrected: Y
Prep Batch: 460-176706	Prep Date: 08/17/2013 2002						
Sulfide, Reactive	20.0	U	mg/Kg	13.0	20.0	1.0	9034
Analysis Batch: 460-177547	Analysis Date: 08/22/2013 1100						DryWt Corrected: N
Prep Batch: 460-177546	Prep Date: 08/22/2013 1000						

Analyte	Result	Qual	Units			Dil	Method
pH	6.78	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1745						DryWt Corrected: N
Corrosivity	6.78	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1745						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-177078	Analysis Date: 08/20/2013 1000						DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
Analysis Batch: 460-177555	Analysis Date: 08/22/2013 1100						DryWt Corrected: N
Prep Batch: 460-177553	Prep Date: 08/22/2013 1000						
Percent Moisture	12.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N
Percent Solids	87.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N

General Chemistry

Client Sample ID: **WC-5 bottom**

Lab Sample ID: 460-61467-12 Date Sampled: 08/15/2013 1545
Client Matrix: Solid % Moisture: 10.9 Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	2.3	U	mg/Kg	0.58	2.3	1.0	7196A
Analysis Batch: 460-177179	Analysis Date: 08/21/2013 1322						DryWt Corrected: Y
Prep Batch: 460-177143	Prep Date: 08/20/2013 1158						
Cyanide, Total	0.11	U	mg/Kg	0.062	0.11	1.0	9012A
Analysis Batch: 460-176729	Analysis Date: 08/18/2013 1200						DryWt Corrected: Y
Prep Batch: 460-176706	Prep Date: 08/17/2013 2002						
Sulfide, Reactive	20.0	U	mg/Kg	13.0	20.0	1.0	9034
Analysis Batch: 460-177547	Analysis Date: 08/22/2013 1100						DryWt Corrected: N
Prep Batch: 460-177546	Prep Date: 08/22/2013 1000						

Analyte	Result	Qual	Units			Dil	Method
pH	7.91	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1747						DryWt Corrected: N
Corrosivity	7.91	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1747						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-177078	Analysis Date: 08/20/2013 1000						DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
Analysis Batch: 460-177555	Analysis Date: 08/22/2013 1100						DryWt Corrected: N
Prep Batch: 460-177553	Prep Date: 08/22/2013 1000						
Percent Moisture	10.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N
Percent Solids	89.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-5 top**

Lab Sample ID: 460-61467-13

Client Matrix: Solid

Date Sampled: 08/15/2013 1550

Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N
Percent Solids	87.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-5 bottom**

Lab Sample ID: 460-61467-14

Client Matrix: Solid

Date Sampled: 08/15/2013 1555

Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N
Percent Solids	96.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N

General Chemistry

Client Sample ID: **WC-7 top**

Lab Sample ID: 460-61467-17 Date Sampled: 08/16/2013 0930
Client Matrix: Solid % Moisture: 9.4 Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	2.2	U	mg/Kg	0.55	2.2	1.0	7196A
Analysis Batch: 460-177179	Analysis Date: 08/21/2013 1222						DryWt Corrected: Y
Prep Batch: 460-177143	Prep Date: 08/20/2013 1158						
Cyanide, Total	0.11	U	mg/Kg	0.061	0.11	1.0	9012A
Analysis Batch: 460-176729	Analysis Date: 08/18/2013 1201						DryWt Corrected: Y
Prep Batch: 460-176706	Prep Date: 08/17/2013 2002						
Sulfide, Reactive	20.0	U	mg/Kg	13.0	20.0	1.0	9034
Analysis Batch: 460-177840	Analysis Date: 08/23/2013 1630						DryWt Corrected: N
Prep Batch: 460-177839	Prep Date: 08/23/2013 1030						

Analyte	Result	Qual	Units			Dil	Method
pH	8.57	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1749						DryWt Corrected: N
Corrosivity	8.57	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1749						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-177078	Analysis Date: 08/20/2013 1000						DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
Analysis Batch: 460-177847	Analysis Date: 08/23/2013 1630						DryWt Corrected: N
Prep Batch: 460-177844	Prep Date: 08/23/2013 1030						
Percent Moisture	9.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N
Percent Solids	90.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N

General Chemistry

Client Sample ID: **WC-7 bottom**

Lab Sample ID: 460-61467-18 Date Sampled: 08/16/2013 0935
Client Matrix: Solid % Moisture: 15.4 Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	2.4	U	mg/Kg	0.60	2.4	1.0	7196A
Analysis Batch: 460-177179	Analysis Date: 08/21/2013 1322						DryWt Corrected: Y
Prep Batch: 460-177143	Prep Date: 08/20/2013 1158						
Cyanide, Total	0.12	U	mg/Kg	0.065	0.12	1.0	9012A
Analysis Batch: 460-176729	Analysis Date: 08/18/2013 1202						DryWt Corrected: Y
Prep Batch: 460-176706	Prep Date: 08/17/2013 2002						
Sulfide, Reactive	20.0	U	mg/Kg	13.0	20.0	1.0	9034
Analysis Batch: 460-177840	Analysis Date: 08/23/2013 1630						DryWt Corrected: N
Prep Batch: 460-177839	Prep Date: 08/23/2013 1030						

Analyte	Result	Qual	Units			Dil	Method
pH	7.44	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1750						DryWt Corrected: N
Corrosivity	7.44	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1750						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-177078	Analysis Date: 08/20/2013 1000						DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
Analysis Batch: 460-177847	Analysis Date: 08/23/2013 1630						DryWt Corrected: N
Prep Batch: 460-177844	Prep Date: 08/23/2013 1030						
Percent Moisture	15.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176904	Analysis Date: 08/19/2013 1528						DryWt Corrected: N
Percent Solids	84.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176904	Analysis Date: 08/19/2013 1528						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-7 top**

Lab Sample ID: 460-61467-19

Client Matrix: Solid

Date Sampled: 08/16/2013 0940

Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176946	Analysis Date: 08/19/2013 1750						DryWt Corrected: N
Percent Solids	88.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176946	Analysis Date: 08/19/2013 1750						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-7 bottom**

Lab Sample ID: 460-61467-20 Date Sampled: 08/16/2013 0945

Client Matrix: Solid Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176946	Analysis Date: 08/19/2013 1750						DryWt Corrected: N
Percent Solids	87.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176946	Analysis Date: 08/19/2013 1750						DryWt Corrected: N

General Chemistry

Client Sample ID: **WC-8 top**

Lab Sample ID: 460-61467-21 Date Sampled: 08/16/2013 0930
Client Matrix: Solid % Moisture: 12.2 Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	2.3	U	mg/Kg	0.58	2.3	1.0	7196A
Analysis Batch: 460-177179	Analysis Date: 08/21/2013 1322						DryWt Corrected: Y
Prep Batch: 460-177143	Prep Date: 08/20/2013 1158						
Cyanide, Total	0.16		mg/Kg	0.063	0.11	1.0	9012A
Analysis Batch: 460-176729	Analysis Date: 08/18/2013 1202						DryWt Corrected: Y
Prep Batch: 460-176706	Prep Date: 08/17/2013 2002						
Sulfide, Reactive	20.0	U	mg/Kg	13.0	20.0	1.0	9034
Analysis Batch: 460-177840	Analysis Date: 08/23/2013 1630						DryWt Corrected: N
Prep Batch: 460-177839	Prep Date: 08/23/2013 1030						

Analyte	Result	Qual	Units			Dil	Method
pH	8.71	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1751						DryWt Corrected: N
Corrosivity	8.71	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1751						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-177078	Analysis Date: 08/20/2013 1000						DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
Analysis Batch: 460-177847	Analysis Date: 08/23/2013 1630						DryWt Corrected: N
Prep Batch: 460-177844	Prep Date: 08/23/2013 1030						
Percent Moisture	12.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N
Percent Solids	87.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N

General Chemistry

Client Sample ID: **WC-8 bottom**

Lab Sample ID: 460-61467-22 Date Sampled: 08/16/2013 0935
Client Matrix: Solid % Moisture: 10.1 Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	2.2	U	mg/Kg	0.54	2.2	1.0	7196A
Analysis Batch: 460-177179	Analysis Date: 08/21/2013 1322						DryWt Corrected: Y
Prep Batch: 460-177143	Prep Date: 08/20/2013 1158						
Cyanide, Total	0.12		mg/Kg	0.061	0.11	1.0	9012A
Analysis Batch: 460-176740	Analysis Date: 08/18/2013 1330						DryWt Corrected: Y
Prep Batch: 460-176725	Prep Date: 08/18/2013 1100						
Sulfide, Reactive	20.0	U	mg/Kg	13.0	20.0	1.0	9034
Analysis Batch: 460-177840	Analysis Date: 08/23/2013 1630						DryWt Corrected: N
Prep Batch: 460-177839	Prep Date: 08/23/2013 1030						

Analyte	Result	Qual	Units			Dil	Method
pH	8.34	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1754						DryWt Corrected: N
Corrosivity	8.34	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1754						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-177078	Analysis Date: 08/20/2013 1000						DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
Analysis Batch: 460-177847	Analysis Date: 08/23/2013 1630						DryWt Corrected: N
Prep Batch: 460-177844	Prep Date: 08/23/2013 1030						
Percent Moisture	10.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N
Percent Solids	89.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176914	Analysis Date: 08/19/2013 1556						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-8 top**

Lab Sample ID: 460-61467-23 Date Sampled: 08/16/2013 0940

Client Matrix: Solid Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176948	Analysis Date: 08/19/2013 1816						DryWt Corrected: N
Percent Solids	89.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176948	Analysis Date: 08/19/2013 1816						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-8 bottom**

Lab Sample ID: 460-61467-24

Client Matrix: Solid

Date Sampled: 08/16/2013 0945

Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.9		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176948	Analysis Date: 08/19/2013 1816						DryWt Corrected: N
Percent Solids	94.1		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176948	Analysis Date: 08/19/2013 1816						DryWt Corrected: N

General Chemistry

Client Sample ID: **WC-6 top**

Lab Sample ID: 460-61467-25 Date Sampled: 08/16/2013 1130
Client Matrix: Solid % Moisture: 15.4 Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	2.4	U	mg/Kg	0.59	2.4	1.0	7196A
Analysis Batch: 460-177179	Analysis Date: 08/21/2013 1322						DryWt Corrected: Y
Prep Batch: 460-177143	Prep Date: 08/20/2013 1158						
Cyanide, Total	0.12	U	mg/Kg	0.065	0.12	1.0	9012A
Analysis Batch: 460-176729	Analysis Date: 08/18/2013 1204						DryWt Corrected: Y
Prep Batch: 460-176706	Prep Date: 08/17/2013 2002						
Sulfide, Reactive	20.0	U	mg/Kg	13.0	20.0	1.0	9034
Analysis Batch: 460-177840	Analysis Date: 08/23/2013 1630						DryWt Corrected: N
Prep Batch: 460-177839	Prep Date: 08/23/2013 1030						

Analyte	Result	Qual	Units			Dil	Method
pH	8.89	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1757						DryWt Corrected: N
Corrosivity	8.89	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1757						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-177078	Analysis Date: 08/20/2013 1000						DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
Analysis Batch: 460-177847	Analysis Date: 08/23/2013 1630						DryWt Corrected: N
Prep Batch: 460-177844	Prep Date: 08/23/2013 1030						
Percent Moisture	15.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176904	Analysis Date: 08/19/2013 1528						DryWt Corrected: N
Percent Solids	84.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176904	Analysis Date: 08/19/2013 1528						DryWt Corrected: N

General Chemistry

Client Sample ID: **WC-6 bottom**

Lab Sample ID: 460-61467-26 Date Sampled: 08/16/2013 1135
Client Matrix: Solid % Moisture: 16.6 Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (VI)	2.4	U	mg/Kg	0.59	2.4	1.0	7196A
Analysis Batch: 460-177179	Analysis Date: 08/21/2013 1322						DryWt Corrected: Y
Prep Batch: 460-177143	Prep Date: 08/20/2013 1158						
Cyanide, Total	0.12	U	mg/Kg	0.066	0.12	1.0	9012A
Analysis Batch: 460-176729	Analysis Date: 08/18/2013 1205						DryWt Corrected: Y
Prep Batch: 460-176706	Prep Date: 08/17/2013 2002						
Sulfide, Reactive	20.0	U	mg/Kg	13.0	20.0	1.0	9034
Analysis Batch: 460-177840	Analysis Date: 08/23/2013 1630						DryWt Corrected: N
Prep Batch: 460-177839	Prep Date: 08/23/2013 1030						

Analyte	Result	Qual	Units			Dil	Method
pH	7.01	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1759						DryWt Corrected: N
Corrosivity	7.01	HF	SU			1.0	9045C
Analysis Batch: 460-177438	Analysis Date: 08/21/2013 1759						DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Burn Rate	2.20	U	mm/sec	2.20	2.20	1.0	1030
Analysis Batch: 460-177078	Analysis Date: 08/20/2013 1000						DryWt Corrected: N
Cyanide, Reactive	25.0	U	mg/Kg	25.0	25.0	1.0	9014
Analysis Batch: 460-177847	Analysis Date: 08/23/2013 1630						DryWt Corrected: N
Prep Batch: 460-177844	Prep Date: 08/23/2013 1030						
Percent Moisture	16.6		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176904	Analysis Date: 08/19/2013 1528						DryWt Corrected: N
Percent Solids	83.4		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176904	Analysis Date: 08/19/2013 1528						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-6 top**

Lab Sample ID: 460-61467-27 Date Sampled: 08/16/2013 1140

Client Matrix: Solid Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176948	Analysis Date: 08/19/2013 1816						DryWt Corrected: N
Percent Solids	84.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176948	Analysis Date: 08/19/2013 1816						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-6 bottom**

Lab Sample ID: 460-61467-28

Client Matrix: Solid

Date Sampled: 08/16/2013 1145

Date Received: 08/16/2013 1640

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14.8		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176948	Analysis Date: 08/19/2013 1816						DryWt Corrected: N
Percent Solids	85.2		%	1.0	1.0	1.0	Moisture
Analysis Batch: 460-176948	Analysis Date: 08/19/2013 1816						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: AKRF Inc

Job Number: 460-61467-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	LCS or LCSD exceeds the control limits
	*	MS or MSD exceeds the control limits
	*	RPD of the LCS and LCSD exceeds the control limits
	H	Sample was prepped or analyzed beyond the specified holding time
	*	Surrogate exceeds the control limit
	N	This flag indicates the presumptive evidence of a compound.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	*	Duplicate RPD exceeds control limits
	J	Indicates an estimated value.
	*	LCS or LCSD exceeds the control limits
	*	MS or MSD exceeds the control limits
	A	The tentatively identified compound is a suspected aldol-condensation product.
	N	This flag indicates the presumptive evidence of a compound.
GC Semi VOA		
	U	Analyzed for but not detected.
	*	Duplicate RPD exceeds control limits
	J	Indicates an estimated value.
	*	MS or MSD exceeds the control limits
	*	Surrogate exceeds the control limit

DATA REPORTING QUALIFIERS

Client: AKRF Inc

Job Number: 460-61467-1

Lab Section	Qualifier	Description
Metals		
	*	Duplicate analysis not within control limits.
	U	Indicates analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Sample result is greater than the MDL but below the CRDL
	N	Spiked sample recovery is not within control limits.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	U	Indicates analyzed for but not detected.

QUALITY CONTROL RESULTS

Client: AKRF Inc

Job Number: 460-61467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 460-176682					
460-61467-18	WC-7 bottom	T	Solid	5035	
Prep Batch: 460-176684					
460-61467-7	WC-4 top	T	Solid	5035	
460-61467-8	WC-4 bottom	T	Solid	5035	
460-61467-11	WC-5 top	T	Solid	5035	
460-61467-12	WC-5 bottom	T	Solid	5035	
460-61467-17	WC-7 top	T	Solid	5035	
460-61467-21	WC-8 top	T	Solid	5035	
460-61467-22	WC-8 bottom	T	Solid	5035	
460-61467-25	WC-6 top	T	Solid	5035	
Analysis Batch:460-177316					
LCS 460-177316/4	Lab Control Sample	T	Solid	8260B	
LCSD 460-177316/6	Lab Control Sample Duplicate	T	Solid	8260B	
MB 460-177316/8	Method Blank	T	Solid	8260B	
460-61467-7	WC-4 top	T	Solid	8260B	460-176684
460-61467-12	WC-5 bottom	T	Solid	8260B	460-176684
460-61467-17	WC-7 top	T	Solid	8260B	460-176684
460-61467-21	WC-8 top	T	Solid	8260B	460-176684
460-61467-22	WC-8 bottom	T	Solid	8260B	460-176684
460-61467-25	WC-6 top	T	Solid	8260B	460-176684
Analysis Batch:460-177483					
LCS 460-177483/4	Lab Control Sample	T	Solid	8260B	
LCSD 460-177483/5	Lab Control Sample Duplicate	T	Solid	8260B	
MB 460-177483/7	Method Blank	T	Solid	8260B	
460-61467-8	WC-4 bottom	T	Solid	8260B	460-176684
460-61467-11	WC-5 top	T	Solid	8260B	460-176684
Analysis Batch:460-177495					
LCS 460-177495/3	Lab Control Sample	T	Solid	8260B	
LCSD 460-177495/4	Lab Control Sample Duplicate	T	Solid	8260B	
MB 460-177495/7	Method Blank	T	Solid	8260B	
460-61467-18	WC-7 bottom	T	Solid	8260B	460-176682
Analysis Batch:460-177665					
LCS 460-177665/4	Lab Control Sample	T	Water	8260B	
MB 460-177665/6	Method Blank	T	Water	8260B	
460-61247-B-1 MS	Matrix Spike	T	Water	8260B	
460-61247-B-1 MSD	Matrix Spike Duplicate	T	Water	8260B	
460-61467-15	TW-2	T	Water	8260B	
460-61467-16TB	TB	T	Water	8260B	

Client: AKRF Inc

Job Number: 460-61467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 460-177937					
LB3 460-177937/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	5035	
460-61467-26	WC-6 bottom	T	Solid	5035	
Analysis Batch:460-178287					
LCS 460-178287/3	Lab Control Sample	T	Solid	8260B	
LCSD 460-178287/4	Lab Control Sample Duplicate	T	Solid	8260B	
MB 460-178287/6	Method Blank	T	Solid	8260B	
LB3 460-177937/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	8260B	460-177937
460-61467-26	WC-6 bottom	T	Solid	8260B	460-177937

Report Basis
T = Total

Client: AKRF Inc

Job Number: 460-61467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 460-176664					
LCS 460-176664/2-A	Lab Control Sample	T	Water	3510C	
MB 460-176664/1-A	Method Blank	T	Water	3510C	
460-61356-H-6-A MS	Matrix Spike	T	Water	3510C	
460-61356-G-6-C MSD	Matrix Spike Duplicate	T	Water	3510C	
460-61467-15	TW-2	T	Water	3510C	
Prep Batch: 460-176844					
LCS 460-176844/2-A	Lab Control Sample	T	Solid	3541	
MB 460-176844/1-A	Method Blank	T	Solid	3541	
460-61467-2	TS-2	T	Solid	3541	
460-61467-4	TS-4	T	Solid	3541	
460-61467-6	TS-6	T	Solid	3541	
460-61467-7	WC-4 top	T	Solid	3541	
460-61467-8	WC-4 bottom	T	Solid	3541	
460-61467-11	WC-5 top	T	Solid	3541	
460-61467-12	WC-5 bottom	T	Solid	3541	
460-61467-17	WC-7 top	T	Solid	3541	
460-61467-18	WC-7 bottom	T	Solid	3541	
460-61467-21	WC-8 top	T	Solid	3541	
460-61501-A-6-B MS	Matrix Spike	T	Solid	3541	
460-61501-A-6-C MSD	Matrix Spike Duplicate	T	Solid	3541	
Analysis Batch:460-176970					
LCS 460-176844/2-A	Lab Control Sample	T	Solid	8270C	460-176844
MB 460-176844/1-A	Method Blank	T	Solid	8270C	460-176844
460-61501-A-6-B MS	Matrix Spike	T	Solid	8270C	460-176844
460-61501-A-6-C MSD	Matrix Spike Duplicate	T	Solid	8270C	460-176844
Prep Batch: 460-177117					
LCS 460-177117/2-A	Lab Control Sample	T	Solid	3541	
MB 460-177117/1-A	Method Blank	T	Solid	3541	
460-61467-22	WC-8 bottom	T	Solid	3541	
460-61467-25	WC-6 top	T	Solid	3541	
460-61467-26	WC-6 bottom	T	Solid	3541	
460-61525-E-4-C MS	Matrix Spike	T	Solid	3541	
460-61525-E-4-D MSD	Matrix Spike Duplicate	T	Solid	3541	

Client: AKRF Inc

Job Number: 460-61467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:460-177181					
460-61467-2	TS-2	T	Solid	8270C	460-176844
460-61467-4	TS-4	T	Solid	8270C	460-176844
460-61467-6	TS-6	T	Solid	8270C	460-176844
460-61467-7	WC-4 top	T	Solid	8270C	460-176844
460-61467-8	WC-4 bottom	T	Solid	8270C	460-176844
460-61467-11	WC-5 top	T	Solid	8270C	460-176844
460-61467-12	WC-5 bottom	T	Solid	8270C	460-176844
460-61467-17	WC-7 top	T	Solid	8270C	460-176844
460-61467-18	WC-7 bottom	T	Solid	8270C	460-176844
460-61467-21	WC-8 top	T	Solid	8270C	460-176844
Analysis Batch:460-177272					
LCS 460-177117/2-A	Lab Control Sample	T	Solid	8270C	460-177117
MB 460-177117/1-A	Method Blank	T	Solid	8270C	460-177117
460-61467-25	WC-6 top	T	Solid	8270C	460-177117
460-61467-26	WC-6 bottom	T	Solid	8270C	460-177117
460-61525-E-4-C MS	Matrix Spike	T	Solid	8270C	460-177117
460-61525-E-4-D MSD	Matrix Spike Duplicate	T	Solid	8270C	460-177117
Analysis Batch:460-177444					
LCS 460-176664/2-A	Lab Control Sample	T	Water	8270C	460-176664
MB 460-176664/1-A	Method Blank	T	Water	8270C	460-176664
Analysis Batch:460-177574					
460-61467-22	WC-8 bottom	T	Solid	8270C	460-177117
Analysis Batch:460-177711					
460-61467-15	TW-2	T	Water	8270C	460-176664
Analysis Batch:460-178756					
460-61356-H-6-A MS	Matrix Spike	T	Water	8270C	460-176664
460-61356-G-6-C MSD	Matrix Spike Duplicate	T	Water	8270C	460-176664

Report Basis

T = Total

Client: AKRF Inc

Job Number: 460-61467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-176770					
LCS 460-176770/2-A	Lab Control Sample	T	Solid	3546	
MB 460-176770/1-A	Method Blank	T	Solid	3546	
460-61364-E-2-E MS	Matrix Spike	T	Solid	3546	
460-61364-E-2-F MSD	Matrix Spike Duplicate	T	Solid	3546	
460-61467-2	TS-2	T	Solid	3546	
460-61467-4	TS-4	T	Solid	3546	
460-61467-6	TS-6	T	Solid	3546	
460-61467-7	WC-4 top	T	Solid	3546	
460-61467-8	WC-4 bottom	T	Solid	3546	
460-61467-11	WC-5 top	T	Solid	3546	
460-61467-12	WC-5 bottom	T	Solid	3546	
460-61467-17	WC-7 top	T	Solid	3546	
460-61467-26	WC-6 bottom	T	Solid	3546	
Prep Batch: 460-176771					
LCS 460-176771/2-A	Lab Control Sample	T	Solid	3546	
MB 460-176771/1-A	Method Blank	T	Solid	3546	
460-61364-E-2-G MS	Matrix Spike	T	Solid	3546	
460-61364-E-2-H MSD	Matrix Spike Duplicate	T	Solid	3546	
460-61467-2	TS-2	T	Solid	3546	
460-61467-4	TS-4	T	Solid	3546	
460-61467-6	TS-6	T	Solid	3546	
460-61467-7	WC-4 top	T	Solid	3546	
460-61467-8	WC-4 bottom	T	Solid	3546	
460-61467-11	WC-5 top	T	Solid	3546	
460-61467-12	WC-5 bottom	T	Solid	3546	
460-61467-17	WC-7 top	T	Solid	3546	
460-61467-26	WC-6 bottom	T	Solid	3546	
Analysis Batch:460-176805					
460-61467-2	TS-2	T	Solid	8082	460-176771
460-61467-4	TS-4	T	Solid	8082	460-176771
460-61467-6	TS-6	T	Solid	8082	460-176771
460-61467-7	WC-4 top	T	Solid	8082	460-176771
460-61467-8	WC-4 bottom	T	Solid	8082	460-176771
460-61467-11	WC-5 top	T	Solid	8082	460-176771
460-61467-12	WC-5 bottom	T	Solid	8082	460-176771
460-61467-17	WC-7 top	T	Solid	8082	460-176771
460-61467-26	WC-6 bottom	T	Solid	8082	460-176771
Analysis Batch:460-176806					
LCS 460-176771/2-A	Lab Control Sample	T	Solid	8082	460-176771
MB 460-176771/1-A	Method Blank	T	Solid	8082	460-176771
460-61364-E-2-G MS	Matrix Spike	T	Solid	8082	460-176771
460-61364-E-2-H MSD	Matrix Spike Duplicate	T	Solid	8082	460-176771

Client: AKRF Inc

Job Number: 460-61467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:460-176820					
LCS 460-176770/2-A	Lab Control Sample	T	Solid	8081A	460-176770
MB 460-176770/1-A	Method Blank	T	Solid	8081A	460-176770
460-61364-E-2-E MS	Matrix Spike	T	Solid	8081A	460-176770
460-61364-E-2-F MSD	Matrix Spike Duplicate	T	Solid	8081A	460-176770
Prep Batch: 460-176891					
LCS 460-176891/2-A	Lab Control Sample	T	Solid	3546	
MB 460-176891/1-A	Method Blank	T	Solid	3546	
460-61467-7	WC-4 top	T	Solid	3546	
460-61467-8	WC-4 bottom	T	Solid	3546	
460-61467-11	WC-5 top	T	Solid	3546	
460-61467-12	WC-5 bottom	T	Solid	3546	
460-61467-17	WC-7 top	T	Solid	3546	
460-61467-18	WC-7 bottom	T	Solid	3546	
460-61467-21	WC-8 top	T	Solid	3546	
460-61467-22	WC-8 bottom	T	Solid	3546	
460-61467-25	WC-6 top	T	Solid	3546	
460-61467-26	WC-6 bottom	T	Solid	3546	
460-61476-A-2-A MS	Matrix Spike	T	Solid	3546	
460-61476-A-2-B MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:460-176903					
460-61467-2	TS-2	T	Solid	8081A	460-176770
460-61467-4	TS-4	T	Solid	8081A	460-176770
460-61467-6	TS-6	T	Solid	8081A	460-176770
460-61467-7	WC-4 top	T	Solid	8081A	460-176770
460-61467-8	WC-4 bottom	T	Solid	8081A	460-176770
460-61467-11	WC-5 top	T	Solid	8081A	460-176770
460-61467-12	WC-5 bottom	T	Solid	8081A	460-176770
460-61467-17	WC-7 top	T	Solid	8081A	460-176770
460-61467-26	WC-6 bottom	T	Solid	8081A	460-176770

Client: AKRF Inc

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QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:460-176977					
LCS 460-176891/2-A	Lab Control Sample	T	Solid	NJDEP EPH	460-176891
MB 460-176891/1-A	Method Blank	T	Solid	NJDEP EPH	460-176891
460-61467-7	WC-4 top	T	Solid	NJDEP EPH	460-176891
460-61467-8	WC-4 bottom	T	Solid	NJDEP EPH	460-176891
460-61467-11	WC-5 top	T	Solid	NJDEP EPH	460-176891
460-61467-12	WC-5 bottom	T	Solid	NJDEP EPH	460-176891
460-61467-17	WC-7 top	T	Solid	NJDEP EPH	460-176891
460-61467-21	WC-8 top	T	Solid	NJDEP EPH	460-176891
460-61467-22	WC-8 bottom	T	Solid	NJDEP EPH	460-176891
460-61467-25	WC-6 top	T	Solid	NJDEP EPH	460-176891
460-61467-26	WC-6 bottom	T	Solid	NJDEP EPH	460-176891
460-61476-A-2-A MS	Matrix Spike	T	Solid	NJDEP EPH	460-176891
460-61476-A-2-B MSD	Matrix Spike Duplicate	T	Solid	NJDEP EPH	460-176891
Prep Batch: 460-176986					
LCS 460-176986/2-A	Lab Control Sample	T	Solid	3546	
MB 460-176986/1-A	Method Blank	T	Solid	3546	
460-61467-18	WC-7 bottom	T	Solid	3546	
460-61467-21	WC-8 top	T	Solid	3546	
460-61467-25	WC-6 top	T	Solid	3546	
460-61482-C-12-A MS	Matrix Spike	T	Solid	3546	
460-61482-C-12-B MSD	Matrix Spike Duplicate	T	Solid	3546	
Prep Batch: 460-176988					
LCS 460-176988/2-A	Lab Control Sample	T	Solid	3546	
MB 460-176988/1-A	Method Blank	T	Solid	3546	
460-61467-18	WC-7 bottom	T	Solid	3546	
460-61467-21	WC-8 top	T	Solid	3546	
460-61467-22	WC-8 bottom	T	Solid	3546	
460-61467-25	WC-6 top	T	Solid	3546	
460-61482-C-12-D MS	Matrix Spike	T	Solid	3546	
460-61482-C-12-E MSD	Matrix Spike Duplicate	T	Solid	3546	
Prep Batch: 460-177030					
LCS 460-177030/2-A	Lab Control Sample	T	Water	3510C	
LCSD 460-177030/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-177030/1-A	Method Blank	T	Water	3510C	
460-61467-15	TW-2	T	Water	3510C	
Prep Batch: 460-177031					
LCS 460-177031/2-A	Lab Control Sample	T	Water	3510C	
LCSD 460-177031/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-177031/1-A	Method Blank	T	Water	3510C	
460-61467-15	TW-2	T	Water	3510C	

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QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:460-177174					
LCS 460-176988/2-A	Lab Control Sample	T	Solid	8082	460-176988
MB 460-176988/1-A	Method Blank	T	Solid	8082	460-176988
460-61467-18	WC-7 bottom	T	Solid	8082	460-176988
460-61467-21	WC-8 top	T	Solid	8082	460-176988
460-61467-22	WC-8 bottom	T	Solid	8082	460-176988
460-61467-25	WC-6 top	T	Solid	8082	460-176988
460-61482-C-12-D MS	Matrix Spike	T	Solid	8082	460-176988
460-61482-C-12-E MSD	Matrix Spike Duplicate	T	Solid	8082	460-176988
Analysis Batch:460-177183					
LCS 460-176986/2-A	Lab Control Sample	T	Solid	8081A	460-176986
MB 460-176986/1-A	Method Blank	T	Solid	8081A	460-176986
460-61482-C-12-A MS	Matrix Spike	T	Solid	8081A	460-176986
460-61482-C-12-B MSD	Matrix Spike Duplicate	T	Solid	8081A	460-176986
Analysis Batch:460-177233					
460-61467-18	WC-7 bottom	T	Solid	NJDEP EPH	460-176891
Analysis Batch:460-177288					
460-61467-25	WC-6 top	T	Solid	8081A	460-176986
Analysis Batch:460-177324					
460-61467-18	WC-7 bottom	T	Solid	8081A	460-176986
460-61467-21	WC-8 top	T	Solid	8081A	460-176986
Analysis Batch:460-177343					
LCS 460-177030/2-A	Lab Control Sample	T	Water	8081A	460-177030
LCSD 460-177030/3-A	Lab Control Sample Duplicate	T	Water	8081A	460-177030
MB 460-177030/1-A	Method Blank	T	Water	8081A	460-177030
460-61467-15	TW-2	T	Water	8081A	460-177030
Prep Batch: 460-177476					
LCS 460-177476/2-A	Lab Control Sample	T	Solid	3546	
MB 460-177476/1-A	Method Blank	T	Solid	3546	
460-61467-22	WC-8 bottom	T	Solid	3546	
460-61467-22MS	Matrix Spike	T	Solid	3546	
460-61467-22MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:460-177565					
LCS 460-177476/2-A	Lab Control Sample	T	Solid	8081A	460-177476
MB 460-177476/1-A	Method Blank	T	Solid	8081A	460-177476
460-61467-22	WC-8 bottom	T	Solid	8081A	460-177476
460-61467-22MS	Matrix Spike	T	Solid	8081A	460-177476
460-61467-22MSD	Matrix Spike Duplicate	T	Solid	8081A	460-177476

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QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:460-177591					
LCSD 460-177031/3-A	Lab Control Sample Duplicate	T	Water	8082	460-177031
MB 460-177031/1-A	Method Blank	T	Water	8082	460-177031
460-61467-15	TW-2	T	Water	8082	460-177031
Analysis Batch:460-177722					
LCS 460-177031/2-A	Lab Control Sample	T	Water	8082	460-177031

Report Basis
T = Total

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QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 490-101667					
LCS 490-101667/2-A	Lab Control Sample	T	Solid	3051A	
LCSD 490-101667/3-A	Lab Control Sample Duplicate	T	Solid	3051A	
MB 490-101667/1-A	Method Blank	T	Solid	3051A	
460-61467-7	WC-4 top	T	Solid	3051A	
460-61467-7MS	Matrix Spike	T	Solid	3051A	
460-61467-7MSD	Matrix Spike Duplicate	T	Solid	3051A	
460-61467-8	WC-4 bottom	T	Solid	3051A	
460-61467-11	WC-5 top	T	Solid	3051A	
460-61467-12	WC-5 bottom	T	Solid	3051A	
460-61467-17	WC-7 top	T	Solid	3051A	
460-61467-18	WC-7 bottom	T	Solid	3051A	
460-61467-21	WC-8 top	T	Solid	3051A	
460-61467-22	WC-8 bottom	T	Solid	3051A	
460-61467-25	WC-6 top	T	Solid	3051A	
460-61467-26	WC-6 bottom	T	Solid	3051A	
Analysis Batch:490-101773					
LCS 490-101667/2-A	Lab Control Sample	T	Solid	6010B	490-101667
LCSD 490-101667/3-A	Lab Control Sample Duplicate	T	Solid	6010B	490-101667
MB 490-101667/1-A	Method Blank	T	Solid	6010B	490-101667
460-61467-7	WC-4 top	T	Solid	6010B	490-101667
460-61467-7MS	Matrix Spike	T	Solid	6010B	490-101667
460-61467-7MSD	Matrix Spike Duplicate	T	Solid	6010B	490-101667
460-61467-8	WC-4 bottom	T	Solid	6010B	490-101667
460-61467-11	WC-5 top	T	Solid	6010B	490-101667
460-61467-12	WC-5 bottom	T	Solid	6010B	490-101667
460-61467-17	WC-7 top	T	Solid	6010B	490-101667
460-61467-18	WC-7 bottom	T	Solid	6010B	490-101667
460-61467-21	WC-8 top	T	Solid	6010B	490-101667
460-61467-22	WC-8 bottom	T	Solid	6010B	490-101667
460-61467-25	WC-6 top	T	Solid	6010B	490-101667
460-61467-26	WC-6 bottom	T	Solid	6010B	490-101667
Analysis Batch:490-101962					
460-61467-25	WC-6 top	T	Solid	6010B	490-101667
460-61467-26	WC-6 bottom	T	Solid	6010B	490-101667
Prep Batch: 460-170300					
LB 460-170300/1-F	TCLP SPLPE Leachate Blank	P	Solid	1311	
460-59196-A-43-F DU	Duplicate	P	Solid	1311	
460-59196-A-43-G MS	Matrix Spike	P	Solid	1311	
Prep Batch: 460-170585					
LB 460-170300/1-F	TCLP SPLPE Leachate Blank	P	Solid	7470A	460-170300

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QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-170656					
LB 460-170300/1-F	TCLP SPLPE Leachate Blank	P	Solid	7470A	460-170585
Prep Batch: 460-176776					
LCS 460-176776/12-A	Lab Control Sample	T	Water	7470A	
MB 460-176776/11-A	Method Blank	T	Water	7470A	
460-61368-A-5-A DU	Duplicate	T	Water	7470A	
460-61368-F-5-A MS	Matrix Spike	T	Water	7470A	
460-61368-Q-5-A MSD	Matrix Spike Duplicate	T	Water	7470A	
460-61467-15	TW-2	T	Water	7470A	
Prep Batch: 460-176789					
LCSSRM 460-176789/2-A ^4	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-176789/1-A ^2	Method Blank	T	Solid	3050B	
460-61163-A-18-D DU ^4	Duplicate	T	Solid	3050B	
460-61163-A-18-E MS ^4	Matrix Spike	T	Solid	3050B	
460-61467-1	TS-1	T	Solid	3050B	
Prep Batch: 460-176793					
LCS 460-176793/2-A	Lab Control Sample	T	Water	3010A	
MB 460-176793/1-A	Method Blank	T	Water	3010A	
460-61266-F-1-C DU	Duplicate	T	Water	3010A	
460-61266-F-1-D MS	Matrix Spike	T	Water	3010A	
460-61467-15	TW-2	T	Water	3010A	
Prep Batch: 460-176800					
LCSSRM 460-176800/2-A ^4	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-176800/1-A ^2	Method Blank	T	Solid	3050B	
460-61467-2	TS-2	T	Solid	3050B	
460-61467-3	TS-3	T	Solid	3050B	
460-61467-4	TS-4	T	Solid	3050B	
460-61467-5	TS-5	T	Solid	3050B	
460-61467-6	TS-6	T	Solid	3050B	
460-61467-7	WC-4 top	T	Solid	3050B	
460-61467-8	WC-4 bottom	T	Solid	3050B	
460-61467-8DU	Duplicate	T	Solid	3050B	
460-61467-8MS	Matrix Spike	T	Solid	3050B	
460-61467-9	SB-4 top	T	Solid	3050B	
460-61467-10	SB-4 bottom	T	Solid	3050B	
460-61467-11	WC-5 top	T	Solid	3050B	
460-61467-12	WC-5 bottom	T	Solid	3050B	
460-61467-13	SB-5 top	T	Solid	3050B	
460-61467-14	SB-5 bottom	T	Solid	3050B	
460-61467-17	WC-7 top	T	Solid	3050B	
460-61467-18	WC-7 bottom	T	Solid	3050B	

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QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-176822					
LCSSRM 460-176822/2-A ^50	LCS-Certified Reference Material	T	Solid	7471A	
MB 460-176822/1-A	Method Blank	T	Solid	7471A	
460-61467-1	TS-1	T	Solid	7471A	
460-61467-2	TS-2	T	Solid	7471A	
460-61467-3	TS-3	T	Solid	7471A	
460-61467-4	TS-4	T	Solid	7471A	
460-61467-4DU	Duplicate	T	Solid	7471A	
460-61467-4MS	Matrix Spike	T	Solid	7471A	
460-61467-5	TS-5	T	Solid	7471A	
460-61467-6	TS-6	T	Solid	7471A	
460-61467-7	WC-4 top	T	Solid	7471A	
460-61467-8	WC-4 bottom	T	Solid	7471A	
460-61467-9	SB-4 top	T	Solid	7471A	
460-61467-10	SB-4 bottom	T	Solid	7471A	
460-61467-11	WC-5 top	T	Solid	7471A	
460-61467-12	WC-5 bottom	T	Solid	7471A	
460-61467-13	SB-5 top	T	Solid	7471A	
460-61467-14	SB-5 bottom	T	Solid	7471A	
460-61467-17	WC-7 top	T	Solid	7471A	
Prep Batch: 460-176824					
LCSSRM 460-176824/2-A ^50	LCS-Certified Reference Material	T	Solid	7471A	
MB 460-176824/1-A	Method Blank	T	Solid	7471A	
460-61269-E-10-C DU	Duplicate	T	Solid	7471A	
460-61269-E-10-D MS	Matrix Spike	T	Solid	7471A	
460-61467-18	WC-7 bottom	T	Solid	7471A	
460-61467-19	SB-7 top	T	Solid	7471A	
460-61467-20	SB-7 bottom	T	Solid	7471A	
460-61467-21	WC-8 top	T	Solid	7471A	
460-61467-22	WC-8 bottom	T	Solid	7471A	
460-61467-23	SB-8 top	T	Solid	7471A	
460-61467-24	SB-8 bottom	T	Solid	7471A	
460-61467-25	WC-6 top	T	Solid	7471A	
460-61467-26	WC-6 bottom	T	Solid	7471A	
460-61467-27	SB-6 top	T	Solid	7471A	
460-61467-28	SB-6 bottom	T	Solid	7471A	

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QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-176850					
LCSSRM 460-176789/2-A ^4	LCS-Certified Reference Material	T	Solid	6010B	460-176789
MB 460-176789/1-A ^2	Method Blank	T	Solid	6010B	460-176789
LCS 460-176793/2-A	Lab Control Sample	T	Water	6010B	460-176793
MB 460-176793/1-A	Method Blank	T	Water	6010B	460-176793
LCSSRM 460-176800/2-A ^4	LCS-Certified Reference Material	T	Solid	6010B	460-176800
MB 460-176800/1-A ^2	Method Blank	T	Solid	6010B	460-176800
460-61163-A-18-D DU ^4	Duplicate	T	Solid	6010B	460-176789
460-61163-A-18-E MS ^4	Matrix Spike	T	Solid	6010B	460-176789
460-61266-F-1-C DU	Duplicate	T	Water	6010B	460-176793
460-61266-F-1-D MS	Matrix Spike	T	Water	6010B	460-176793
460-61467-1	TS-1	T	Solid	6010B	460-176789
460-61467-2	TS-2	T	Solid	6010B	460-176800
460-61467-3	TS-3	T	Solid	6010B	460-176800
460-61467-4	TS-4	T	Solid	6010B	460-176800
460-61467-5	TS-5	T	Solid	6010B	460-176800
460-61467-6	TS-6	T	Solid	6010B	460-176800
460-61467-7	WC-4 top	T	Solid	6010B	460-176800
460-61467-8	WC-4 bottom	T	Solid	6010B	460-176800
460-61467-8DU	Duplicate	T	Solid	6010B	460-176800
460-61467-8MS	Matrix Spike	T	Solid	6010B	460-176800
460-61467-9	SB-4 top	T	Solid	6010B	460-176800
460-61467-10	SB-4 bottom	T	Solid	6010B	460-176800
460-61467-11	WC-5 top	T	Solid	6010B	460-176800
460-61467-12	WC-5 bottom	T	Solid	6010B	460-176800
460-61467-13	SB-5 top	T	Solid	6010B	460-176800
460-61467-14	SB-5 bottom	T	Solid	6010B	460-176800
460-61467-15	TW-2	T	Water	6010B	460-176793
460-61467-17	WC-7 top	T	Solid	6010B	460-176800
460-61467-18	WC-7 bottom	T	Solid	6010B	460-176800
Analysis Batch:460-176854					
LCS 460-176776/12-A	Lab Control Sample	T	Water	7470A	460-176776
MB 460-176776/11-A	Method Blank	T	Water	7470A	460-176776
460-61368-A-5-A DU	Duplicate	T	Water	7470A	460-176776
460-61368-F-5-A MS	Matrix Spike	T	Water	7470A	460-176776
460-61368-Q-5-A MSD	Matrix Spike Duplicate	T	Water	7470A	460-176776
460-61467-15	TW-2	T	Water	7470A	460-176776

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QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-176924					
LB 460-176924/1-E	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 460-176924/1-G ^5	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 460-176924/1-H	TCLP SPLPE Leachate Blank	P	Solid	1311	
460-61467-7	WC-4 top	P	Solid	1311	
460-61467-8	WC-4 bottom	P	Solid	1311	
460-61467-11	WC-5 top	P	Solid	1311	
460-61467-12	WC-5 bottom	P	Solid	1311	
460-61467-12DU	Duplicate	P	Solid	1311	
460-61467-12MS	Matrix Spike	P	Solid	1311	
460-61467-17	WC-7 top	P	Solid	1311	
460-61467-18	WC-7 bottom	P	Solid	1311	
460-61467-21	WC-8 top	P	Solid	1311	
460-61467-22	WC-8 bottom	P	Solid	1311	
460-61467-25	WC-6 top	P	Solid	1311	
460-61467-26	WC-6 bottom	P	Solid	1311	
Prep Batch: 460-176945					
LCSSRM 460-176945/2-A ^4	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-176945/1-A ^2	Method Blank	T	Solid	3050B	
460-61467-19	SB-7 top	T	Solid	3050B	
460-61467-20	SB-7 bottom	T	Solid	3050B	
460-61467-21	WC-8 top	T	Solid	3050B	
460-61467-22	WC-8 bottom	T	Solid	3050B	
460-61467-23	SB-8 top	T	Solid	3050B	
460-61467-24	SB-8 bottom	T	Solid	3050B	
460-61467-24DU	Duplicate	T	Solid	3050B	
460-61467-24MS	Matrix Spike	T	Solid	3050B	
460-61467-25	WC-6 top	T	Solid	3050B	
460-61467-26	WC-6 bottom	T	Solid	3050B	
460-61467-27	SB-6 top	T	Solid	3050B	
460-61467-28	SB-6 bottom	T	Solid	3050B	

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QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-176952					
LCSSRM 460-176822/2-A ^50	LCS-Certified Reference Material	T	Solid	7471A	460-176822
MB 460-176822/1-A	Method Blank	T	Solid	7471A	460-176822
LCSSRM 460-176824/2-A ^50	LCS-Certified Reference Material	T	Solid	7471A	460-176824
MB 460-176824/1-A	Method Blank	T	Solid	7471A	460-176824
460-61269-E-10-C DU	Duplicate	T	Solid	7471A	460-176824
460-61269-E-10-D MS	Matrix Spike	T	Solid	7471A	460-176824
460-61467-1	TS-1	T	Solid	7471A	460-176822
460-61467-2	TS-2	T	Solid	7471A	460-176822
460-61467-3	TS-3	T	Solid	7471A	460-176822
460-61467-4	TS-4	T	Solid	7471A	460-176822
460-61467-4DU	Duplicate	T	Solid	7471A	460-176822
460-61467-4MS	Matrix Spike	T	Solid	7471A	460-176822
460-61467-5	TS-5	T	Solid	7471A	460-176822
460-61467-6	TS-6	T	Solid	7471A	460-176822
460-61467-7	WC-4 top	T	Solid	7471A	460-176822
460-61467-8	WC-4 bottom	T	Solid	7471A	460-176822
460-61467-9	SB-4 top	T	Solid	7471A	460-176822
460-61467-10	SB-4 bottom	T	Solid	7471A	460-176822
460-61467-11	WC-5 top	T	Solid	7471A	460-176822
460-61467-12	WC-5 bottom	T	Solid	7471A	460-176822
460-61467-13	SB-5 top	T	Solid	7471A	460-176822
460-61467-14	SB-5 bottom	T	Solid	7471A	460-176822
460-61467-17	WC-7 top	T	Solid	7471A	460-176822
460-61467-18	WC-7 bottom	T	Solid	7471A	460-176824
460-61467-19	SB-7 top	T	Solid	7471A	460-176824
460-61467-20	SB-7 bottom	T	Solid	7471A	460-176824
460-61467-21	WC-8 top	T	Solid	7471A	460-176824
460-61467-22	WC-8 bottom	T	Solid	7471A	460-176824
460-61467-23	SB-8 top	T	Solid	7471A	460-176824
460-61467-24	SB-8 bottom	T	Solid	7471A	460-176824
460-61467-25	WC-6 top	T	Solid	7471A	460-176824
460-61467-26	WC-6 bottom	T	Solid	7471A	460-176824
460-61467-27	SB-6 top	T	Solid	7471A	460-176824
460-61467-28	SB-6 bottom	T	Solid	7471A	460-176824
Prep Batch: 460-176991					
LCS 460-176991/12-A	Lab Control Sample	T	Water	7470A	
MB 460-176983/1-B	Method Blank	D	Water	7470A	
460-61368-B-5-B DU	Duplicate	D	Water	7470A	
460-61368-G-5-E MS	Matrix Spike	D	Water	7470A	
460-61368-G-5-F MSD	Matrix Spike Duplicate	D	Water	7470A	
460-61467-15	TW-2	D	Water	7470A	

Client: AKRF Inc

Job Number: 460-61467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-177090					
LCSSRM 460-176945/2-A ^4	LCS-Certified Reference Material	T	Solid	6010B	460-176945
MB 460-176945/1-A ^2	Method Blank	T	Solid	6010B	460-176945
460-61467-19	SB-7 top	T	Solid	6010B	460-176945
460-61467-20	SB-7 bottom	T	Solid	6010B	460-176945
460-61467-21	WC-8 top	T	Solid	6010B	460-176945
460-61467-22	WC-8 bottom	T	Solid	6010B	460-176945
460-61467-23	SB-8 top	T	Solid	6010B	460-176945
460-61467-24	SB-8 bottom	T	Solid	6010B	460-176945
460-61467-24DU	Duplicate	T	Solid	6010B	460-176945
460-61467-24MS	Matrix Spike	T	Solid	6010B	460-176945
460-61467-25	WC-6 top	T	Solid	6010B	460-176945
460-61467-26	WC-6 bottom	T	Solid	6010B	460-176945
460-61467-27	SB-6 top	T	Solid	6010B	460-176945
460-61467-28	SB-6 bottom	T	Solid	6010B	460-176945
Prep Batch: 460-177114					
LCS 460-177114/2-A	Lab Control Sample	T	Water	7470A	
MB 460-177114/1-A	Method Blank	T	Water	7470A	
LB 460-176924/1-E	TCLP SPLPE Leachate Blank	P	Solid	7470A	460-176924
460-59196-A-43-F DU	Duplicate	P	Solid	7470A	460-170300
460-59196-A-43-G MS	Matrix Spike	P	Solid	7470A	460-170300
460-61467-7	WC-4 top	P	Solid	7470A	460-176924
460-61467-8	WC-4 bottom	P	Solid	7470A	460-176924
460-61467-11	WC-5 top	P	Solid	7470A	460-176924
460-61467-12	WC-5 bottom	P	Solid	7470A	460-176924
460-61467-17	WC-7 top	P	Solid	7470A	460-176924
460-61467-18	WC-7 bottom	P	Solid	7470A	460-176924
460-61467-21	WC-8 top	P	Solid	7470A	460-176924
460-61467-22	WC-8 bottom	P	Solid	7470A	460-176924
Analysis Batch:460-177116					
LCS 460-176991/12-A	Lab Control Sample	T	Water	7470A	460-176991
MB 460-176983/1-B	Method Blank	D	Water	7470A	460-176991
460-61368-B-5-B DU	Duplicate	D	Water	7470A	460-176991
460-61368-G-5-E MS	Matrix Spike	D	Water	7470A	460-176991
460-61368-G-5-F MSD	Matrix Spike Duplicate	D	Water	7470A	460-176991
460-61467-15	TW-2	D	Water	7470A	460-176991

Client: AKRF Inc

Job Number: 460-61467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-177165					
LB 460-176924/1-E	TCLP SPLPE Leachate Blank	P	Solid	7470A	460-177114
LCS 460-177114/2-A	Lab Control Sample	T	Water	7470A	460-177114
MB 460-177114/1-A	Method Blank	T	Water	7470A	460-177114
460-59196-A-43-F DU	Duplicate	P	Solid	7470A	460-177114
460-59196-A-43-G MS	Matrix Spike	P	Solid	7470A	460-177114
460-61467-7	WC-4 top	P	Solid	7470A	460-177114
460-61467-8	WC-4 bottom	P	Solid	7470A	460-177114
460-61467-11	WC-5 top	P	Solid	7470A	460-177114
460-61467-12	WC-5 bottom	P	Solid	7470A	460-177114
460-61467-17	WC-7 top	P	Solid	7470A	460-177114
460-61467-18	WC-7 bottom	P	Solid	7470A	460-177114
460-61467-21	WC-8 top	P	Solid	7470A	460-177114
460-61467-22	WC-8 bottom	P	Solid	7470A	460-177114
Prep Batch: 460-177186					
LB 460-177186/1-C	TCLP SPLPE Leachate Blank	P	Solid	1311	
460-59614-A-5-M DU	Duplicate	P	Solid	1311	
460-59614-A-5-N MS	Matrix Spike	P	Solid	1311	
Prep Batch: 460-177280					
LCS 460-177280/2-A	Lab Control Sample	T	Water	3010A	
MB 460-177280/1-A	Method Blank	T	Water	3010A	
LB 460-176924/1-G ^5	TCLP SPLPE Leachate Blank	P	Solid	3010A	460-176924
460-61467-7	WC-4 top	P	Solid	3010A	460-176924
460-61467-8	WC-4 bottom	P	Solid	3010A	460-176924
460-61467-11	WC-5 top	P	Solid	3010A	460-176924
460-61467-12	WC-5 bottom	P	Solid	3010A	460-176924
460-61467-12DU	Duplicate	P	Solid	3010A	460-176924
460-61467-12MS	Matrix Spike	P	Solid	3010A	460-176924
460-61467-17	WC-7 top	P	Solid	3010A	460-176924
460-61467-18	WC-7 bottom	P	Solid	3010A	460-176924
460-61467-21	WC-8 top	P	Solid	3010A	460-176924
460-61467-22	WC-8 bottom	P	Solid	3010A	460-176924
460-61467-25	WC-6 top	P	Solid	3010A	460-176924
460-61467-26	WC-6 bottom	P	Solid	3010A	460-176924
Prep Batch: 460-177333					
LCS 460-177333/2-A	Lab Control Sample	T	Water	7470A	
MB 460-177333/1-A	Method Blank	T	Water	7470A	
LB 460-176924/1-H	TCLP SPLPE Leachate Blank	P	Solid	7470A	460-176924
LB 460-177186/1-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	460-177186
460-59614-A-5-M DU	Duplicate	P	Solid	7470A	460-177186
460-59614-A-5-N MS	Matrix Spike	P	Solid	7470A	460-177186
460-61467-25	WC-6 top	P	Solid	7470A	460-176924
460-61467-26	WC-6 bottom	P	Solid	7470A	460-176924

Client: AKRF Inc

Job Number: 460-61467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-177387					
LB 460-176924/1-G ^5	TCLP SPLPE Leachate Blank	P	Solid	6010B	460-177280
LCS 460-177280/2-A	Lab Control Sample	T	Water	6010B	460-177280
MB 460-177280/1-A	Method Blank	T	Water	6010B	460-177280
460-61467-7	WC-4 top	P	Solid	6010B	460-177280
460-61467-8	WC-4 bottom	P	Solid	6010B	460-177280
460-61467-11	WC-5 top	P	Solid	6010B	460-177280
460-61467-12	WC-5 bottom	P	Solid	6010B	460-177280
460-61467-12DU	Duplicate	P	Solid	6010B	460-177280
460-61467-12MS	Matrix Spike	P	Solid	6010B	460-177280
460-61467-17	WC-7 top	P	Solid	6010B	460-177280
460-61467-18	WC-7 bottom	P	Solid	6010B	460-177280
460-61467-21	WC-8 top	P	Solid	6010B	460-177280
460-61467-22	WC-8 bottom	P	Solid	6010B	460-177280
460-61467-25	WC-6 top	P	Solid	6010B	460-177280
460-61467-26	WC-6 bottom	P	Solid	6010B	460-177280
Analysis Batch:460-177402					
LB 460-176924/1-H	TCLP SPLPE Leachate Blank	P	Solid	7470A	460-177333
LB 460-177186/1-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	460-177333
LCS 460-177333/2-A	Lab Control Sample	T	Water	7470A	460-177333
MB 460-177333/1-A	Method Blank	T	Water	7470A	460-177333
460-59614-A-5-M DU	Duplicate	P	Solid	7470A	460-177333
460-59614-A-5-N MS	Matrix Spike	P	Solid	7470A	460-177333
460-61467-25	WC-6 top	P	Solid	7470A	460-177333
460-61467-26	WC-6 bottom	P	Solid	7470A	460-177333
Prep Batch: 460-177714					
LCS 460-177714/2-A	Lab Control Sample	T	Water	3010A	
MB 460-177717/1-B	Method Blank	D	Water	3010A	
460-61283-A-3-B DU	Duplicate	D	Water	3010A	
460-61283-E-3-D MS	Matrix Spike	D	Water	3010A	
460-61467-15	TW-2	D	Water	3010A	
Analysis Batch:460-177823					
LCS 460-177714/2-A	Lab Control Sample	T	Water	6010B	460-177714
MB 460-177717/1-B	Method Blank	D	Water	6010B	460-177714
460-61283-A-3-B DU	Duplicate	D	Water	6010B	460-177714
460-61283-E-3-D MS	Matrix Spike	D	Water	6010B	460-177714
460-61467-15	TW-2	D	Water	6010B	460-177714

Report Basis

D = Dissolved

P = TCLP

T = Total

Client: AKRF Inc

Job Number: 460-61467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 460-176706					
HLCS 460-176706/3-A	High Level Control Sample	T	Solid	9012A	
LLCS 460-176706/2-A	Low Level Control Sample	T	Solid	9012A	
MB 460-176706/1-A	Method Blank	T	Solid	9012A	
460-61467-7	WC-4 top	T	Solid	9012A	
460-61467-8	WC-4 bottom	T	Solid	9012A	
460-61467-11	WC-5 top	T	Solid	9012A	
460-61467-12	WC-5 bottom	T	Solid	9012A	
460-61467-17	WC-7 top	T	Solid	9012A	
460-61467-18	WC-7 bottom	T	Solid	9012A	
460-61467-21	WC-8 top	T	Solid	9012A	
460-61467-25	WC-6 top	T	Solid	9012A	
460-61467-26	WC-6 bottom	T	Solid	9012A	
460-61470-A-6-G MS	Matrix Spike	T	Solid	9012A	
460-61470-A-6-H MSD	Matrix Spike Duplicate	T	Solid	9012A	
460-61473-A-6-I MS	Matrix Spike	T	Solid	9012A	
460-61473-A-6-J MSD	Matrix Spike Duplicate	T	Solid	9012A	
Prep Batch: 460-176725					
HLCS 460-176725/3-A	High Level Control Sample	T	Solid	9012A	
LLCS 460-176725/2-A	Low Level Control Sample	T	Solid	9012A	
MB 460-176725/1-A	Method Blank	T	Solid	9012A	
460-61377-E-1-C MS	Matrix Spike	T	Solid	9012A	
460-61377-E-1-D MSD	Matrix Spike Duplicate	T	Solid	9012A	
460-61467-22	WC-8 bottom	T	Solid	9012A	
Analysis Batch:460-176729					
HLCS 460-176706/3-A	High Level Control Sample	T	Solid	9012A	460-176706
LLCS 460-176706/2-A	Low Level Control Sample	T	Solid	9012A	460-176706
MB 460-176706/1-A	Method Blank	T	Solid	9012A	460-176706
460-61467-7	WC-4 top	T	Solid	9012A	460-176706
460-61467-8	WC-4 bottom	T	Solid	9012A	460-176706
460-61467-11	WC-5 top	T	Solid	9012A	460-176706
460-61467-12	WC-5 bottom	T	Solid	9012A	460-176706
460-61467-17	WC-7 top	T	Solid	9012A	460-176706
460-61467-18	WC-7 bottom	T	Solid	9012A	460-176706
460-61467-21	WC-8 top	T	Solid	9012A	460-176706
460-61467-25	WC-6 top	T	Solid	9012A	460-176706
460-61467-26	WC-6 bottom	T	Solid	9012A	460-176706
460-61470-A-6-G MS	Matrix Spike	T	Solid	9012A	460-176706
460-61470-A-6-H MSD	Matrix Spike Duplicate	T	Solid	9012A	460-176706
460-61473-A-6-I MS	Matrix Spike	T	Solid	9012A	460-176706
460-61473-A-6-J MSD	Matrix Spike Duplicate	T	Solid	9012A	460-176706

Client: AKRF Inc

Job Number: 460-61467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-176740					
HLCS 460-176725/3-A	High Level Control Sample	T	Solid	9012A	460-176725
LLCS 460-176725/2-A	Low Level Control Sample	T	Solid	9012A	460-176725
MB 460-176725/1-A	Method Blank	T	Solid	9012A	460-176725
460-61377-E-1-C MS	Matrix Spike	T	Solid	9012A	460-176725
460-61377-E-1-D MSD	Matrix Spike Duplicate	T	Solid	9012A	460-176725
460-61467-22	WC-8 bottom	T	Solid	9012A	460-176725
Analysis Batch:460-176904					
460-61467-2	TS-2	T	Solid	Moisture	
460-61467-6	TS-6	T	Solid	Moisture	
460-61467-6DU	Duplicate	T	Solid	Moisture	
460-61467-7	WC-4 top	T	Solid	Moisture	
460-61467-9	SB-4 top	T	Solid	Moisture	
460-61467-10	SB-4 bottom	T	Solid	Moisture	
460-61467-18	WC-7 bottom	T	Solid	Moisture	
460-61467-25	WC-6 top	T	Solid	Moisture	
460-61467-26	WC-6 bottom	T	Solid	Moisture	
Analysis Batch:460-176914					
460-61467-1	TS-1	T	Solid	Moisture	
460-61467-3	TS-3	T	Solid	Moisture	
460-61467-4	TS-4	T	Solid	Moisture	
460-61467-5	TS-5	T	Solid	Moisture	
460-61467-8	WC-4 bottom	T	Solid	Moisture	
460-61467-11	WC-5 top	T	Solid	Moisture	
460-61467-12	WC-5 bottom	T	Solid	Moisture	
460-61467-13	SB-5 top	T	Solid	Moisture	
460-61467-14	SB-5 bottom	T	Solid	Moisture	
460-61467-17	WC-7 top	T	Solid	Moisture	
460-61467-21	WC-8 top	T	Solid	Moisture	
460-61467-22	WC-8 bottom	T	Solid	Moisture	
460-61469-A-3 DU	Duplicate	T	Solid	Moisture	
Analysis Batch:460-176946					
460-61467-19	SB-7 top	T	Solid	Moisture	
460-61467-20	SB-7 bottom	T	Solid	Moisture	
460-61467-20DU	Duplicate	T	Solid	Moisture	
Analysis Batch:460-176948					
460-61467-23	SB-8 top	T	Solid	Moisture	
460-61467-24	SB-8 bottom	T	Solid	Moisture	
460-61467-27	SB-6 top	T	Solid	Moisture	
460-61467-28	SB-6 bottom	T	Solid	Moisture	
460-61469-A-2 DU	Duplicate	T	Solid	Moisture	

Client: AKRF Inc

Job Number: 460-61467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-177078					
460-61339-A-37 DU	Duplicate	T	Solid	1030	
460-61467-7	WC-4 top	T	Solid	1030	
460-61467-8	WC-4 bottom	T	Solid	1030	
460-61467-11	WC-5 top	T	Solid	1030	
460-61467-12	WC-5 bottom	T	Solid	1030	
460-61467-17	WC-7 top	T	Solid	1030	
460-61467-18	WC-7 bottom	T	Solid	1030	
460-61467-21	WC-8 top	T	Solid	1030	
460-61467-22	WC-8 bottom	T	Solid	1030	
460-61467-25	WC-6 top	T	Solid	1030	
460-61467-26	WC-6 bottom	T	Solid	1030	
Prep Batch: 460-177143					
LCSI 460-177143/3-A	Lab Control Sample Insoluble	T	Solid	3060A	
LCSS 460-177143/2-A	Lab Control Sample Soluble	T	Solid	3060A	
MB 460-177143/1-A	Method Blank	T	Solid	3060A	
460-61467-7	WC-4 top	T	Solid	3060A	
460-61467-8	WC-4 bottom	T	Solid	3060A	
460-61467-11	WC-5 top	T	Solid	3060A	
460-61467-12	WC-5 bottom	T	Solid	3060A	
460-61467-17	WC-7 top	T	Solid	3060A	
460-61467-17DU	Duplicate	T	Solid	3060A	
460-61467-17MSI	Matrix Spike Insoluble	T	Solid	3060A	
460-61467-17MSS	Matrix Spike Soluble	T	Solid	3060A	
460-61467-18	WC-7 bottom	T	Solid	3060A	
460-61467-21	WC-8 top	T	Solid	3060A	
460-61467-22	WC-8 bottom	T	Solid	3060A	
460-61467-25	WC-6 top	T	Solid	3060A	
460-61467-26	WC-6 bottom	T	Solid	3060A	

Client: AKRF Inc

Job Number: 460-61467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-177179					
LCSI 460-177143/3-A	Lab Control Sample Insoluble	T	Solid	7196A	460-177143
LCSS 460-177143/2-A	Lab Control Sample Soluble	T	Solid	7196A	460-177143
MB 460-177143/1-A	Method Blank	T	Solid	7196A	460-177143
460-61467-7	WC-4 top	T	Solid	7196A	460-177143
460-61467-8	WC-4 bottom	T	Solid	7196A	460-177143
460-61467-11	WC-5 top	T	Solid	7196A	460-177143
460-61467-12	WC-5 bottom	T	Solid	7196A	460-177143
460-61467-17	WC-7 top	T	Solid	7196A	460-177143
460-61467-17DU	Duplicate	T	Solid	7196A	460-177143
460-61467-17MSI	Matrix Spike Insoluble	T	Solid	7196A	460-177143
460-61467-17MSS	Matrix Spike Soluble	T	Solid	7196A	460-177143
460-61467-18	WC-7 bottom	T	Solid	7196A	460-177143
460-61467-21	WC-8 top	T	Solid	7196A	460-177143
460-61467-22	WC-8 bottom	T	Solid	7196A	460-177143
460-61467-25	WC-6 top	T	Solid	7196A	460-177143
460-61467-26	WC-6 bottom	T	Solid	7196A	460-177143
Analysis Batch:460-177438					
LCSSRM 460-177438/3	LCS-Certified Reference Material	T	Solid	9045C	
MB 460-177438/2	Method Blank	T	Solid	9045C	
460-60481-A-2 DU	Duplicate	T	Solid	9045C	
460-61467-7	WC-4 top	T	Solid	9045C	
460-61467-8	WC-4 bottom	T	Solid	9045C	
460-61467-11	WC-5 top	T	Solid	9045C	
460-61467-12	WC-5 bottom	T	Solid	9045C	
460-61467-17	WC-7 top	T	Solid	9045C	
460-61467-18	WC-7 bottom	T	Solid	9045C	
460-61467-21	WC-8 top	T	Solid	9045C	
460-61467-22	WC-8 bottom	T	Solid	9045C	
460-61467-25	WC-6 top	T	Solid	9045C	
460-61467-26	WC-6 bottom	T	Solid	9045C	
Prep Batch: 460-177546					
LCSSRM 460-177546/2-A	LCS-Certified Reference Material	T	Solid	7.3.4	
MB 460-177546/1-A	Method Blank	T	Solid	7.3.4	
460-61199-B-1-B MS	Matrix Spike	T	Solid	7.3.4	
460-61199-B-1-C MSD	Matrix Spike Duplicate	T	Solid	7.3.4	
460-61467-7	WC-4 top	T	Solid	7.3.4	
460-61467-8	WC-4 bottom	T	Solid	7.3.4	
460-61467-11	WC-5 top	T	Solid	7.3.4	
460-61467-12	WC-5 bottom	T	Solid	7.3.4	

Client: AKRF Inc

Job Number: 460-61467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-177547					
LCSSRM 460-177546/2-A	LCS-Certified Reference Material	T	Solid	9034	460-177546
MB 460-177546/1-A	Method Blank	T	Solid	9034	460-177546
460-61199-B-1-B MS	Matrix Spike	T	Solid	9034	460-177546
460-61199-B-1-C MSD	Matrix Spike Duplicate	T	Solid	9034	460-177546
460-61467-7	WC-4 top	T	Solid	9034	460-177546
460-61467-8	WC-4 bottom	T	Solid	9034	460-177546
460-61467-11	WC-5 top	T	Solid	9034	460-177546
460-61467-12	WC-5 bottom	T	Solid	9034	460-177546
Prep Batch: 460-177553					
LCS 460-177553/2-A	Lab Control Sample	T	Solid	7.3.3	
MB 460-177553/1-A	Method Blank	T	Solid	7.3.3	
460-61199-B-1-E DU	Duplicate	T	Solid	7.3.3	
460-61467-7	WC-4 top	T	Solid	7.3.3	
460-61467-8	WC-4 bottom	T	Solid	7.3.3	
460-61467-11	WC-5 top	T	Solid	7.3.3	
460-61467-12	WC-5 bottom	T	Solid	7.3.3	
Analysis Batch:460-177555					
LCS 460-177553/2-A	Lab Control Sample	T	Solid	9014	460-177553
MB 460-177553/1-A	Method Blank	T	Solid	9014	460-177553
460-61199-B-1-E DU	Duplicate	T	Solid	9014	460-177553
460-61467-7	WC-4 top	T	Solid	9014	460-177553
460-61467-8	WC-4 bottom	T	Solid	9014	460-177553
460-61467-11	WC-5 top	T	Solid	9014	460-177553
460-61467-12	WC-5 bottom	T	Solid	9014	460-177553
Prep Batch: 460-177839					
LCSSRM 460-177839/2-A	LCS-Certified Reference Material	T	Solid	7.3.4	
MB 460-177839/1-A	Method Blank	T	Solid	7.3.4	
460-61467-17	WC-7 top	T	Solid	7.3.4	
460-61467-17MS	Matrix Spike	T	Solid	7.3.4	
460-61467-17MSD	Matrix Spike Duplicate	T	Solid	7.3.4	
460-61467-18	WC-7 bottom	T	Solid	7.3.4	
460-61467-21	WC-8 top	T	Solid	7.3.4	
460-61467-22	WC-8 bottom	T	Solid	7.3.4	
460-61467-25	WC-6 top	T	Solid	7.3.4	
460-61467-26	WC-6 bottom	T	Solid	7.3.4	

Client: AKRF Inc

Job Number: 460-61467-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-177840					
LCSSRM 460-177839/2-A	LCS-Certified Reference Material	T	Solid	9034	460-177839
MB 460-177839/1-A	Method Blank	T	Solid	9034	460-177839
460-61467-17	WC-7 top	T	Solid	9034	460-177839
460-61467-17MS	Matrix Spike	T	Solid	9034	460-177839
460-61467-17MSD	Matrix Spike Duplicate	T	Solid	9034	460-177839
460-61467-18	WC-7 bottom	T	Solid	9034	460-177839
460-61467-21	WC-8 top	T	Solid	9034	460-177839
460-61467-22	WC-8 bottom	T	Solid	9034	460-177839
460-61467-25	WC-6 top	T	Solid	9034	460-177839
460-61467-26	WC-6 bottom	T	Solid	9034	460-177839
Prep Batch: 460-177844					
LCS 460-177844/2-A	Lab Control Sample	T	Solid	7.3.3	
MB 460-177844/1-A	Method Blank	T	Solid	7.3.3	
460-61467-17	WC-7 top	T	Solid	7.3.3	
460-61467-17DU	Duplicate	T	Solid	7.3.3	
460-61467-18	WC-7 bottom	T	Solid	7.3.3	
460-61467-21	WC-8 top	T	Solid	7.3.3	
460-61467-22	WC-8 bottom	T	Solid	7.3.3	
460-61467-25	WC-6 top	T	Solid	7.3.3	
460-61467-26	WC-6 bottom	T	Solid	7.3.3	
Analysis Batch:460-177847					
LCS 460-177844/2-A	Lab Control Sample	T	Solid	9014	460-177844
MB 460-177844/1-A	Method Blank	T	Solid	9014	460-177844
460-61467-17	WC-7 top	T	Solid	9014	460-177844
460-61467-17DU	Duplicate	T	Solid	9014	460-177844
460-61467-18	WC-7 bottom	T	Solid	9014	460-177844
460-61467-21	WC-8 top	T	Solid	9014	460-177844
460-61467-22	WC-8 bottom	T	Solid	9014	460-177844
460-61467-25	WC-6 top	T	Solid	9014	460-177844
460-61467-26	WC-6 bottom	T	Solid	9014	460-177844

Report Basis
T = Total

Client: AKRF Inc

Job Number: 460-61467-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
460-61467-7	WC-4 top	89	106	99	92
460-61467-8	WC-4 bottom	95	109	101	91
460-61467-11	WC-5 top	95	109	102	93
460-61467-12	WC-5 bottom	70	85	80	69*
460-61467-17	WC-7 top	93	109	101	91
460-61467-21	WC-8 top	91	109	102	90
460-61467-22	WC-8 bottom	95	108	102	90
460-61467-25	WC-6 top	96	110	103	94
460-61467-26	WC-6 bottom	98	107	105	98
MB 460-177316/8		76	86	85	79
MB 460-177483/7		88	102	99	89
MB 460-178287/6		102	102	105	102
LB3 460-177937/1-A		99	103	107	101
LCS 460-177316/4		105	105	105	109
LCS 460-177483/4		96	103	101	92
LCS 460-178287/3		99	108	106	100
LCSD 460-177316/6		102	106	106	113
LCSD 460-177483/5		100	108	103	97
LCSD 460-178287/4		102	107	105	101

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane (Surr)	70-130

Client: AKRF Inc

Job Number: 460-61467-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
460-61467-18	WC-7 bottom	99	83	104	91
MB 460-177495/7		101	91	113	99
LCS 460-177495/3		109	98	124	107
LCSD 460-177495/4		105	93	117	102

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	75-135
TOL = Toluene-d8 (Surr)	59-150
BFB = Bromofluorobenzene	72-133
DBFM = Dibromofluoromethane (Surr)	70-130

Client: AKRF Inc

Job Number: 460-61467-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
460-61467-15	TW-2	103	105	110	107
460-61467-16	TB	98	102	105	103
MB 460-177665/6		102	106	112	110
LCS 460-177665/4		96	103	110	105
460-61247-B-1 MS		98	103	110	103
460-61247-B-1 MSD		97	102	110	102

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane (Surr)	70-130

Client: AKRF Inc

Job Number: 460-61467-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	PHL %Rec	TPH %Rec	TBP %Rec	2FP %Rec	FBP %Rec
460-61467-2	TS-2	75	70	68	71	69	82
460-61467-4	TS-4	76	69	70	69	69	82
460-61467-6	TS-6	75	76	86	88	73	78
460-61467-7	WC-4 top	72	66	68	57	66	79
460-61467-8	WC-4 bottom	77	74	70	64	71	87
460-61467-11	WC-5 top	83	82	91	61	79	86
460-61467-12	WC-5 bottom	82	88	85	86	84	83
460-61467-17	WC-7 top	80	85	84	85	80	78
460-61467-18	WC-7 bottom	74	83	88	91	77	81
460-61467-21	WC-8 top	77	84	84	80	77	77
460-61467-22	WC-8 bottom	73	81	78	55	74	76
460-61467-25	WC-6 top	69	76	81	58	68	73
460-61467-26	WC-6 bottom	74	82	87	88	75	76
MB 460-176844/1-A		81	88	92	80	82	80
MB 460-177117/1-A		80	85	86	89	80	77
LCS 460-176844/2-A		72	75	80	76	70	72
LCS 460-177117/2-A		76	82	82	86	76	76
460-61501-A-6-B MS		67	70	80	58	64	67
460-61525-E-4-C MS		78	84	85	89	78	79
460-61501-A-6-C MSD		72	76	85	62	70	71
460-61525-E-4-D MSD		75	81	81	83	76	77

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	38-105
PHL = Phenol-d5	41-118
TPH = Terphenyl-d14	16-151
TBP = 2,4,6-Tribromophenol	10-120
2FP = 2-Fluorophenol	37-125
FBP = 2-Fluorobiphenyl	40-109

Client: AKRF Inc

Job Number: 460-61467-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	NBZ %Rec	PHL %Rec	TPH %Rec	TBP %Rec	2FP %Rec	FBP %Rec
460-61467-15	TW-2	107	32	118	124	49	112
MB 460-176664/1-A		71	35	76	72	53	75
LCS 460-176664/2-A		77	40	73	76	52	77
460-61356-H-6-A MS		88	17	90	94	28	86
460-61356-G-6-C MSD		93	19	99	108	31	96

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	60-114
PHL = Phenol-d5	4-86
TPH = Terphenyl-d14	72-130
TBP = 2,4,6-Tribromophenol	51-126
2FP = 2-Fluorophenol	15-96
FBP = 2-Fluorobiphenyl	50-120

Surrogate Recovery Report

8081A_Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
460-61467-2	TS-2	93	94	105	100
460-61467-4	TS-4	150	155*	162*	159*
460-61467-6	TS-6	126	133	154*	143
460-61467-7	WC-4 top	120	129	155*	139
460-61467-8	WC-4 bottom	122	123	143	129
460-61467-11	WC-5 top	98	102	113	104
460-61467-12	WC-5 bottom	112	113	123	116
460-61467-17	WC-7 top	118	125	142	134
460-61467-18	WC-7 bottom	81	92	138	120
460-61467-21	WC-8 top	140	140	169*	144
460-61467-22	WC-8 bottom	83	82	81	84
460-61467-25	WC-6 top	94	93	110	95
460-61467-26	WC-6 bottom	149	151*	164*	158*
MB 460-176770/1-A		117	123	127	123
MB 460-176986/1-A		149	150	197*	159*
MB 460-177476/1-A		76	79	82	82
LCS 460-176770/2-A		143	145	148	142
LCS 460-176986/2-A		122	125	160*	130
LCS 460-177476/2-A		60	63	58*	60
460-61467-22 MS	WC-8 bottom MS	148	146	148	150
460-61364-E-2-E MS		113	110	114	111
460-61482-C-12-A MS		134	136	175*	141
460-61467-22 MSD	WC-8 bottom MSD	83	82	80	83
460-61364-E-2-F MSD		131	129	129	132
460-61482-C-12-B MSD		145	147	186*	151*

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	37-150
DCB = DCB Decachlorobiphenyl	60-150

Client: AKRF Inc

Job Number: 460-61467-1

Surrogate Recovery Report

8081A Organochlorine Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
460-61467-15	TW-2	72	78	66	68
MB 460-177030/1-A		83	86	104	100
LCS 460-177030/2-A		102	101	111	105
LCSD 460-177030/3-A		96	95	105	100

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	49-132
DCB = DCB Decachlorobiphenyl	37-144

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec
460-61467-2	TS-2	87	91
460-61467-4	TS-4	89	92
460-61467-6	TS-6	61	74
460-61467-7	WC-4 top	99	103
460-61467-8	WC-4 bottom	101	100
460-61467-11	WC-5 top	91	91
460-61467-12	WC-5 bottom	88	92
460-61467-17	WC-7 top	83	88
460-61467-18	WC-7 bottom	69	76
460-61467-21	WC-8 top	64	67
460-61467-22	WC-8 bottom	73	78
460-61467-25	WC-6 top	55	58
460-61467-26	WC-6 bottom	86	93
MB 460-176771/1-A		117	99
MB 460-176988/1-A		80	83
LCS 460-176771/2-A		99	111
LCS 460-176988/2-A		79	81
460-61364-E-2-G MS		97	105
460-61482-C-12-D MS		65	67
460-61364-E-2-H MSD		98	107
460-61482-C-12-E MSD		68	70

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	45-138

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB1 %Rec	DCB2 %Rec
460-61467-15	TW-2	64	68
MB 460-177031/1-A		73	70
LCS 460-177031/2-A		90	91
LCSD 460-177031/3-A		92	91

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	37-150

Client: AKRF Inc

Job Number: 460-61467-1

Surrogate Recovery Report

NJDEP EPH New Jersey Extractable Petroleum Hydrocarbons

Client Matrix: Solid

Lab Sample ID	Client Sample ID	OTPH1 %Rec	1COD1 %Rec
460-61467-7	WC-4 top	111	115
460-61467-8	WC-4 bottom	88	87
460-61467-11	WC-5 top	96	96
460-61467-12	WC-5 bottom	97	95
460-61467-17	WC-7 top	86	97
460-61467-18	WC-7 bottom	70	131
460-61467-21	WC-8 top	90	96
460-61467-22	WC-8 bottom	95	108
460-61467-25	WC-6 top	97	97
460-61467-26	WC-6 bottom	91	90
MB 460-176891/1-A		114	113
LCS 460-176891/2-A		96	102
460-61476-A-2-A MS		92	86
460-61476-A-2-B MSD		103	100

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	40-140
1COD = 1-Chlorooctadecane	40-140

Method Blank - Batch: 460-177316

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-177316/8	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O76937.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/21/2013 1518	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	1.0	U	0.16	1.0
Bromomethane	1.0	U	0.43	1.0
Vinyl chloride	1.0	U	0.34	1.0
Chloroethane	1.0	U	0.33	1.0
Methylene Chloride	1.0	U	0.15	1.0
Acetone	10	U	1.7	10
Carbon disulfide	1.0	U	0.15	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0
1,1-Dichloroethene	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.11	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	1.0	U	0.11	1.0
Chloroform	1.0	U	0.24	1.0
1,2-Dichloroethane	1.0	U	0.18	1.0
2-Butanone	10	U	0.63	10
1,1,1-Trichloroethane	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.15	1.0
Benzene	1.0	U	0.15	1.0
Bromoform	1.0	U	0.17	1.0
2-Hexanone	10	U	0.13	10
Trichloroethene	1.0	U	0.12	1.0
Toluene	1.0	U	0.14	1.0
Chlorobenzene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.20	10
Ethylbenzene	1.0	U	0.17	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
Styrene	1.0	U	0.28	1.0
m&p-Xylene	2.0	U	0.59	2.0
o-Xylene	1.0	U	0.19	1.0
Freon TF	1.0	U	0.11	1.0
MTBE	1.0	U	0.11	1.0
1,2-Dichloropropane	1.0	U	0.15	1.0
Cyclohexane	1.0	U	0.13	1.0
1,3-Dichlorobenzene	1.0	U	0.16	1.0
Tetrachloroethene	1.0	U	0.12	1.0
1,4-Dichlorobenzene	1.0	U	0.11	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
1,2-Dichlorobenzene	1.0	U	0.10	1.0
1,1,2-Trichloroethane	1.0	U	0.14	1.0
1,2,4-Trichlorobenzene	1.0	U	0.19	1.0
Dibromochloromethane	1.0	U	0.10	1.0
1,2-Dibromoethane	1.0	U	0.15	1.0
1,4-Dioxane	50	U	13	50
1,2,3-Trichlorobenzene	1.0	U	0.16	1.0

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-177316

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-177316/8	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O76937.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/21/2013 1518	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	1.0	U	0.22	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.44	1.0
Bromochloromethane	1.0	U	0.11	1.0
Bromodichloromethane	1.0	U	0.32	1.0
Isopropylbenzene	1.0	U	0.11	1.0
Methyl acetate	1.0	U	0.32	1.0
Methylcyclohexane	1.0	U	0.10	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	76	70 - 130
Toluene-d8 (Surr)	86	70 - 130
Bromofluorobenzene	85	70 - 130
Dibromofluoromethane (Surr)	79	70 - 130

Method Blank TICs- Batch: 460-177316

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-177316

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-177316/4	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O76933.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/21/2013 1154	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-177316/6	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O76935.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/21/2013 1333	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloromethane	114	112	50 - 151	2	30		
Bromomethane	122	129	54 - 142	5	30		
Vinyl chloride	117	127	67 - 133	8	30		
Chloroethane	113	121	56 - 146	7	30		
Methylene Chloride	123	133	74 - 137	8	30		
Acetone	109	109	27 - 164	1	30		
Carbon disulfide	112	119	72 - 128	6	30		
Trichlorofluoromethane	111	120	61 - 139	8	30		
1,1-Dichloroethene	109	115	71 - 126	5	30		
1,1-Dichloroethane	106	111	76 - 125	4	30		
trans-1,2-Dichloroethene	99	104	75 - 122	4	30		
cis-1,2-Dichloroethene	105	106	80 - 120	1	30		
Chloroform	118	114	77 - 120	4	30		
1,2-Dichloroethane	99	100	76 - 118	2	30		
2-Butanone	92	82	77 - 117	11	30		
1,1,1-Trichloroethane	100	101	78 - 117	1	30		
Carbon tetrachloride	96	98	79 - 118	2	30		
Benzene	101	100	77 - 117	1	30		
Bromoform	106	108	59 - 125	1	30		
2-Hexanone	91	86	70 - 122	5	30		
Trichloroethene	98	90	79 - 119	9	30		
Toluene	101	102	75 - 115	1	30		
Chlorobenzene	104	103	80 - 120	1	30		
trans-1,3-Dichloropropene	98	97	67 - 121	1	30		
4-Methyl-2-pentanone	83	76	68 - 120	9	30		
Ethylbenzene	104	104	81 - 121	0	30		
cis-1,3-Dichloropropene	96	92	80 - 123	5	30		
Styrene	103	104	82 - 122	0	30		
m&p-Xylene	97	96	81 - 121	1	30		
o-Xylene	99	101	82 - 122	2	30		
Freon TF	98	99	73 - 123	1	30		
MTBE	91	87	78 - 120	6	30		
1,2-Dichloropropane	97	92	82 - 122	5	30		
Cyclohexane	93	94	80 - 121	2	30		
1,3-Dichlorobenzene	104	104	80 - 120	0	30		

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-177316

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-177316/4	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O76933.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/21/2013 1154	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-177316/6	Analysis Batch:	460-177316	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O76935.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/21/2013 1333	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Tetrachloroethene	95	101	80 - 120	6	30		
1,4-Dichlorobenzene	102	104	80 - 120	2	30		
1,1,2,2-Tetrachloroethane	93	96	79 - 122	3	30		
1,2-Dichlorobenzene	109	111	80 - 120	2	30		
1,1,2-Trichloroethane	95	95	73 - 118	1	30		
1,2,4-Trichlorobenzene	115	121	80 - 120	5	30		*
Dibromochloromethane	100	100	68 - 120	0	30		
1,2-Dibromoethane	102	105	75 - 117	3	30		
1,4-Dioxane	112	108	69 - 131	3	30		
1,2,3-Trichlorobenzene	119	123	75 - 121	3	30		*
Dichlorodifluoromethane	103	115	52 - 144	11	30		
1,2-Dibromo-3-Chloropropane	117	121	74 - 118	3	30		*
Bromochloromethane	111	121	74 - 125	8	30		
Bromodichloromethane	96	94	79 - 119	2	30		
Isopropylbenzene	103	107	65 - 129	3	30		
Methyl acetate	115	112	73 - 137	3	30		
Methylcyclohexane	91	88	78 - 118	3	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	102	70 - 130
Toluene-d8 (Surr)	105	106	70 - 130
Bromofluorobenzene	105	106	70 - 130
Dibromofluoromethane (Surr)	109	113	70 - 130

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-177483

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-177483/7	Analysis Batch:	460-177483	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O76964.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/22/2013 0808	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	1.0	U	0.16	1.0
Bromomethane	1.0	U	0.43	1.0
Vinyl chloride	1.0	U	0.34	1.0
Chloroethane	1.0	U	0.33	1.0
Methylene Chloride	1.0	U	0.15	1.0
Acetone	10	U	1.7	10
Carbon disulfide	1.0	U	0.15	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0
1,1-Dichloroethene	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.11	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	1.0	U	0.11	1.0
Chloroform	1.0	U	0.24	1.0
1,2-Dichloroethane	1.0	U	0.18	1.0
2-Butanone	10	U	0.63	10
1,1,1-Trichloroethane	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.15	1.0
Benzene	1.0	U	0.15	1.0
Bromoform	1.0	U	0.17	1.0
2-Hexanone	10	U	0.13	10
Trichloroethene	1.0	U	0.12	1.0
Toluene	1.0	U	0.14	1.0
Chlorobenzene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.20	10
Ethylbenzene	1.0	U	0.17	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
Styrene	1.0	U	0.28	1.0
m&p-Xylene	2.0	U	0.59	2.0
o-Xylene	1.0	U	0.19	1.0
Freon TF	1.0	U	0.11	1.0
MTBE	1.0	U	0.11	1.0
1,2-Dichloropropane	1.0	U	0.15	1.0
Cyclohexane	1.0	U	0.13	1.0
1,3-Dichlorobenzene	1.0	U	0.16	1.0
Tetrachloroethene	1.0	U	0.12	1.0
1,4-Dichlorobenzene	1.0	U	0.11	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
1,2-Dichlorobenzene	1.0	U	0.10	1.0
1,1,2-Trichloroethane	1.0	U	0.14	1.0
1,2,4-Trichlorobenzene	1.0	U	0.19	1.0
Dibromochloromethane	1.0	U	0.10	1.0
1,2-Dibromoethane	1.0	U	0.15	1.0
1,4-Dioxane	50	U	13	50
1,2,3-Trichlorobenzene	1.0	U	0.16	1.0

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-177483

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-177483/7	Analysis Batch:	460-177483	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O76964.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/22/2013 0808	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	1.0	U	0.22	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.44	1.0
Bromochloromethane	1.0	U	0.11	1.0
Bromodichloromethane	1.0	U	0.32	1.0
Isopropylbenzene	1.0	U	0.11	1.0
Methyl acetate	1.0	U	0.32	1.0
Methylcyclohexane	1.0	U	0.10	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	70 - 130
Toluene-d8 (Surr)	102	70 - 130
Bromofluorobenzene	99	70 - 130
Dibromofluoromethane (Surr)	89	70 - 130

Method Blank TICs- Batch: 460-177483

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-177483

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-177483/4	Analysis Batch:	460-177483	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O76961.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/22/2013 0633	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-177483/5	Analysis Batch:	460-177483	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O76962.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/22/2013 0658	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloromethane	86	95	50 - 151	10	30		
Bromomethane	99	101	54 - 142	2	30		
Vinyl chloride	104	108	67 - 133	4	30		
Chloroethane	92	102	56 - 146	10	30		
Methylene Chloride	86	91	74 - 137	6	30		
Acetone	124	142	27 - 164	14	30		
Carbon disulfide	91	92	72 - 128	1	30		
Trichlorofluoromethane	98	98	61 - 139	1	30		
1,1-Dichloroethene	91	90	71 - 126	1	30		
1,1-Dichloroethane	86	87	76 - 125	1	30		
trans-1,2-Dichloroethene	89	91	75 - 122	2	30		
cis-1,2-Dichloroethene	91	91	80 - 120	1	30		
Chloroform	92	100	77 - 120	8	30		
1,2-Dichloroethane	80	85	76 - 118	6	30		
2-Butanone	83	88	77 - 117	6	30		
1,1,1-Trichloroethane	88	88	78 - 117	0	30		
Carbon tetrachloride	89	88	79 - 118	1	30		
Benzene	98	99	77 - 117	2	30		
Bromoform	88	96	59 - 125	9	30		
2-Hexanone	119	130	70 - 122	9	30		*
Trichloroethene	85	88	79 - 119	3	30		
Toluene	97	97	75 - 115	1	30		
Chlorobenzene	93	95	80 - 120	3	30		
trans-1,3-Dichloropropene	90	95	67 - 121	5	30		
4-Methyl-2-pentanone	107	118	68 - 120	10	30		
Ethylbenzene	94	96	81 - 121	2	30		
cis-1,3-Dichloropropene	91	98	80 - 123	7	30		
Styrene	93	94	82 - 122	2	30		
m&p-Xylene	94	95	81 - 121	1	30		
o-Xylene	94	96	82 - 122	1	30		
Freon TF	88	84	73 - 123	4	30		
MTBE	83	89	78 - 120	7	30		
1,2-Dichloropropane	83	84	82 - 122	0	30		
Cyclohexane	87	88	80 - 121	0	30		
1,3-Dichlorobenzene	93	96	80 - 120	3	30		

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-177483

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-177483/4	Analysis Batch:	460-177483	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O76961.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/22/2013 0633	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-177483/5	Analysis Batch:	460-177483	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O76962.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/22/2013 0658	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Tetrachloroethene	96	98	80 - 120	3	30		
1,4-Dichlorobenzene	90	95	80 - 120	5	30		
1,1,2,2-Tetrachloroethane	95	103	79 - 122	8	30		
1,2-Dichlorobenzene	92	93	80 - 120	2	30		
1,1,2-Trichloroethane	92	96	73 - 118	4	30		
1,2,4-Trichlorobenzene	87	94	80 - 120	7	30		
Dibromochloromethane	87	92	68 - 120	5	30		
1,2-Dibromoethane	90	98	75 - 117	8	30		
1,4-Dioxane	80	82	69 - 131	2	30		
1,2,3-Trichlorobenzene	87	94	75 - 121	8	30		
Dichlorodifluoromethane	95	100	52 - 144	5	30		
1,2-Dibromo-3-Chloropropane	111	113	74 - 118	3	30		
Bromochloromethane	80	88	74 - 125	9	30		
Bromodichloromethane	81	82	79 - 119	2	30		
Isopropylbenzene	92	96	65 - 129	4	30		
Methyl acetate	102	114	73 - 137	11	30		
Methylcyclohexane	81	88	78 - 118	9	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	100	70 - 130
Toluene-d8 (Surr)	103	108	70 - 130
Bromofluorobenzene	101	103	70 - 130
Dibromofluoromethane (Surr)	92	97	70 - 130

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-177495

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-177495/7	Analysis Batch:	460-177495	Instrument ID:	CVOAMS2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	B59887.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/22/2013 1150	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	50	U	4.8	50
Bromomethane	50	U	9.1	50
Vinyl chloride	50	U	7.2	50
Chloroethane	50	U	8.5	50
Methylene Chloride	50	U	9.1	50
Acetone	250	U	130	250
Carbon disulfide	50	U	6.3	50
Trichlorofluoromethane	50	U	7.3	50
1,1-Dichloroethene	50	U	4.4	50
1,1-Dichloroethane	50	U	6.5	50
trans-1,2-Dichloroethene	50	U	6.4	50
cis-1,2-Dichloroethene	50	U	8.9	50
Chloroform	50	U	3.9	50
1,2-Dichloroethane	50	U	9.5	50
2-Butanone	250	U	120	250
1,1,1-Trichloroethane	50	U	3.1	50
Carbon tetrachloride	50	U	2.9	50
Benzene	50	U	4.1	50
Bromoform	50	U	9.6	50
2-Hexanone	250	U	25	250
Trichloroethene	50	U	4.6	50
Toluene	50	U	7.5	50
Chlorobenzene	50	U	5.5	50
trans-1,3-Dichloropropene	50	U	12	50
4-Methyl-2-pentanone	250	U	49	250
Ethylbenzene	50	U	4.8	50
cis-1,3-Dichloropropene	50	U	9.2	50
Styrene	50	U	5.9	50
m&p-Xylene	100	U	12	100
o-Xylene	50	U	6.5	50
Freon TF	50	U	4.1	50
MTBE	50	U	6.9	50
1,2-Dichloropropane	50	U	4.3	50
Cyclohexane	50	U	7.9	50
1,3-Dichlorobenzene	50	U	6.8	50
Tetrachloroethene	50	U	4.9	50
1,4-Dichlorobenzene	50	U	12	50
1,1,2,2-Tetrachloroethane	50	U	7.9	50
1,2-Dichlorobenzene	50	U	10	50
1,1,2-Trichloroethane	50	U	9.4	50
1,2,4-Trichlorobenzene	50	U	17	50
Dibromochloromethane	50	U	10	50
1,2-Dibromoethane	50	U	14	50
1,4-Dioxane	2500	U	1800	2500
1,2,3-Trichlorobenzene	50	U	26	50

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-177495

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-177495/7	Analysis Batch:	460-177495	Instrument ID:	CVOAMS2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	B59887.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/22/2013 1150	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	50	U	11	50
1,2-Dibromo-3-Chloropropane	50	U	20	50
Bromochloromethane	50	U	14	50
Bromodichloromethane	50	U	6.3	50
Isopropylbenzene	50	U	3.8	50
Methyl acetate	100	U	17	100
Methylcyclohexane	50	U	6.8	50

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	75 - 135
Toluene-d8 (Surr)	91	59 - 150
Bromofluorobenzene	113	72 - 133
Dibromofluoromethane (Surr)	99	70 - 130

Method Blank TICs- Batch: 460-177495

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-177495

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-177495/3	Analysis Batch:	460-177495	Instrument ID:	CVOAMS2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	B59883.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/22/2013 1007	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-177495/4	Analysis Batch:	460-177495	Instrument ID:	CVOAMS2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	B59884.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/22/2013 1030	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloromethane	108	133	52 - 144	20	30		
Bromomethane	88	111	58 - 154	22	30		
Vinyl chloride	89	112	55 - 154	23	30		
Chloroethane	75	92	66 - 144	19	30		
Methylene Chloride	95	92	78 - 118	3	30		
Acetone	80	82	48 - 177	2	30		
Carbon disulfide	95	76	70 - 120	22	30		
Trichlorofluoromethane	82	93	60 - 148	13	30		
1,1-Dichloroethene	90	81	68 - 138	11	30		
1,1-Dichloroethane	99	95	79 - 119	5	30		
trans-1,2-Dichloroethene	98	89	73 - 119	10	30		
cis-1,2-Dichloroethene	93	92	78 - 118	1	30		
Chloroform	97	100	81 - 122	3	30		
1,2-Dichloroethane	96	100	81 - 121	4	30		
2-Butanone	93	103	70 - 139	10	30		
1,1,1-Trichloroethane	100	87	78 - 118	14	30		
Carbon tetrachloride	98	85	64 - 130	14	30		
Benzene	82	79	71 - 118	4	30		
Bromoform	105	112	76 - 133	7	30		
2-Hexanone	76	83	62 - 123	9	30		
Trichloroethene	100	99	82 - 122	0	30		
Toluene	89	87	79 - 136	2	30		
Chlorobenzene	100	101	69 - 124	1	30		
trans-1,3-Dichloropropene	89	96	73 - 118	7	30		
4-Methyl-2-pentanone	75	83	69 - 124	10	30		
Ethylbenzene	99	98	78 - 124	1	30		
cis-1,3-Dichloropropene	88	94	75 - 120	6	30		
Styrene	104	105	73 - 126	1	30		
m&p-Xylene	100	100	78 - 127	0	30		
o-Xylene	103	103	77 - 122	1	30		
Freon TF	113	99	50 - 128	14	30		
MTBE	91	84	65 - 143	7	30		
1,2-Dichloropropane	97	97	78 - 118	0	30		
Cyclohexane	80	56	69 - 128	35	30		*
1,3-Dichlorobenzene	97	99	83 - 123	2	30		

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-177495

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-177495/3	Analysis Batch:	460-177495	Instrument ID:	CVOAMS2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	B59883.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/22/2013 1007	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-177495/4	Analysis Batch:	460-177495	Instrument ID:	CVOAMS2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	B59884.D
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/22/2013 1030	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Tetrachloroethene	95	88	78 - 136	8	30		
1,4-Dichlorobenzene	96	100	84 - 124	4	30		
1,1,2,2-Tetrachloroethane	93	98	86 - 145	5	30		
1,2-Dichlorobenzene	95	98	83 - 123	3	30		
1,1,2-Trichloroethane	88	92	77 - 120	4	30		
1,2,4-Trichlorobenzene	83	88	62 - 144	6	30		
Dibromochloromethane	93	98	78 - 118	6	30		
1,2-Dibromoethane	93	96	76 - 120	3	30		
1,4-Dioxane	106	112	54 - 147	5	30		
1,2,3-Trichlorobenzene	91	97	36 - 207	6	30		
Dichlorodifluoromethane	75	90	41 - 149	19	30		
1,2-Dibromo-3-Chloropropane	78	86	62 - 127	10	30		
Bromochloromethane	96	96	81 - 121	1	30		
Bromodichloromethane	98	102	78 - 118	3	30		
Isopropylbenzene	103	101	80 - 143	2	30		
Methyl acetate	91	82	72 - 165	10	30		
Methylcyclohexane	74	59	80 - 134	22	30	*	*

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	105	75 - 135
Toluene-d8 (Surr)	98	93	59 - 150
Bromofluorobenzene	124	117	72 - 133
Dibromofluoromethane (Surr)	107	102	70 - 130

Method Blank - Batch: 460-177665

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 460-177665/6	Analysis Batch:	460-177665	Instrument ID:	CVOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	K16625.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/23/2013 0013	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/23/2013 0013				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	1.0	U	0.10	1.0
Bromomethane	1.0	U	0.18	1.0
Vinyl chloride	1.0	U	0.14	1.0
Chloroethane	1.0	U	0.17	1.0
Methylene Chloride	1.0	U	0.18	1.0
Acetone	5.0	U	2.7	5.0
Carbon disulfide	1.0	U	0.13	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
Chloroform	1.0	U	0.080	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
2-Butanone	5.0	U	2.3	5.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Benzene	1.0	U	0.080	1.0
Bromoform	1.0	U	0.19	1.0
2-Hexanone	5.0	U	0.50	5.0
Trichloroethene	1.0	U	0.090	1.0
Toluene	1.0	U	0.15	1.0
Chlorobenzene	1.0	U	0.11	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
4-Methyl-2-pentanone	5.0	U	0.99	5.0
Ethylbenzene	1.0	U	0.10	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Styrene	1.0	U	0.12	1.0
m&p-Xylene	2.0	U	0.25	2.0
o-Xylene	1.0	U	0.13	1.0
Freon TF	1.0	U	0.080	1.0
MTBE	1.0	U	0.14	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
Cyclohexane	1.0	U	0.16	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
Tetrachloroethene	1.0	U	0.10	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
1,2,4-Trichlorobenzene	1.0	U	0.34	1.0
Dibromochloromethane	1.0	U	0.20	1.0
1,2-Dibromoethane	1.0	U	0.28	1.0
1,4-Dioxane	50	U	36	50
1,2,3-Trichlorobenzene	1.0	U	0.51	1.0

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-177665

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 460-177665/6	Analysis Batch:	460-177665	Instrument ID:	CVOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	K16625.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/23/2013 0013	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/23/2013 0013				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	1.0	U	0.22	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.40	1.0
Bromochloromethane	1.0	U	0.27	1.0
Bromodichloromethane	1.0	U	0.12	1.0
Isopropylbenzene	1.0	U	0.080	1.0
Methyl acetate	2.0	U	0.34	2.0
Methylcyclohexane	1.0	U	0.14	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	70 - 130
Toluene-d8 (Surr)	106	70 - 130
Bromofluorobenzene	112	70 - 130
Dibromofluoromethane (Surr)	110	70 - 130

Method Blank TICs- Batch: 460-177665

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Lab Control Sample - Batch: 460-177665

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 460-177665/4	Analysis Batch:	460-177665	Instrument ID:	CVOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	K16623.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/22/2013 2305	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/22/2013 2305				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	20.0	14.6	73	58 - 146	
Bromomethane	20.0	22.9	114	55 - 153	
Vinyl chloride	20.0	15.8	79	61 - 144	
Chloroethane	20.0	15.8	79	69 - 145	
Methylene Chloride	20.0	18.5	93	79 - 119	
Acetone	100	78.9	79	45 - 156	
Carbon disulfide	20.0	15.7	79	58 - 139	
Trichlorofluoromethane	20.0	17.0	85	69 - 147	
1,1-Dichloroethene	20.0	17.5	87	56 - 139	
1,1-Dichloroethane	20.0	20.8	104	78 - 122	
trans-1,2-Dichloroethene	20.0	19.6	98	75 - 122	
cis-1,2-Dichloroethene	20.0	20.7	103	80 - 120	
Chloroform	20.0	20.8	104	82 - 123	
1,2-Dichloroethane	20.0	19.0	95	74 - 118	
2-Butanone	100	125	125	65 - 114	*
1,1,1-Trichloroethane	20.0	19.5	97	74 - 128	
Carbon tetrachloride	20.0	20.2	101	73 - 120	
Benzene	20.0	19.3	96	83 - 124	
Bromoform	20.0	20.2	101	73 - 123	
2-Hexanone	100	90.2	90	53 - 121	
Trichloroethene	20.0	19.0	95	78 - 119	
Toluene	20.0	19.6	98	80 - 120	
Chlorobenzene	20.0	20.6	103	81 - 121	
trans-1,3-Dichloropropene	20.0	18.9	95	78 - 118	
4-Methyl-2-pentanone	100	97.0	97	53 - 120	
Ethylbenzene	20.0	19.5	98	79 - 126	
cis-1,3-Dichloropropene	20.0	20.1	101	80 - 120	
Styrene	20.0	20.3	101	69 - 112	
m&p-Xylene	20.0	20.2	101	76 - 120	
o-Xylene	20.0	20.6	103	78 - 118	
Freon TF	20.0	17.5	88	47 - 139	
MTBE	20.0	18.5	93	71 - 115	
1,2-Dichloropropane	20.0	19.8	99	80 - 120	
Cyclohexane	20.0	18.3	92	58 - 133	
1,3-Dichlorobenzene	20.0	20.2	101	81 - 126	
Tetrachloroethene	20.0	20.4	102	68 - 139	
1,4-Dichlorobenzene	20.0	20.2	101	83 - 123	
1,1,2,2-Tetrachloroethane	20.0	17.7	89	74 - 126	
1,2-Dichlorobenzene	20.0	19.9	100	82 - 122	
1,1,2-Trichloroethane	20.0	18.9	94	79 - 119	
1,2,4-Trichlorobenzene	20.0	20.0	100	66 - 120	

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample - Batch: 460-177665

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 460-177665/4	Analysis Batch:	460-177665	Instrument ID:	CVOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	K16623.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/22/2013 2305	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/22/2013 2305				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibromochloromethane	20.0	20.0	100	80 - 120	
1,2-Dibromoethane	20.0	18.8	94	78 - 118	
1,4-Dioxane	400	452	113	52 - 126	
1,2,3-Trichlorobenzene	20.0	18.8	94	76 - 123	
Dichlorodifluoromethane	20.0	18.3	91	46 - 145	
1,2-Dibromo-3-Chloropropane	20.0	16.7	84	70 - 116	
Bromochloromethane	20.0	20.6	103	80 - 121	
Bromodichloromethane	20.0	18.5	92	79 - 119	
Isopropylbenzene	20.0	20.4	102	80 - 125	
Methyl acetate	100	82.5	83	50 - 151	
Methylcyclohexane	20.0	17.9	89	61 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	70 - 130
Toluene-d8 (Surr)	103	70 - 130
Bromofluorobenzene	110	70 - 130
Dibromofluoromethane (Surr)	105	70 - 130

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-177665

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	460-61247-B-1 MS	Analysis Batch:	460-177665	Instrument ID:	CVOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	K16631.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/23/2013 0235			Final Weight/Volume:	5 mL
Prep Date:	08/23/2013 0235				
Leach Date:	N/A				

MSD Lab Sample ID:	460-61247-B-1 MSD	Analysis Batch:	460-177665	Instrument ID:	CVOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	K16632.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/23/2013 0259			Final Weight/Volume:	5 mL
Prep Date:	08/23/2013 0259				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloromethane	71	76	58 - 146	7	30		
Bromomethane	108	114	55 - 153	6	30		
Vinyl chloride	76	82	61 - 144	7	30		
Chloroethane	70	76	69 - 145	7	30		
Methylene Chloride	93	93	79 - 119	1	30		
Acetone	85	80	45 - 156	7	30		
Carbon disulfide	77	83	58 - 139	7	30		
Trichlorofluoromethane	85	94	69 - 147	9	30		
1,1-Dichloroethene	92	91	56 - 139	1	30		
1,1-Dichloroethane	102	102	78 - 122	0	30		
trans-1,2-Dichloroethene	97	98	75 - 122	2	30		
cis-1,2-Dichloroethene	102	103	80 - 120	1	30		
Chloroform	103	103	82 - 123	1	30		
1,2-Dichloroethane	101	100	74 - 118	1	30		
2-Butanone	116	112	65 - 114	3	30	*	
1,1,1-Trichloroethane	97	100	74 - 128	3	30		
Carbon tetrachloride	100	104	73 - 120	5	30		
Benzene	97	98	83 - 124	1	30		
Bromoform	103	104	73 - 123	1	30		
2-Hexanone	97	98	53 - 121	1	30		
Trichloroethene	94	98	78 - 119	4	30		
Toluene	32	59	80 - 120	2	30	*	*
Chlorobenzene	102	103	81 - 121	1	30		
trans-1,3-Dichloropropene	96	96	78 - 118	0	30		
4-Methyl-2-pentanone	107	106	53 - 120	0	30		
Ethylbenzene	98	102	79 - 126	3	30		
cis-1,3-Dichloropropene	101	102	80 - 120	0	30		
Styrene	102	102	69 - 112	0	30		
m&p-Xylene	98	104	76 - 120	2	30		
o-Xylene	103	104	78 - 118	0	30		
Freon TF	86	85	47 - 139	1	30		
MTBE	95	97	71 - 115	1	30		

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-177665

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	460-61247-B-1 MS	Analysis Batch:	460-177665	Instrument ID:	CVOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	K16631.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/23/2013 0235			Final Weight/Volume:	5 mL
Prep Date:	08/23/2013 0235				
Leach Date:	N/A				

MSD Lab Sample ID:	460-61247-B-1 MSD	Analysis Batch:	460-177665	Instrument ID:	CVOAMS9
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	K16632.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/23/2013 0259			Final Weight/Volume:	5 mL
Prep Date:	08/23/2013 0259				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2-Dichloropropane	100	102	80 - 120	1	30		
Cyclohexane	92	96	58 - 133	2	30		
1,3-Dichlorobenzene	100	102	81 - 126	1	30		
Tetrachloroethene	101	104	68 - 139	3	30		
1,4-Dichlorobenzene	99	100	83 - 123	1	30		
1,1,2,2-Tetrachloroethane	92	94	74 - 126	2	30		
1,2-Dichlorobenzene	99	100	82 - 122	1	30		
1,1,2-Trichloroethane	101	99	79 - 119	2	30		
1,2,4-Trichlorobenzene	96	102	66 - 120	6	30		
Dibromochloromethane	99	100	80 - 120	1	30		
1,2-Dibromoethane	96	92	78 - 118	4	30		
1,4-Dioxane	101	96	52 - 126	6	30		
1,2,3-Trichlorobenzene	92	97	76 - 123	5	30		
Dichlorodifluoromethane	93	100	46 - 145	7	30		
1,2-Dibromo-3-Chloropropane	86	89	70 - 116	3	30		
Bromochloromethane	105	105	80 - 121	0	30		
Bromodichloromethane	93	92	79 - 119	1	30		
Isopropylbenzene	99	103	80 - 125	4	30		
Methyl acetate	142	144	50 - 151	1	30		
Methylcyclohexane	85	103	61 - 129	5	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	97	70 - 130
Toluene-d8 (Surr)	103	102	70 - 130
Bromofluorobenzene	110	110	70 - 130
Dibromofluoromethane (Surr)	103	102	70 - 130

Neutral Leach or MeOH Extraction Blank - Batch: 460-177937

Method: 8260B
Preparation: 5035

Lab Sample ID:	LB3 460-177937/1-A	Analysis Batch:	460-178287	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	460-177937	Lab File ID:	O77157.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/27/2013 1217	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	08/24/2013 1721				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	1.0	U	0.16	1.0
Bromomethane	1.0	U	0.43	1.0
Vinyl chloride	1.0	U	0.34	1.0
Chloroethane	1.0	U	0.33	1.0
Methylene Chloride	1.0	U	0.15	1.0
Acetone	10	U	1.7	10
Carbon disulfide	1.0	U	0.15	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0
1,1-Dichloroethene	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.11	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	1.0	U	0.11	1.0
Chloroform	1.0	U	0.24	1.0
1,2-Dichloroethane	1.0	U	0.18	1.0
2-Butanone	10	U	0.63	10
1,1,1-Trichloroethane	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.15	1.0
Benzene	1.0	U	0.15	1.0
Bromoform	1.0	U	0.17	1.0
2-Hexanone	10	U	0.13	10
Trichloroethene	1.0	U	0.12	1.0
Toluene	0.170	J	0.14	1.0
Chlorobenzene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.20	10
Ethylbenzene	1.0	U	0.17	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
Styrene	1.0	U	0.28	1.0
m&p-Xylene	2.0	U	0.59	2.0
o-Xylene	1.0	U	0.19	1.0
Freon TF	1.0	U	0.11	1.0
MTBE	1.0	U	0.11	1.0
1,2-Dichloropropane	1.0	U	0.15	1.0
Cyclohexane	1.0	U	0.13	1.0
1,3-Dichlorobenzene	1.0	U	0.16	1.0
Tetrachloroethene	0.121	J	0.12	1.0
1,4-Dichlorobenzene	1.0	U	0.11	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
1,2-Dichlorobenzene	1.0	U	0.10	1.0
1,1,2-Trichloroethane	1.0	U	0.14	1.0
1,2,4-Trichlorobenzene	1.0	U	0.19	1.0
Dibromochloromethane	1.0	U	0.10	1.0
1,2-Dibromoethane	1.0	U	0.15	1.0
1,4-Dioxane	50	U	13	50
1,2,3-Trichlorobenzene	1.0	U	0.16	1.0

Neutral Leach or MeOH Extraction Blank - Batch: 460-177937

Method: 8260B
Preparation: 5035

Lab Sample ID:	LB3 460-177937/1-A	Analysis Batch:	460-178287	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	460-177937	Lab File ID:	O77157.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/27/2013 1217	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	08/24/2013 1721				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	1.0	U	0.22	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.44	1.0
Bromochloromethane	1.0	U	0.11	1.0
Bromodichloromethane	1.0	U	0.32	1.0
Isopropylbenzene	1.0	U	0.11	1.0
Methyl acetate	1.0	U	0.32	1.0
Methylcyclohexane	1.0	U	0.10	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	70 - 130
Toluene-d8 (Surr)	103	70 - 130
Bromofluorobenzene	107	70 - 130
Dibromofluoromethane (Surr)	101	70 - 130

Method Blank TICs- Batch: 460-177937

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-178287

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-178287/6	Analysis Batch:	460-178287	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O77149.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/27/2013 0846	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	1.0	U	0.16	1.0
Bromomethane	1.0	U	0.43	1.0
Vinyl chloride	1.0	U	0.34	1.0
Chloroethane	1.0	U	0.33	1.0
Methylene Chloride	1.0	U	0.15	1.0
Acetone	10	U	1.7	10
Carbon disulfide	1.0	U	0.15	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0
1,1-Dichloroethene	1.0	U	0.19	1.0
1,1-Dichloroethane	1.0	U	0.11	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	1.0	U	0.11	1.0
Chloroform	1.0	U	0.24	1.0
1,2-Dichloroethane	1.0	U	0.18	1.0
2-Butanone	10	U	0.63	10
1,1,1-Trichloroethane	1.0	U	0.13	1.0
Carbon tetrachloride	1.0	U	0.15	1.0
Benzene	1.0	U	0.15	1.0
Bromoform	1.0	U	0.17	1.0
2-Hexanone	10	U	0.13	10
Trichloroethene	1.0	U	0.12	1.0
Toluene	1.0	U	0.14	1.0
Chlorobenzene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.10	1.0
4-Methyl-2-pentanone	10	U	0.20	10
Ethylbenzene	1.0	U	0.17	1.0
cis-1,3-Dichloropropene	1.0	U	0.14	1.0
Styrene	1.0	U	0.28	1.0
m&p-Xylene	2.0	U	0.59	2.0
o-Xylene	1.0	U	0.19	1.0
Freon TF	1.0	U	0.11	1.0
MTBE	1.0	U	0.11	1.0
1,2-Dichloropropane	1.0	U	0.15	1.0
Cyclohexane	1.0	U	0.13	1.0
1,3-Dichlorobenzene	1.0	U	0.16	1.0
Tetrachloroethene	1.0	U	0.12	1.0
1,4-Dichlorobenzene	1.0	U	0.11	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
1,2-Dichlorobenzene	1.0	U	0.10	1.0
1,1,2-Trichloroethane	1.0	U	0.14	1.0
1,2,4-Trichlorobenzene	1.0	U	0.19	1.0
Dibromochloromethane	1.0	U	0.10	1.0
1,2-Dibromoethane	1.0	U	0.15	1.0
1,4-Dioxane	50	U	13	50
1,2,3-Trichlorobenzene	1.0	U	0.16	1.0

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-178287

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-178287/6	Analysis Batch:	460-178287	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O77149.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/27/2013 0846	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	1.0	U	0.22	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.44	1.0
Bromochloromethane	1.0	U	0.11	1.0
Bromodichloromethane	1.0	U	0.32	1.0
Isopropylbenzene	1.0	U	0.11	1.0
Methyl acetate	1.0	U	0.32	1.0
Methylcyclohexane	1.0	U	0.10	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	70 - 130
Toluene-d8 (Surr)	102	70 - 130
Bromofluorobenzene	105	70 - 130
Dibromofluoromethane (Surr)	102	70 - 130

Method Blank TICs- Batch: 460-178287

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-178287

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-178287/3	Analysis Batch:	460-178287	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O77146.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/27/2013 0708	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-178287/4	Analysis Batch:	460-178287	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O77147.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/27/2013 0734	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloromethane	78	78	50 - 151	0	30		
Bromomethane	95	90	54 - 142	6	30		
Vinyl chloride	86	88	67 - 133	3	30		
Chloroethane	84	81	56 - 146	4	30		
Methylene Chloride	89	87	74 - 137	3	30		
Acetone	99	94	27 - 164	5	30		
Carbon disulfide	82	81	72 - 128	1	30		
Trichlorofluoromethane	95	95	61 - 139	0	30		
1,1-Dichloroethene	91	86	71 - 126	5	30		
1,1-Dichloroethane	85	82	76 - 125	3	30		
trans-1,2-Dichloroethene	93	92	75 - 122	2	30		
cis-1,2-Dichloroethene	89	92	80 - 120	2	30		
Chloroform	90	89	77 - 120	1	30		
1,2-Dichloroethane	91	92	76 - 118	1	30		
2-Butanone	100	115	77 - 117	14	30		
1,1,1-Trichloroethane	98	95	78 - 117	3	30		
Carbon tetrachloride	100	100	79 - 118	1	30		
Benzene	97	94	77 - 117	4	30		
Bromoform	100	93	59 - 125	8	30		
2-Hexanone	99	96	70 - 122	3	30		
Trichloroethene	95	98	79 - 119	4	30		
Toluene	97	94	75 - 115	3	30		
Chlorobenzene	98	96	80 - 120	2	30		
trans-1,3-Dichloropropene	99	98	67 - 121	1	30		
4-Methyl-2-pentanone	96	94	68 - 120	1	30		
Ethylbenzene	97	96	81 - 121	1	30		
cis-1,3-Dichloropropene	99	96	80 - 123	3	30		
Styrene	99	96	82 - 122	4	30		
m&p-Xylene	100	98	81 - 121	2	30		
o-Xylene	100	98	82 - 122	1	30		
Freon TF	90	87	73 - 123	4	30		
MTBE	96	104	78 - 120	8	30		
1,2-Dichloropropane	85	86	82 - 122	2	30		
Cyclohexane	87	87	80 - 121	0	30		
1,3-Dichlorobenzene	98	97	80 - 120	1	30		

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-178287

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-178287/3	Analysis Batch:	460-178287	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O77146.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/27/2013 0708	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-178287/4	Analysis Batch:	460-178287	Instrument ID:	CVOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	O77147.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/27/2013 0734	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Tetrachloroethene	104	99	80 - 120	4	30		
1,4-Dichlorobenzene	96	96	80 - 120	1	30		
1,1,2,2-Tetrachloroethane	88	87	79 - 122	2	30		
1,2-Dichlorobenzene	95	95	80 - 120	0	30		
1,1,2-Trichloroethane	96	91	73 - 118	5	30		
1,2,4-Trichlorobenzene	97	93	80 - 120	3	30		
Dibromochloromethane	101	101	68 - 120	0	30		
1,2-Dibromoethane	100	96	75 - 117	4	30		
1,4-Dioxane	91	135	69 - 131	39	30		*
1,2,3-Trichlorobenzene	98	96	75 - 121	2	30		
Dichlorodifluoromethane	96	97	52 - 144	1	30		
1,2-Dibromo-3-Chloropropane	90	94	74 - 118	4	30		
Bromochloromethane	91	90	74 - 125	2	30		
Bromodichloromethane	90	91	79 - 119	1	30		
Isopropylbenzene	100	95	65 - 129	5	30		
Methyl acetate	91	95	73 - 137	4	30		
Methylcyclohexane	96	99	78 - 118	2	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	102	70 - 130
Toluene-d8 (Surr)	108	107	70 - 130
Bromofluorobenzene	106	105	70 - 130
Dibromofluoromethane (Surr)	100	101	70 - 130

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-176664

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 460-176664/1-A	Analysis Batch:	460-177444	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-176664	Lab File ID:	M68562.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/21/2013 2305	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/17/2013 1120			Injection Volume:	5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Phenol	10	U	0.60	10
2-Chlorophenol	10	U	0.93	10
2-Methylphenol	10	U	1.4	10
4-Methylphenol	10	U	1.0	10
2-Nitrophenol	10	U	0.68	10
2,4-Dimethylphenol	10	U	1.2	10
2,4-Dichlorophenol	10	U	1.1	10
Bis(2-chloroethyl)ether	1.0	U	0.30	1.0
N-Nitrosodi-n-propylamine	1.0	U	0.27	1.0
Hexachloroethane	1.0	U	0.15	1.0
Nitrobenzene	1.0	U	0.34	1.0
Isophorone	10	U	1.3	10
Bis(2-chloroethoxy)methane	10	U	1.0	10
4-Chloro-3-methylphenol	10	U	1.1	10
Naphthalene	10	U	2.0	10
4-Chloroaniline	1.0	U	0.32	1.0
Hexachlorobutadiene	2.0	U	0.68	2.0
2-Methylnaphthalene	10	U	1.5	10
2,4,6-Trichlorophenol	10	U	1.4	10
Hexachlorocyclopentadiene	10	U	1.5	10
2,4,5-Trichlorophenol	10	U	2.2	10
2-Chloronaphthalene	10	U	1.3	10
2-Nitroaniline	20	U	2.0	20
2,6-Dinitrotoluene	2.0	U	0.27	2.0
Dimethyl phthalate	10	U	1.1	10
Acenaphthylene	10	U	1.8	10
3-Nitroaniline	20	U	2.9	20
Acenaphthene	10	U	1.1	10
4-Nitrophenol	30	U	2.0	30
2,4-Dinitrophenol	30	U	2.0	30
Dibenzofuran	10	U	1.5	10
Diethyl phthalate	10	U	1.4	10
Fluorene	10	U	1.7	10
Hexachlorobenzene	1.0	U	0.20	1.0
2,4-Dinitrotoluene	2.0	U	0.28	2.0
4-Chlorophenyl phenyl ether	10	U	1.5	10
4-Nitroaniline	20	U	2.9	20
4,6-Dinitro-2-methylphenol	30	U	3.0	30
Di-n-butyl phthalate	10	U	1.0	10
4-Bromophenyl phenyl ether	10	U	1.1	10
Fluoranthene	10	U	1.1	10
Anthracene	10	U	0.85	10
Carbazole	10	U	1.2	10
Phenanthrene	10	U	1.2	10
Pentachlorophenol	30	U	2.7	30

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-176664

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 460-176664/1-A	Analysis Batch:	460-177444	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-176664	Lab File ID:	M68562.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/21/2013 2305	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/17/2013 1120			Injection Volume:	5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Pyrene	10	U	1.1	10
Chrysene	10	U	1.4	10
Benzo[k]fluoranthene	1.0	U	0.14	1.0
Benzo[b]fluoranthene	1.0	U	0.21	1.0
Benzo[a]pyrene	1.0	U	0.14	1.0
Benzo[a]anthracene	1.0	U	0.18	1.0
Benzo[g,h,i]perylene	10	U	0.93	10
N-Nitrosodiphenylamine	10	U	1.0	10
Butyl benzyl phthalate	10	U	1.4	10
Diphenyl	10	U	1.8	10
Acetophenone	10	U	0.89	10
Bis(2-ethylhexyl) phthalate	10	U	0.81	10
Benzaldehyde	10	U	2.1	10
Di-n-octyl phthalate	10	U	0.88	10
Caprolactam	10	U	0.91	10
Indeno[1,2,3-cd]pyrene	1.0	U	0.11	1.0
Atrazine	10	U	1.0	10
Dibenz(a,h)anthracene	1.0	U	0.16	1.0
3,3'-Dichlorobenzidine	20	U	3.2	20
2,2'-oxybis[1-chloropropane]	10	U	1.3	10
1,2,4,5-Tetrachlorobenzene	10	U	1.8	10
2,3,4,6-Tetrachlorophenol	10	U	0.89	10

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	71	60 - 114
Phenol-d5	35	4 - 86
Terphenyl-d14	76	72 - 130
2,4,6-Tribromophenol	72	51 - 126
2-Fluorophenol	53	15 - 96
2-Fluorobiphenyl	75	50 - 120

Method Blank TICs- Batch: 460-176664

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample - Batch: 460-176664

Method: 8270C
Preparation: 3510C

Lab Sample ID:	LCS 460-176664/2-A	Analysis Batch:	460-177444	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-176664	Lab File ID:	M68561.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/21/2013 2242	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/17/2013 1120			Injection Volume:	5 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	80.0	34.7	43	12 - 44	
2-Chlorophenol	80.0	61.2	76	53 - 101	
2-Methylphenol	80.0	59.7	75	40 - 90	
4-Methylphenol	80.0	48.8	61	30 - 75	
2-Nitrophenol	80.0	67.1	84	65 - 107	
2,4-Dimethylphenol	80.0	63.6	79	55 - 100	
2,4-Dichlorophenol	80.0	65.2	82	64 - 107	
Bis(2-chloroethyl)ether	80.0	63.3	79	62 - 108	
N-Nitrosodi-n-propylamine	80.0	69.3	87	70 - 109	
Hexachloroethane	80.0	57.2	72	50 - 99	
Nitrobenzene	80.0	56.3	70	66 - 106	
Isophorone	80.0	61.0	76	68 - 108	
Bis(2-chloroethoxy)methane	80.0	65.5	82	69 - 108	
4-Chloro-3-methylphenol	80.0	62.3	78	57 - 106	
Naphthalene	80.0	65.1	81	63 - 101	
4-Chloroaniline	80.0	41.8	52	58 - 105	*
Hexachlorobutadiene	80.0	60.5	76	52 - 99	
2-Methylnaphthalene	80.0	64.8	81	66 - 102	
2,4,6-Trichlorophenol	80.0	59.9	75	67 - 111	
Hexachlorocyclopentadiene	80.0	57.1	71	40 - 105	
2,4,5-Trichlorophenol	80.0	55.2	69	67 - 114	
2-Chloronaphthalene	80.0	61.9	77	65 - 107	
2-Nitroaniline	80.0	67.5	84	73 - 116	
2,6-Dinitrotoluene	80.0	68.6	86	68 - 114	
Dimethyl phthalate	80.0	65.7	82	69 - 111	
Acenaphthylene	80.0	64.3	80	67 - 107	
3-Nitroaniline	80.0	59.4	74	59 - 108	
Acenaphthene	80.0	65.1	81	66 - 108	
4-Nitrophenol	80.0	31.9	40	10 - 44	
2,4-Dinitrophenol	80.0	71.0	89	19 - 113	
Dibenzofuran	80.0	63.5	79	68 - 105	
Diethyl phthalate	80.0	67.6	84	66 - 109	
Fluorene	80.0	62.8	79	68 - 105	
Hexachlorobenzene	80.0	61.2	77	65 - 107	
2,4-Dinitrotoluene	80.0	68.1	85	65 - 113	
4-Chlorophenyl phenyl ether	80.0	63.2	79	68 - 105	
4-Nitroaniline	80.0	65.1	81	49 - 119	
4,6-Dinitro-2-methylphenol	80.0	73.1	91	58 - 115	
Di-n-butyl phthalate	80.0	63.7	80	68 - 111	
4-Bromophenyl phenyl ether	80.0	56.3	70	66 - 110	
Fluoranthene	80.0	64.0	80	68 - 108	

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample - Batch: 460-176664

Method: 8270C
Preparation: 3510C

Lab Sample ID:	LCS 460-176664/2-A	Analysis Batch:	460-177444	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-176664	Lab File ID:	M68561.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	08/21/2013 2242	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/17/2013 1120			Injection Volume:	5 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Anthracene	80.0	62.0	78	68 - 108	
Carbazole	80.0	64.3	80	67 - 110	
Phenanthrene	80.0	62.3	78	68 - 110	
Pentachlorophenol	80.0	47.6	59	55 - 116	
Pyrene	80.0	61.3	77	61 - 110	
Chrysene	80.0	61.5	77	68 - 112	
Benzo[k]fluoranthene	80.0	70.6	88	66 - 114	
Benzo[b]fluoranthene	80.0	61.5	77	65 - 111	
Benzo[a]pyrene	80.0	64.4	80	58 - 101	
Benzo[a]anthracene	80.0	58.9	74	65 - 106	
Benzo[g,h,i]perylene	80.0	60.9	76	65 - 134	
N-Nitrosodiphenylamine	80.0	62.9	79	71 - 121	
Butyl benzyl phthalate	80.0	68.9	86	66 - 115	
Diphenyl	80.0	66.2	83	66 - 112	
Acetophenone	80.0	65.5	82	68 - 109	
Bis(2-ethylhexyl) phthalate	80.0	64.3	80	66 - 114	
Benzaldehyde	80.0	72.9	91	52 - 150	
Di-n-octyl phthalate	80.0	68.9	86	51 - 115	
Caprolactam	80.0	31.5	39	10 - 30	*
Indeno[1,2,3-cd]pyrene	80.0	57.0	71	68 - 121	
Atrazine	80.0	12.4	15	56 - 116	*
Dibenz(a,h)anthracene	80.0	61.3	77	67 - 124	
3,3'-Dichlorobenzidine	80.0	46.1	58	69 - 129	*
2,2'-oxybis[1-chloropropane]	80.0	64.6	81	68 - 107	
1,2,4,5-Tetrachlorobenzene	80.0	56.7	71	70 - 130	
2,3,4,6-Tetrachlorophenol	80.0	55.3	69	70 - 130	*

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	77	60 - 114
Phenol-d5	40	4 - 86
Terphenyl-d14	73	72 - 130
2,4,6-Tribromophenol	76	51 - 126
2-Fluorophenol	52	15 - 96
2-Fluorobiphenyl	77	50 - 120

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176664

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	460-61356-H-6-A MS	Analysis Batch:	460-178756	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-176664	Lab File ID:	M68866.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	230 mL
Analysis Date:	08/29/2013 1537			Final Weight/Volume:	2 mL
Prep Date:	08/17/2013 1120			Injection Volume:	5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-61356-G-6-C MSD	Analysis Batch:	460-178756	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-176664	Lab File ID:	M68867.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	230 mL
Analysis Date:	08/29/2013 1600			Final Weight/Volume:	2 mL
Prep Date:	08/17/2013 1120			Injection Volume:	5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenol	20	23	12 - 44	12	30		
2-Chlorophenol	71	78	53 - 101	10	30		
2-Methylphenol	55	60	40 - 90	8	30		
4-Methylphenol	42	47	30 - 75	12	30		
2-Nitrophenol	92	103	65 - 107	11	30		
2,4-Dimethylphenol	74	82	55 - 100	11	30		
2,4-Dichlorophenol	82	94	64 - 107	14	30		
Bis(2-chloroethyl)ether	86	99	62 - 108	14	30		
N-Nitrosodi-n-propylamine	99	111	70 - 109	11	30		*
Hexachloroethane	85	94	50 - 99	10	30		
Nitrobenzene	76	81	66 - 106	7	30		
Isophorone	87	98	68 - 108	12	30		
Bis(2-chloroethoxy)methane	89	101	69 - 108	12	30		
4-Chloro-3-methylphenol	79	90	57 - 106	13	30		
Naphthalene	85	93	63 - 101	9	30		
4-Chloroaniline	54	62	58 - 105	14	30	*	
Hexachlorobutadiene	87	95	52 - 99	9	30		
2-Methylnaphthalene	93	100	66 - 102	8	30		
2,4,6-Trichlorophenol	93	101	67 - 111	9	30		
Hexachlorocyclopentadiene	55	61	40 - 105	9	30		
2,4,5-Trichlorophenol	97	107	67 - 114	10	30		
2-Chloronaphthalene	88	96	65 - 107	9	30		
2-Nitroaniline	79	81	73 - 116	2	30		
2,6-Dinitrotoluene	94	105	68 - 114	12	30		
Dimethyl phthalate	87	100	69 - 111	13	30		
Acenaphthylene	84	93	67 - 107	10	30		
3-Nitroaniline	60	69	59 - 108	14	30		
Acenaphthene	89	99	66 - 108	11	30		
4-Nitrophenol	18	21	10 - 44	16	30	J	J
2,4-Dinitrophenol	112	125	19 - 113	11	30		*
Dibenzofuran	88	95	68 - 105	8	30		
Diethyl phthalate	89	103	66 - 109	14	30		

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176664

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	460-61356-H-6-A MS	Analysis Batch:	460-178756	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-176664	Lab File ID:	M68866.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	230 mL
Analysis Date:	08/29/2013 1537			Final Weight/Volume:	2 mL
Prep Date:	08/17/2013 1120			Injection Volume:	5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-61356-G-6-C MSD	Analysis Batch:	460-178756	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-176664	Lab File ID:	M68867.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	230 mL
Analysis Date:	08/29/2013 1600			Final Weight/Volume:	2 mL
Prep Date:	08/17/2013 1120			Injection Volume:	5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Fluorene	87	99	68 - 105	13	30		
Hexachlorobenzene	100	109	65 - 107	8	30		*
2,4-Dinitrotoluene	85	100	65 - 113	16	30		
4-Chlorophenyl phenyl ether	87	97	68 - 105	10	30		
4-Nitroaniline	68	79	49 - 119	15	30		
4,6-Dinitro-2-methylphenol	128	137	58 - 115	7	30	*	*
Di-n-butyl phthalate	96	108	68 - 111	12	30		
4-Bromophenyl phenyl ether	100	108	66 - 110	8	30		
Fluoranthene	89	100	68 - 108	12	30		
Anthracene	91	100	68 - 108	10	30		
Carbazole	94	104	67 - 110	10	30		
Phenanthrene	95	107	68 - 110	12	30		
Pentachlorophenol	103	110	55 - 116	7	30		
Pyrene	94	100	61 - 110	6	30		
Chrysene	95	103	68 - 112	8	30		
Benzo[k]fluoranthene	106	118	66 - 114	11	30		*
Benzo[b]fluoranthene	105	107	65 - 111	2	30		
Benzo[a]pyrene	100	113	58 - 101	13	30		*
Benzo[a]anthracene	90	99	65 - 106	10	30		
Benzo[g,h,i]perylene	113	124	65 - 134	10	30		
N-Nitrosodiphenylamine	105	113	71 - 121	8	30		
Butyl benzyl phthalate	93	105	66 - 115	12	30		
Diphenyl	89	97	66 - 112	9	30		
Acetophenone	90	101	68 - 109	12	30		
Bis(2-ethylhexyl) phthalate	95	105	66 - 114	10	30		
Benzaldehyde	118	135	52 - 150	13	30		
Di-n-octyl phthalate	105	115	51 - 115	10	30		
Caprolactam	10	12	10 - 30	19	30	J	J
Indeno[1,2,3-cd]pyrene	104	117	68 - 121	12	30		
Atrazine	92	101	56 - 116	9	30		
Dibenz(a,h)anthracene	111	122	67 - 124	9	30		
3,3'-Dichlorobenzidine	28	30	69 - 129	6	30	*	*

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176664

Method: 8270C
Preparation: 3510C

MS Lab Sample ID:	460-61356-H-6-A MS	Analysis Batch:	460-178756	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-176664	Lab File ID:	M68866.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	230 mL
Analysis Date:	08/29/2013 1537			Final Weight/Volume:	2 mL
Prep Date:	08/17/2013 1120			Injection Volume:	5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-61356-G-6-C MSD	Analysis Batch:	460-178756	Instrument ID:	CBNAMS6
Client Matrix:	Water	Prep Batch:	460-176664	Lab File ID:	M68867.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	230 mL
Analysis Date:	08/29/2013 1600			Final Weight/Volume:	2 mL
Prep Date:	08/17/2013 1120			Injection Volume:	5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,2'-oxybis[1-chloropropane]	92	99	68 - 107	7	30		
1,2,4,5-Tetrachlorobenzene	84	89	70 - 130	6	30		
2,3,4,6-Tetrachlorophenol	91	107	70 - 130	16	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Nitrobenzene-d5	88	93	60 - 114
Phenol-d5	17	19	4 - 86
Terphenyl-d14	90	99	72 - 130
2,4,6-Tribromophenol	94	108	51 - 126
2-Fluorophenol	28	31	15 - 96
2-Fluorobiphenyl	86	96	50 - 120

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-176844

Method: 8270C
Preparation: 3541

Lab Sample ID:	MB 460-176844/1-A	Analysis Batch:	460-176970	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-176844	Lab File ID:	I11906.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 0455	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Phenol	330	U	44	330
2-Chlorophenol	330	U	44	330
2-Methylphenol	330	U	56	330
4-Methylphenol	330	U	65	330
2-Nitrophenol	330	U	37	330
2,4-Dimethylphenol	330	U	82	330
2,4-Dichlorophenol	330	U	48	330
Bis(2-chloroethyl)ether	33	U	4.5	33
N-Nitrosodi-n-propylamine	33	U	5.5	33
Hexachloroethane	33	U	3.7	33
Nitrobenzene	33	U	4.7	33
Isophorone	330	U	40	330
Bis(2-chloroethoxy)methane	330	U	43	330
4-Chloro-3-methylphenol	330	U	50	330
Naphthalene	330	U	38	330
4-Chloroaniline	330	U	88	330
Hexachlorobutadiene	67	U	8.1	67
2-Methylnaphthalene	330	U	43	330
2,4,6-Trichlorophenol	330	U	39	330
Hexachlorocyclopentadiene	330	U	39	330
2,4,5-Trichlorophenol	330	U	43	330
2-Chloronaphthalene	330	U	37	330
2-Nitroaniline	670	U	140	670
2,6-Dinitrotoluene	67	U	10	67
Dimethyl phthalate	330	U	39	330
Acenaphthylene	330	U	39	330
3-Nitroaniline	670	U	120	670
Acenaphthene	330	U	48	330
4-Nitrophenol	1000	U	210	1000
2,4-Dinitrophenol	1000	U	190	1000
Dibenzofuran	330	U	39	330
Diethyl phthalate	330	U	39	330
Fluorene	330	U	42	330
Hexachlorobenzene	33	U	4.5	33
2,4-Dinitrotoluene	67	U	11	67
4-Chlorophenyl phenyl ether	330	U	39	330
4-Nitroaniline	670	U	100	670
4,6-Dinitro-2-methylphenol	1000	U	90	1000
Di-n-butyl phthalate	330	U	41	330
4-Bromophenyl phenyl ether	330	U	33	330
Fluoranthene	330	U	44	330
Anthracene	330	U	40	330
Carbazole	330	U	39	330
Phenanthrene	330	U	42	330
Pentachlorophenol	1000	U	99	1000

Method Blank - Batch: 460-176844

Method: 8270C
Preparation: 3541

Lab Sample ID:	MB 460-176844/1-A	Analysis Batch:	460-176970	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-176844	Lab File ID:	I11906.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 0455	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Pyrene	330	U	28	330
Chrysene	330	U	39	330
Benzo[k]fluoranthene	33	U	2.5	33
Benzo[b]fluoranthene	33	U	2.1	33
Benzo[a]pyrene	33	U	2.3	33
Benzo[a]anthracene	33	U	2.3	33
Benzo[g,h,i]perylene	330	U	25	330
N-Nitrosodiphenylamine	330	U	33	330
Butyl benzyl phthalate	330	U	30	330
Diphenyl	330	U	44	330
Acetophenone	330	U	51	330
Bis(2-ethylhexyl) phthalate	330	U	110	330
Benzaldehyde	330	U	39	330
Di-n-octyl phthalate	330	U	21	330
Caprolactam	330	U	76	330
Indeno[1,2,3-cd]pyrene	33	U	6.2	33
Atrazine	330	U	51	330
Dibenz(a,h)anthracene	33	U	4.2	33
3,3'-Dichlorobenzidine	670	U	120	670
2,2'-oxybis[1-chloropropane]	330	U	37	330
1,2,4,5-Tetrachlorobenzene	330	U	45	330
2,3,4,6-Tetrachlorophenol	330	U	43	330

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	81	38 - 105
Phenol-d5	88	41 - 118
Terphenyl-d14	92	16 - 151
2,4,6-Tribromophenol	80	10 - 120
2-Fluorophenol	82	37 - 125
2-Fluorobiphenyl	80	40 - 109

Method Blank TICs- Batch: 460-176844

Cas Number	Analyte	RT	Est. Result	Qual
	Aldol condensation product	2.32	3720	A J

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample - Batch: 460-176844

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 460-176844/2-A	Analysis Batch:	460-176970	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-176844	Lab File ID:	I11905.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 0427	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	6670	4920	74	54 - 115	
2-Chlorophenol	6670	5030	75	56 - 110	
2-Methylphenol	6670	5220	78	54 - 117	
4-Methylphenol	6670	5040	76	47 - 103	
2-Nitrophenol	6670	5050	76	55 - 101	
2,4-Dimethylphenol	6670	4790	72	56 - 112	
2,4-Dichlorophenol	6670	5170	77	58 - 115	
Bis(2-chloroethyl)ether	3330	2310	69	44 - 101	
N-Nitrosodi-n-propylamine	3330	2510	75	42 - 107	
Hexachloroethane	3330	2200	66	45 - 90	
Nitrobenzene	3330	2250	68	42 - 106	
Isophorone	3330	2330	70	48 - 97	
Bis(2-chloroethoxy)methane	3330	2420	73	51 - 100	
4-Chloro-3-methylphenol	6670	5010	75	55 - 117	
Naphthalene	3330	2300	69	53 - 94	
4-Chloroaniline	3330	752	23	10 - 96	
Hexachlorobutadiene	3330	2270	68	45 - 98	
2-Methylnaphthalene	3330	2390	72	51 - 98	
2,4,6-Trichlorophenol	6670	5120	77	53 - 118	
Hexachlorocyclopentadiene	3330	1510	45	24 - 98	
2,4,5-Trichlorophenol	6670	4980	75	50 - 115	
2-Chloronaphthalene	3330	2400	72	51 - 102	
2-Nitroaniline	3330	2500	75	51 - 109	
2,6-Dinitrotoluene	3330	2430	73	51 - 115	
Dimethyl phthalate	3330	2360	71	52 - 112	
Acenaphthylene	3330	2430	73	51 - 103	
3-Nitroaniline	3330	2130	64	32 - 104	
Acenaphthene	3330	2390	72	46 - 100	
4-Nitrophenol	6670	5280	79	45 - 114	
2,4-Dinitrophenol	6670	1900	29	10 - 129	
Dibenzofuran	3330	2380	71	52 - 106	
Diethyl phthalate	3330	2330	70	52 - 114	
Fluorene	3330	2410	72	51 - 108	
Hexachlorobenzene	3330	2450	74	43 - 104	
2,4-Dinitrotoluene	3330	2420	73	53 - 110	
4-Chlorophenyl phenyl ether	3330	2400	72	50 - 106	
4-Nitroaniline	3330	2210	66	45 - 106	
4,6-Dinitro-2-methylphenol	6670	3170	48	10 - 110	
Di-n-butyl phthalate	3330	2280	68	50 - 108	
4-Bromophenyl phenyl ether	3330	2520	76	44 - 102	
Fluoranthene	3330	2220	66	49 - 108	

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample - Batch: 460-176844

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 460-176844/2-A	Analysis Batch:	460-176970	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-176844	Lab File ID:	I11905.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 0427	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Anthracene	3330	2400	72	50 - 107	
Carbazole	3330	2340	70	49 - 104	
Phenanthrene	3330	2450	73	48 - 108	
Pentachlorophenol	6670	5210	78	19 - 113	
Pyrene	3330	2780	83	49 - 116	
Chrysene	3330	2360	71	45 - 114	
Benzo[k]fluoranthene	3330	2470	74	35 - 115	
Benzo[b]fluoranthene	3330	2280	68	33 - 96	
Benzo[a]pyrene	3330	2410	72	36 - 89	
Benzo[a]anthracene	3330	2320	70	46 - 112	
Benzo[g,h,i]perylene	3330	2180	65	43 - 106	
N-Nitrosodiphenylamine	3330	2620	79	49 - 106	
Butyl benzyl phthalate	3330	2530	76	49 - 117	
Diphenyl	3330	2520	75	50 - 105	
Acetophenone	3330	2650	80	40 - 95	
Bis(2-ethylhexyl) phthalate	3330	2250	67	49 - 119	
Benzaldehyde	3330	1680	51	10 - 160	
Di-n-octyl phthalate	3330	2440	73	40 - 106	
Caprolactam	3330	2880	87	10 - 127	
Indeno[1,2,3-cd]pyrene	3330	2320	70	43 - 109	
Atrazine	3330	2140	64	30 - 100	
Dibenz(a,h)anthracene	3330	2220	67	43 - 107	
3,3'-Dichlorobenzidine	3330	1950	58	24 - 105	
2,2'-oxybis[1-chloropropane]	3330	2330	70	45 - 102	
1,2,4,5-Tetrachlorobenzene	3330	2310	69	70 - 130	*
2,3,4,6-Tetrachlorophenol	3330	2370	71	70 - 130	

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	72	38 - 105
Phenol-d5	75	41 - 118
Terphenyl-d14	80	16 - 151
2,4,6-Tribromophenol	76	10 - 120
2-Fluorophenol	70	37 - 125
2-Fluorobiphenyl	72	40 - 109

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176844

Method: 8270C
Preparation: 3541

MS Lab Sample ID:	460-61501-A-6-B MS	Analysis Batch:	460-176970	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-176844	Lab File ID:	I11909.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 0617			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-61501-A-6-C MSD	Analysis Batch:	460-176970	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-176844	Lab File ID:	I11910.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.04 g
Analysis Date:	08/20/2013 0645			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenol	68	74	54 - 115	8	30		
2-Chlorophenol	66	73	56 - 110	9	30		
2-Methylphenol	73	78	54 - 117	7	30		
4-Methylphenol	70	76	47 - 103	8	30		
2-Nitrophenol	57	62	55 - 101	7	30		
2,4-Dimethylphenol	69	72	56 - 112	4	30		
2,4-Dichlorophenol	67	71	58 - 115	5	30		
Bis(2-chloroethyl)ether	58	61	44 - 101	5	30		
N-Nitrosodi-n-propylamine	67	73	42 - 107	8	30		
Hexachloroethane	46	51	45 - 90	9	30		
Nitrobenzene	58	62	42 - 106	6	30		
Isophorone	64	68	48 - 97	6	30		
Bis(2-chloroethoxy)methane	65	68	51 - 100	5	30		
4-Chloro-3-methylphenol	72	76	55 - 117	5	30		
Naphthalene	59	62	53 - 94	6	30		
4-Chloroaniline	59	62	10 - 96	4	30		
Hexachlorobutadiene	54	59	45 - 98	8	30		
2-Methylnaphthalene	63	67	51 - 98	6	30		
2,4,6-Trichlorophenol	54	57	53 - 118	5	30		
Hexachlorocyclopentadiene	34	36	24 - 98	4	30		
2,4,5-Trichlorophenol	61	65	50 - 115	7	30		
2-Chloronaphthalene	65	70	51 - 102	7	30		
2-Nitroaniline	72	76	51 - 109	6	30		
2,6-Dinitrotoluene	71	77	51 - 115	8	30		
Dimethyl phthalate	70	76	52 - 112	7	30		
Acenaphthylene	67	72	51 - 103	7	30		
3-Nitroaniline	65	69	32 - 104	6	30		
Acenaphthene	66	72	46 - 100	9	30		
4-Nitrophenol	70	75	45 - 114	7	30		
2,4-Dinitrophenol	11	12	10 - 129	1	30	J	J
Dibenzofuran	68	72	52 - 106	5	30		
Diethyl phthalate	71	76	52 - 114	7	30		

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176844

Method: 8270C
Preparation: 3541

MS Lab Sample ID:	460-61501-A-6-B MS	Analysis Batch:	460-176970	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-176844	Lab File ID:	I11909.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 0617			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-61501-A-6-C MSD	Analysis Batch:	460-176970	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-176844	Lab File ID:	I11910.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.04 g
Analysis Date:	08/20/2013 0645			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Fluorene	69	75	51 - 108	7	30		
Hexachlorobenzene	74	78	43 - 104	5	30		
2,4-Dinitrotoluene	72	77	53 - 110	7	30		
4-Chlorophenyl phenyl ether	69	74	50 - 106	6	30		
4-Nitroaniline	50	53	45 - 106	4	30		
4,6-Dinitro-2-methylphenol	17	16	10 - 110	6	30		
Di-n-butyl phthalate	70	74	50 - 108	5	30		
4-Bromophenyl phenyl ether	73	77	44 - 102	6	30		
Fluoranthene	68	72	49 - 108	6	30		
Anthracene	71	76	50 - 107	6	30		
Carbazole	69	75	49 - 104	7	30		
Phenanthrene	72	76	48 - 108	6	30		
Pentachlorophenol	45	44	19 - 113	2	30		
Pyrene	83	86	49 - 116	4	30		
Chrysene	71	77	45 - 114	8	30		
Benzo[k]fluoranthene	75	75	35 - 115	0	30		
Benzo[b]fluoranthene	66	76	33 - 96	14	30		
Benzo[a]pyrene	73	77	36 - 89	6	30		
Benzo[a]anthracene	70	75	46 - 112	7	30		
Benzo[g,h,i]perylene	65	69	43 - 106	5	30		
N-Nitrosodiphenylamine	77	82	49 - 106	6	30		
Butyl benzyl phthalate	74	80	49 - 117	7	30		
Diphenyl	69	74	50 - 105	7	30		
Acetophenone	70	76	40 - 95	8	30		
Bis(2-ethylhexyl) phthalate	66	71	49 - 119	7	30		
Benzaldehyde	12	13	10 - 160	8	30		
Di-n-octyl phthalate	69	74	40 - 106	6	30		
Caprolactam	90	96	10 - 127	6	30		
Indeno[1,2,3-cd]pyrene	63	71	43 - 109	12	30		
Atrazine	61	65	30 - 100	5	30		
Dibenz(a,h)anthracene	67	71	43 - 107	5	30		
3,3'-Dichlorobenzidine	64	69	24 - 105	7	30		

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176844

Method: 8270C
Preparation: 3541

MS Lab Sample ID:	460-61501-A-6-B MS	Analysis Batch:	460-176970	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-176844	Lab File ID:	I11909.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 0617			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-61501-A-6-C MSD	Analysis Batch:	460-176970	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-176844	Lab File ID:	I11910.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.04 g
Analysis Date:	08/20/2013 0645			Final Weight/Volume:	1 mL
Prep Date:	08/19/2013 1036			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,2'-oxybis[1-chloropropane]	57	62	45 - 102	7	30		
1,2,4,5-Tetrachlorobenzene	61	66	70 - 130	7	30	*	*
2,3,4,6-Tetrachlorophenol	46	48	70 - 130	6	30	*	*

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Nitrobenzene-d5	67	72	38 - 105
Phenol-d5	70	76	41 - 118
Terphenyl-d14	80	85	16 - 151
2,4,6-Tribromophenol	58	62	10 - 120
2-Fluorophenol	64	70	37 - 125
2-Fluorobiphenyl	67	71	40 - 109

Method Blank - Batch: 460-177117

Method: 8270C
Preparation: 3541

Lab Sample ID:	MB 460-177117/1-A	Analysis Batch:	460-177272	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-177117	Lab File ID:	l11957.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/21/2013 1131	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Phenol	330	U	44	330
2-Chlorophenol	330	U	44	330
2-Methylphenol	330	U	56	330
4-Methylphenol	330	U	65	330
2-Nitrophenol	330	U	37	330
2,4-Dimethylphenol	330	U	82	330
2,4-Dichlorophenol	330	U	48	330
Bis(2-chloroethyl)ether	33	U	4.5	33
N-Nitrosodi-n-propylamine	33	U	5.5	33
Hexachloroethane	33	U	3.7	33
Nitrobenzene	33	U	4.7	33
Isophorone	330	U	40	330
Bis(2-chloroethoxy)methane	330	U	43	330
4-Chloro-3-methylphenol	330	U	50	330
Naphthalene	330	U	38	330
4-Chloroaniline	330	U	88	330
Hexachlorobutadiene	67	U	8.1	67
2-Methylnaphthalene	330	U	43	330
2,4,6-Trichlorophenol	330	U	39	330
Hexachlorocyclopentadiene	330	U	39	330
2,4,5-Trichlorophenol	330	U	43	330
2-Chloronaphthalene	330	U	37	330
2-Nitroaniline	670	U	140	670
2,6-Dinitrotoluene	67	U	10	67
Dimethyl phthalate	330	U	39	330
Acenaphthylene	330	U	39	330
3-Nitroaniline	670	U	120	670
Acenaphthene	330	U	48	330
4-Nitrophenol	1000	U	210	1000
2,4-Dinitrophenol	1000	U	190	1000
Dibenzofuran	330	U	39	330
Diethyl phthalate	330	U	39	330
Fluorene	330	U	42	330
Hexachlorobenzene	33	U	4.5	33
2,4-Dinitrotoluene	67	U	11	67
4-Chlorophenyl phenyl ether	330	U	39	330
4-Nitroaniline	670	U	100	670
4,6-Dinitro-2-methylphenol	1000	U	90	1000
Di-n-butyl phthalate	330	U	41	330
4-Bromophenyl phenyl ether	330	U	33	330
Fluoranthene	330	U	44	330
Anthracene	330	U	40	330
Carbazole	330	U	39	330
Phenanthrene	330	U	42	330
Pentachlorophenol	1000	U	99	1000

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-177117

Method: 8270C
Preparation: 3541

Lab Sample ID:	MB 460-177117/1-A	Analysis Batch:	460-177272	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-177117	Lab File ID:	I11957.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/21/2013 1131	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Pyrene	330	U	28	330
Chrysene	330	U	39	330
Benzo[k]fluoranthene	33	U	2.5	33
Benzo[b]fluoranthene	33	U	2.1	33
Benzo[a]pyrene	33	U	2.3	33
Benzo[a]anthracene	33	U	2.3	33
Benzo[g,h,i]perylene	330	U	25	330
N-Nitrosodiphenylamine	330	U	33	330
Butyl benzyl phthalate	330	U	30	330
Diphenyl	330	U	44	330
Acetophenone	330	U	51	330
Bis(2-ethylhexyl) phthalate	330	U	110	330
Benzaldehyde	330	U	39	330
Di-n-octyl phthalate	330	U	21	330
Caprolactam	330	U	76	330
Indeno[1,2,3-cd]pyrene	33	U	6.2	33
Atrazine	330	U	51	330
Dibenz(a,h)anthracene	33	U	4.2	33
3,3'-Dichlorobenzidine	670	U	120	670
2,2'-oxybis[1-chloropropane]	330	U	37	330
1,2,4,5-Tetrachlorobenzene	330	U	45	330
2,3,4,6-Tetrachlorophenol	330	U	43	330

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	80	38 - 105
Phenol-d5	85	41 - 118
Terphenyl-d14	86	16 - 151
2,4,6-Tribromophenol	89	10 - 120
2-Fluorophenol	80	37 - 125
2-Fluorobiphenyl	77	40 - 109

Method Blank TICs- Batch: 460-177117

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample - Batch: 460-177117

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 460-177117/2-A	Analysis Batch:	460-177272	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-177117	Lab File ID:	I11956.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/21/2013 1102	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	6670	5420	81	54 - 115	
2-Chlorophenol	6670	5410	81	56 - 110	
2-Methylphenol	6670	5780	87	54 - 117	
4-Methylphenol	6670	5650	85	47 - 103	
2-Nitrophenol	6670	5260	79	55 - 101	
2,4-Dimethylphenol	6670	5390	81	56 - 112	
2,4-Dichlorophenol	6670	5580	84	58 - 115	
Bis(2-chloroethyl)ether	3330	2410	72	44 - 101	
N-Nitrosodi-n-propylamine	3330	2700	81	42 - 107	
Hexachloroethane	3330	2320	69	45 - 90	
Nitrobenzene	3330	2360	71	42 - 106	
Isophorone	3330	2440	73	48 - 97	
Bis(2-chloroethoxy)methane	3330	2490	75	51 - 100	
4-Chloro-3-methylphenol	6670	5680	85	55 - 117	
Naphthalene	3330	2390	72	53 - 94	
4-Chloroaniline	3330	2050	62	10 - 96	
Hexachlorobutadiene	3330	2360	71	45 - 98	
2-Methylnaphthalene	3330	2490	75	51 - 98	
2,4,6-Trichlorophenol	6670	5380	81	53 - 118	
Hexachlorocyclopentadiene	3330	1570	47	24 - 98	
2,4,5-Trichlorophenol	6670	5500	82	50 - 115	
2-Chloronaphthalene	3330	2480	74	51 - 102	
2-Nitroaniline	3330	2700	81	51 - 109	
2,6-Dinitrotoluene	3330	2640	79	51 - 115	
Dimethyl phthalate	3330	2600	78	52 - 112	
Acenaphthylene	3330	2570	77	51 - 103	
3-Nitroaniline	3330	2390	72	32 - 104	
Acenaphthene	3330	2560	77	46 - 100	
4-Nitrophenol	6670	6050	91	45 - 114	
2,4-Dinitrophenol	6670	2610	39	10 - 129	
Dibenzofuran	3330	2540	76	52 - 106	
Diethyl phthalate	3330	2680	80	52 - 114	
Fluorene	3330	2580	78	51 - 108	
Hexachlorobenzene	3330	2610	78	43 - 104	
2,4-Dinitrotoluene	3330	2770	83	53 - 110	
4-Chlorophenyl phenyl ether	3330	2600	78	50 - 106	
4-Nitroaniline	3330	2520	76	45 - 106	
4,6-Dinitro-2-methylphenol	6670	3870	58	10 - 110	
Di-n-butyl phthalate	3330	2560	77	50 - 108	
4-Bromophenyl phenyl ether	3330	2560	77	44 - 102	
Fluoranthene	3330	2540	76	49 - 108	

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample - Batch: 460-177117

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 460-177117/2-A	Analysis Batch:	460-177272	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-177117	Lab File ID:	I11956.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/21/2013 1102	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Anthracene	3330	2590	78	50 - 107	
Carbazole	3330	2590	78	49 - 104	
Phenanthrene	3330	2590	78	48 - 108	
Pentachlorophenol	6670	5940	89	19 - 113	
Pyrene	3330	2880	86	49 - 116	
Chrysene	3330	2550	77	45 - 114	
Benzo[k]fluoranthene	3330	2590	78	35 - 115	
Benzo[b]fluoranthene	3330	2510	75	33 - 96	
Benzo[a]pyrene	3330	2600	78	36 - 89	
Benzo[a]anthracene	3330	2570	77	46 - 112	
Benzo[g,h,i]perylene	3330	2570	77	43 - 106	
N-Nitrosodiphenylamine	3330	2760	83	49 - 106	
Butyl benzyl phthalate	3330	2710	81	49 - 117	
Diphenyl	3330	2610	78	50 - 105	
Acetophenone	3330	2790	84	40 - 95	
Bis(2-ethylhexyl) phthalate	3330	2460	74	49 - 119	
Benzaldehyde	3330	1030	31	10 - 160	
Di-n-octyl phthalate	3330	2590	78	40 - 106	
Caprolactam	3330	3450	103	10 - 127	
Indeno[1,2,3-cd]pyrene	3330	3040	91	43 - 109	
Atrazine	3330	2200	66	30 - 100	
Dibenz(a,h)anthracene	3330	2610	78	43 - 107	
3,3'-Dichlorobenzidine	3330	2260	68	24 - 105	
2,2'-oxybis[1-chloropropane]	3330	2420	73	45 - 102	
1,2,4,5-Tetrachlorobenzene	3330	2330	70	70 - 130	
2,3,4,6-Tetrachlorophenol	3330	2680	81	70 - 130	

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	76	38 - 105
Phenol-d5	82	41 - 118
Terphenyl-d14	82	16 - 151
2,4,6-Tribromophenol	86	10 - 120
2-Fluorophenol	76	37 - 125
2-Fluorobiphenyl	76	40 - 109

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-177117

Method: 8270C
Preparation: 3541

MS Lab Sample ID:	460-61525-E-4-C MS	Analysis Batch:	460-177272	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-177117	Lab File ID:	I11958.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/21/2013 1158			Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-61525-E-4-D MSD	Analysis Batch:	460-177272	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-177117	Lab File ID:	I11959.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/21/2013 1226			Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenol	84	80	54 - 115	5	30		
2-Chlorophenol	85	80	56 - 110	5	30		
2-Methylphenol	90	85	54 - 117	6	30		
4-Methylphenol	88	83	47 - 103	6	30		
2-Nitrophenol	81	78	55 - 101	3	30		
2,4-Dimethylphenol	82	80	56 - 112	3	30		
2,4-Dichlorophenol	88	82	58 - 115	7	30		
Bis(2-chloroethyl)ether	69	68	44 - 101	1	30		
N-Nitrosodi-n-propylamine	83	80	42 - 107	4	30		
Hexachloroethane	58	57	45 - 90	2	30		
Nitrobenzene	67	66	42 - 106	2	30		
Isophorone	77	74	48 - 97	5	30		
Bis(2-chloroethoxy)methane	78	74	51 - 100	5	30		
4-Chloro-3-methylphenol	89	82	55 - 117	8	30		
Naphthalene	71	68	53 - 94	3	30		
4-Chloroaniline	68	63	10 - 96	7	30		
Hexachlorobutadiene	65	65	45 - 98	1	30		
2-Methylnaphthalene	78	74	51 - 98	4	30		
2,4,6-Trichlorophenol	83	79	53 - 118	5	30		
Hexachlorocyclopentadiene	48	49	24 - 98	1	30		
2,4,5-Trichlorophenol	85	81	50 - 115	4	30		
2-Chloronaphthalene	77	76	51 - 102	1	30		
2-Nitroaniline	84	79	51 - 109	6	30		
2,6-Dinitrotoluene	84	80	51 - 115	6	30		
Dimethyl phthalate	83	78	52 - 112	6	30		
Acenaphthylene	81	78	51 - 103	4	30		
3-Nitroaniline	81	75	32 - 104	7	30		
Acenaphthene	80	77	46 - 100	4	30		
4-Nitrophenol	96	88	45 - 114	8	30		
2,4-Dinitrophenol	10	9	10 - 129	12	30	J	J *
Dibenzofuran	80	77	52 - 106	4	30		
Diethyl phthalate	85	79	52 - 114	7	30		

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-177117

Method: 8270C
Preparation: 3541

MS Lab Sample ID:	460-61525-E-4-C MS	Analysis Batch:	460-177272	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-177117	Lab File ID:	I11958.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/21/2013 1158			Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-61525-E-4-D MSD	Analysis Batch:	460-177272	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-177117	Lab File ID:	I11959.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/21/2013 1226			Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Fluorene	83	79	51 - 108	5	30		
Hexachlorobenzene	83	81	43 - 104	3	30		
2,4-Dinitrotoluene	88	80	53 - 110	9	30		
4-Chlorophenyl phenyl ether	83	78	50 - 106	6	30		
4-Nitroaniline	74	68	45 - 106	7	30		
4,6-Dinitro-2-methylphenol	15	9	10 - 110	52	30		J *
Di-n-butyl phthalate	88	84	50 - 108	4	30		
4-Bromophenyl phenyl ether	83	81	44 - 102	2	30		
Fluoranthene	81	79	49 - 108	1	30		
Anthracene	82	80	50 - 107	2	30		
Carbazole	82	80	49 - 104	2	30		
Phenanthrene	84	82	48 - 108	3	30		
Pentachlorophenol	68	54	19 - 113	23	30		
Pyrene	87	84	49 - 116	3	30		
Chrysene	82	78	45 - 114	5	30		
Benzo[k]fluoranthene	85	83	35 - 115	2	30		
Benzo[b]fluoranthene	76	77	33 - 96	1	30		
Benzo[a]pyrene	82	81	36 - 89	2	30		
Benzo[a]anthracene	79	77	46 - 112	3	30		
Benzo[g,h,i]perylene	79	77	43 - 106	2	30		
N-Nitrosodiphenylamine	89	85	49 - 106	4	30		
Butyl benzyl phthalate	84	81	49 - 117	5	30		
Diphenyl	82	81	50 - 105	2	30		
Acetophenone	87	83	40 - 95	4	30		
Bis(2-ethylhexyl) phthalate	79	78	49 - 119	2	30		
Benzaldehyde	49	47	10 - 160	4	30		
Di-n-octyl phthalate	84	81	40 - 106	4	30		
Caprolactam	109	99	10 - 127	10	30		
Indeno[1,2,3-cd]pyrene	83	76	43 - 109	9	30		
Atrazine	70	68	30 - 100	2	30		
Dibenz(a,h)anthracene	80	78	43 - 107	3	30		
3,3'-Dichlorobenzidine	74	74	24 - 105	0	30		

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-177117

Method: 8270C
Preparation: 3541

MS Lab Sample ID:	460-61525-E-4-C MS	Analysis Batch:	460-177272	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-177117	Lab File ID:	I11958.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/21/2013 1158			Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-61525-E-4-D MSD	Analysis Batch:	460-177272	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-177117	Lab File ID:	I11959.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/21/2013 1226			Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 1224			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,2'-oxybis[1-chloropropane]	70	67	45 - 102	4	30		
1,2,4,5-Tetrachlorobenzene	71	71	70 - 130	0	30		
2,3,4,6-Tetrachlorophenol	83	77	70 - 130	7	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Nitrobenzene-d5	78	75	38 - 105
Phenol-d5	84	81	41 - 118
Terphenyl-d14	85	81	16 - 151
2,4,6-Tribromophenol	89	83	10 - 120
2-Fluorophenol	78	76	37 - 125
2-Fluorobiphenyl	79	77	40 - 109

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-176770

Method: 8081A
Preparation: 3546

Lab Sample ID:	MB 460-176770/1-A	Analysis Batch:	460-176820	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-176770	Lab File ID:	XR144778.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/19/2013 1005	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/19/2013 0519			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	6.7	U	1.4	6.7
alpha-BHC	6.7	U	1.5	6.7
beta-BHC	6.7	U	1.6	6.7
delta-BHC	6.7	U	1.2	6.7
gamma-BHC (Lindane)	6.7	U	1.2	6.7
Chlordane	67	U	19	67
4,4'-DDD	6.7	U	1.3	6.7
4,4'-DDE	6.7	U	1.3	6.7
4,4'-DDT	6.7	U	1.6	6.7
Dieldrin	6.7	U	1.2	6.7
Endosulfan I	6.7	U	1.5	6.7
Endosulfan II	6.7	U	1.3	6.7
Endosulfan sulfate	6.7	U	1.3	6.7
Endrin	6.7	U	1.6	6.7
Endrin aldehyde	6.7	U	1.0	6.7
Endrin ketone	6.7	U	1.3	6.7
Heptachlor	6.7	U	1.6	6.7
Heptachlor epoxide	6.7	U	1.5	6.7
Methoxychlor	6.7	U	1.6	6.7
Toxaphene	67	U	18	67

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	123	37 - 150
DCB Decachlorobiphenyl	127	60 - 150

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	117	37 - 150
DCB Decachlorobiphenyl	123	60 - 150

Lab Control Sample - Batch: 460-176770 **Method: 8081A**
Preparation: 3546

Lab Sample ID:	LCS 460-176770/2-A	Analysis Batch:	460-176820	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-176770	Lab File ID:	XR144779.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/19/2013 1025	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/19/2013 0519			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	133	177	133	69 - 138	
alpha-BHC	133	177	132	68 - 133	
beta-BHC	133	173	130	67 - 137	
delta-BHC	133	176	132	65 - 141	
gamma-BHC (Lindane)	133	174	130	68 - 134	
4,4'-DDD	133	190	142	69 - 150	
4,4'-DDE	133	178	134	70 - 147	
4,4'-DDT	133	173	130	63 - 146	
Dieldrin	133	164	123	63 - 129	
Endosulfan I	133	175	131	69 - 140	
Endosulfan II	133	170	128	66 - 136	
Endosulfan sulfate	133	166	124	65 - 137	
Endrin	133	161	121	67 - 142	
Endrin aldehyde	133	174	130	67 - 134	
Endrin ketone	133	157	118	68 - 146	
Heptachlor	133	163	122	67 - 136	
Heptachlor epoxide	133	173	130	68 - 136	
Methoxychlor	133	144	108	52 - 150	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	145	37 - 150
DCB Decachlorobiphenyl	148	60 - 150

Lab Control Sample - Batch: 460-176770 **Method: 8081A**
Preparation: 3546

Lab Sample ID:	LCS 460-176770/2-A	Analysis Batch:	460-176820	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-176770	Lab File ID:	XR144779.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/19/2013 1025	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/19/2013 0519			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	133	176	132	69 - 138	
alpha-BHC	133	167	125	68 - 133	
beta-BHC	133	168	126	67 - 137	
delta-BHC	133	167	125	65 - 141	
gamma-BHC (Lindane)	133	170	127	68 - 134	
4,4'-DDD	133	175	131	69 - 150	

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample - Batch: 460-176770

Method: 8081A
Preparation: 3546

Lab Sample ID:	LCS 460-176770/2-A	Analysis Batch:	460-176820	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-176770	Lab File ID:	XR144779.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/19/2013 1025	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/19/2013 0519			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDE	133	173	130	70 - 147	
4,4'-DDT	133	171	129	63 - 146	
Dieldrin	133	159	119	63 - 129	
Endosulfan I	133	171	128	69 - 140	
Endosulfan II	133	167	126	66 - 136	
Endosulfan sulfate	133	161	121	65 - 137	
Endrin	133	148	111	67 - 142	
Endrin aldehyde	133	174	130	67 - 134	
Endrin ketone	133	156	117	68 - 146	
Heptachlor	133	161	121	67 - 136	
Heptachlor epoxide	133	157	118	68 - 136	
Methoxychlor	133	135	101	52 - 150	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	143	37 - 150
DCB Decachlorobiphenyl	142	60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176770

Method: 8081A
Preparation: 3546

MS Lab Sample ID:	460-61364-E-2-E MS	Analysis Batch:	460-176820	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-176770	Lab File ID:	XR144780.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/19/2013 1041			Final Weight/Volume:	10 mL
Prep Date:	08/19/2013 0519			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-61364-E-2-F MSD	Analysis Batch:	460-176820	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-176770	Lab File ID:	XR144781.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.05 g
Analysis Date:	08/19/2013 1056			Final Weight/Volume:	10 mL
Prep Date:	08/19/2013 0519			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aldrin	109	117	69 - 138	7	30		
alpha-BHC	108	115	68 - 133	7	30		
beta-BHC	102	109	67 - 137	6	30		
delta-BHC	104	111	65 - 141	6	30		
gamma-BHC (Lindane)	105	113	68 - 134	7	30		
4,4'-DDD	117	127	69 - 150	8	30		
4,4'-DDE	109	117	70 - 147	7	30		
4,4'-DDT	103	111	63 - 146	8	30		
Dieldrin	100	107	63 - 129	7	30		
Endosulfan I	108	115	69 - 140	6	30		
Endosulfan II	105	112	66 - 136	7	30		
Endosulfan sulfate	100	111	65 - 137	10	30		
Endrin	101	109	67 - 142	8	30		
Endrin aldehyde	106	115	67 - 134	8	30		
Endrin ketone	97	106	68 - 146	9	30		
Heptachlor	98	105	67 - 136	6	30		
Heptachlor epoxide	107	110	68 - 136	3	30		
Methoxychlor	88	98	52 - 150	11	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	113	131	37 - 150
DCB Decachlorobiphenyl	114	132	60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176770

Method: 8081A
Preparation: 3546

MS Lab Sample ID:	460-61364-E-2-E MS	Analysis Batch:	460-176820	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-176770	Lab File ID:	XR144780.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/19/2013 1041			Final Weight/Volume:	10 mL
Prep Date:	08/19/2013 0519			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-61364-E-2-F MSD	Analysis Batch:	460-176820	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-176770	Lab File ID:	XR144781.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.05 g
Analysis Date:	08/19/2013 1056			Final Weight/Volume:	10 mL
Prep Date:	08/19/2013 0519			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aldrin	104	110	69 - 138	5	30		
alpha-BHC	100	106	68 - 133	5	30		
beta-BHC	102	108	67 - 137	6	30		
delta-BHC	102	110	65 - 141	7	30		
gamma-BHC (Lindane)	101	108	68 - 134	6	30		
4,4'-DDD	101	107	69 - 150	6	30		
4,4'-DDE	103	109	70 - 147	6	30		
4,4'-DDT	95	100	63 - 146	5	30		
Dieldrin	89	93	63 - 129	4	30		
Endosulfan I	101	106	69 - 140	5	30		
Endosulfan II	96	103	66 - 136	7	30		
Endosulfan sulfate	97	103	65 - 137	6	30		
Endrin	90	96	67 - 142	6	30		
Endrin aldehyde	104	109	67 - 134	5	30		
Endrin ketone	95	101	68 - 146	5	30		
Heptachlor	95	101	67 - 136	6	30		
Heptachlor epoxide	96	103	68 - 136	7	30		
Methoxychlor	80	85	52 - 150	5	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	110	129	37 - 150
DCB Decachlorobiphenyl	111	129	60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-176986

Method: 8081A
Preparation: 3546

Lab Sample ID:	MB 460-176986/1-A	Analysis Batch:	460-177183	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-176986	Lab File ID:	XR144821.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 1826	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/20/2013 0519			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	6.7	U	1.4	6.7
alpha-BHC	6.7	U	1.5	6.7
beta-BHC	6.7	U	1.6	6.7
delta-BHC	6.7	U	1.2	6.7
gamma-BHC (Lindane)	6.7	U	1.2	6.7
Chlordane	67	U	19	67
4,4'-DDD	6.7	U	1.3	6.7
4,4'-DDE	6.7	U	1.3	6.7
4,4'-DDT	6.7	U	1.6	6.7
Dieldrin	6.7	U	1.2	6.7
Endosulfan I	6.7	U	1.5	6.7
Endosulfan II	6.7	U	1.3	6.7
Endosulfan sulfate	6.7	U	1.3	6.7
Endrin	6.7	U	1.6	6.7
Endrin aldehyde	6.7	U	1.0	6.7
Endrin ketone	6.7	U	1.3	6.7
Heptachlor	6.7	U	1.6	6.7
Heptachlor epoxide	6.7	U	1.5	6.7
Methoxychlor	6.7	U	1.6	6.7
Toxaphene	67	U	18	67

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	149		37 - 150
DCB Decachlorobiphenyl	197	*	60 - 150

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	150		37 - 150
DCB Decachlorobiphenyl	159	*	60 - 150

Lab Control Sample - Batch: 460-176986 **Method: 8081A**
Preparation: 3546

Lab Sample ID:	LCS 460-176986/2-A	Analysis Batch:	460-177183	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-176986	Lab File ID:	XR144822.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 1842	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/20/2013 0519			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	133	138	104	69 - 138	
alpha-BHC	133	142	107	68 - 133	
beta-BHC	133	136	102	67 - 137	
delta-BHC	133	142	106	65 - 141	
gamma-BHC (Lindane)	133	139	104	68 - 134	
4,4'-DDD	133	147	110	69 - 150	
4,4'-DDE	133	142	106	70 - 147	
4,4'-DDT	133	141	105	63 - 146	
Dieldrin	133	126	95	63 - 129	
Endosulfan I	133	135	101	69 - 140	
Endosulfan II	133	134	101	66 - 136	
Endosulfan sulfate	133	133	99	65 - 137	
Endrin	133	136	102	67 - 142	
Endrin aldehyde	133	136	102	67 - 134	
Endrin ketone	133	131	98	68 - 146	
Heptachlor	133	135	101	67 - 136	
Heptachlor epoxide	133	132	99	68 - 136	
Methoxychlor	133	134	101	52 - 150	

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	125		37 - 150
DCB Decachlorobiphenyl	160	*	60 - 150

Lab Control Sample - Batch: 460-176986 **Method: 8081A**
Preparation: 3546

Lab Sample ID:	LCS 460-176986/2-A	Analysis Batch:	460-177183	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-176986	Lab File ID:	XR144822.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 1842	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/20/2013 0519			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	133	135	101	69 - 138	
alpha-BHC	133	130	98	68 - 133	
beta-BHC	133	131	98	67 - 137	
delta-BHC	133	135	101	65 - 141	
gamma-BHC (Lindane)	133	135	101	68 - 134	
4,4'-DDD	133	137	102	69 - 150	

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample - Batch: 460-176986

Method: 8081A
Preparation: 3546

Lab Sample ID:	LCS 460-176986/2-A	Analysis Batch:	460-177183	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-176986	Lab File ID:	XR144822.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 1842	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/20/2013 0519			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDE	133	133	100	70 - 147	
4,4'-DDT	133	138	103	63 - 146	
Dieldrin	133	122	92	63 - 129	
Endosulfan I	133	133	100	69 - 140	
Endosulfan II	133	134	101	66 - 136	
Endosulfan sulfate	133	127	95	65 - 137	
Endrin	133	127	95	67 - 142	
Endrin aldehyde	133	131	98	67 - 134	
Endrin ketone	133	131	98	68 - 146	
Heptachlor	133	134	101	67 - 136	
Heptachlor epoxide	133	130	98	68 - 136	
Methoxychlor	133	124	93	52 - 150	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	122	37 - 150
DCB Decachlorobiphenyl	130	60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176986

Method: 8081A
Preparation: 3546

MS Lab Sample ID:	460-61482-C-12-A MS	Analysis Batch:	460-177183	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-176986	Lab File ID:	XR144823.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/20/2013 1858			Final Weight/Volume:	10 mL
Prep Date:	08/20/2013 0519			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-61482-C-12-B MSD	Analysis Batch:	460-177183	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-176986	Lab File ID:	XR144824.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.05 g
Analysis Date:	08/20/2013 1913			Final Weight/Volume:	10 mL
Prep Date:	08/20/2013 0519			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aldrin	153	157	69 - 138	2	30	*	*
alpha-BHC	157	160	68 - 133	2	30	*	*
beta-BHC	150	151	67 - 137	0	30	*	*
delta-BHC	158	160	65 - 141	1	30	*	*
gamma-BHC (Lindane)	153	156	68 - 134	2	30	*	*
4,4'-DDD	161	163	69 - 150	1	30	*	*
4,4'-DDE	157	161	70 - 147	2	30	*	*
4,4'-DDT	154	157	63 - 146	2	30	*	*
Dieldrin	139	141	63 - 129	1	30	*	*
Endosulfan I	146	149	69 - 140	2	30	*	*
Endosulfan II	144	146	66 - 136	1	30	*	*
Endosulfan sulfate	146	147	65 - 137	0	30	*	*
Endrin	151	154	67 - 142	1	30	*	*
Endrin aldehyde	147	149	67 - 134	1	30	*	*
Endrin ketone	145	145	68 - 146	0	30		
Heptachlor	146	150	67 - 136	2	30	*	*
Heptachlor epoxide	144	147	68 - 136	2	30	*	*
Methoxychlor	144	145	52 - 150	0	30		

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
Tetrachloro-m-xylene	136		147		37 - 150
DCB Decachlorobiphenyl	175	*	186	*	60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176986

Method: 8081A
Preparation: 3546

MS Lab Sample ID:	460-61482-C-12-A MS	Analysis Batch:	460-177183	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-176986	Lab File ID:	XR144823.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/20/2013 1858			Final Weight/Volume:	10 mL
Prep Date:	08/20/2013 0519			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-61482-C-12-B MSD	Analysis Batch:	460-177183	Instrument ID:	CPESTGC1
Client Matrix:	Solid	Prep Batch:	460-176986	Lab File ID:	XR144824.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.05 g
Analysis Date:	08/20/2013 1913			Final Weight/Volume:	10 mL
Prep Date:	08/20/2013 0519			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aldrin	147	151	69 - 138	2	30	*	*
alpha-BHC	141	143	68 - 133	1	30	*	*
beta-BHC	141	142	67 - 137	1	30	*	*
delta-BHC	150	151	65 - 141	1	30	*	*
gamma-BHC (Lindane)	147	149	68 - 134	1	30	*	*
4,4'-DDD	152	154	69 - 150	1	30	*	*
4,4'-DDE	151	155	70 - 147	2	30	*	*
4,4'-DDT	149	152	63 - 146	2	30	*	*
Dieldrin	132	135	63 - 129	2	30	*	*
Endosulfan I	142	146	69 - 140	2	30	*	*
Endosulfan II	143	145	66 - 136	1	30	*	*
Endosulfan sulfate	139	141	65 - 137	1	30	*	*
Endrin	139	142	67 - 142	2	30		
Endrin aldehyde	144	145	67 - 134	0	30	*	*
Endrin ketone	140	141	68 - 146	1	30		
Heptachlor	146	149	67 - 136	2	30	*	*
Heptachlor epoxide	142	145	68 - 136	2	30	*	*
Methoxychlor	134	135	52 - 150	0	30		

Surrogate	MS % Rec	MSD % Rec		Acceptance Limits
Tetrachloro-m-xylene	134	145		37 - 150
DCB Decachlorobiphenyl	141	151	*	60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-177030

Method: 8081A
Preparation: 3510C

Lab Sample ID:	MB 460-177030/1-A	Analysis Batch:	460-177343	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-177030	Lab File ID:	QR096725.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/21/2013 1647	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 0920			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	0.050	U	0.038	0.050
alpha-BHC	0.050	U	0.036	0.050
beta-BHC	0.050	U	0.037	0.050
delta-BHC	0.050	U	0.033	0.050
gamma-BHC (Lindane)	0.050	U	0.035	0.050
Chlordane	0.50	U	0.21	0.50
4,4'-DDD	0.050	U	0.036	0.050
4,4'-DDE	0.050	U	0.035	0.050
4,4'-DDT	0.050	U	0.036	0.050
Dieldrin	0.050	U	0.033	0.050
Endosulfan I	0.050	U	0.034	0.050
Endosulfan II	0.050	U	0.035	0.050
Endosulfan sulfate	0.050	U	0.037	0.050
Endrin	0.050	U	0.034	0.050
Endrin aldehyde	0.050	U	0.035	0.050
Endrin ketone	0.050	U	0.037	0.050
Heptachlor	0.050	U	0.037	0.050
Heptachlor epoxide	0.050	U	0.035	0.050
Methoxychlor	0.050	U	0.045	0.050
Toxaphene	0.50	U	0.34	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	83	49 - 132
DCB Decachlorobiphenyl	104	37 - 144

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	86	49 - 132
DCB Decachlorobiphenyl	100	37 - 144

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-177030

Method: 8081A
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-177030/2-A	Analysis Batch:	460-177343	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-177030	Lab File ID:	QR096726.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/21/2013 1702	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 0920			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 460-177030/3-A	Analysis Batch:	460-177343	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-177030	Lab File ID:	QR096727.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/21/2013 1718	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 0920			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aldrin	96	89	61 - 122	8	30		
alpha-BHC	101	95	63 - 122	6	30		
beta-BHC	97	91	64 - 119	6	30		
delta-BHC	86	81	62 - 124	6	30		
gamma-BHC (Lindane)	102	95	59 - 121	7	30		
4,4'-DDD	117	110	68 - 136	6	30		
4,4'-DDE	103	97	66 - 132	5	30		
4,4'-DDT	109	102	66 - 132	6	30		
Dieldrin	98	93	62 - 112	5	30		
Endosulfan I	97	92	64 - 123	5	30		
Endosulfan II	104	98	63 - 116	5	30		
Endosulfan sulfate	102	97	56 - 121	5	30		
Endrin	103	98	42 - 138	5	30		
Endrin aldehyde	98	93	56 - 119	5	30		
Endrin ketone	98	92	62 - 125	6	30		
Heptachlor	97	92	61 - 118	5	30		
Heptachlor epoxide	102	97	64 - 120	5	30		
Methoxychlor	105	100	56 - 125	5	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	102	96	49 - 132
DCB Decachlorobiphenyl	111	105	37 - 144

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-177030

Method: 8081A
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-177030/2-A	Analysis Batch:	460-177343	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-177030	Lab File ID:	QR096726.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/21/2013 1702	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 0920			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

LCSD Lab Sample ID:	LCSD 460-177030/3-A	Analysis Batch:	460-177343	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-177030	Lab File ID:	QR096727.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/21/2013 1718	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 0920			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aldrin	94	88	61 - 122	6	30		
alpha-BHC	95	90	63 - 122	6	30		
beta-BHC	95	90	64 - 119	6	30		
delta-BHC	85	80	62 - 124	7	30		
gamma-BHC (Lindane)	96	90	59 - 121	7	30		
4,4'-DDD	107	100	68 - 136	8	30		
4,4'-DDE	100	91	66 - 132	8	30		
4,4'-DDT	97	92	66 - 132	5	30		
Dieldrin	97	89	62 - 112	8	30		
Endosulfan I	95	88	64 - 123	7	30		
Endosulfan II	102	96	63 - 116	6	30		
Endosulfan sulfate	97	92	56 - 121	6	30		
Endrin	99	92	42 - 138	7	30		
Endrin aldehyde	98	92	56 - 119	6	30		
Endrin ketone	97	92	62 - 125	6	30		
Heptachlor	94	87	61 - 118	8	30		
Heptachlor epoxide	99	92	64 - 120	8	30		
Methoxychlor	95	89	56 - 125	7	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	101	95	49 - 132
DCB Decachlorobiphenyl	105	100	37 - 144

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-177476

Method: 8081A
Preparation: 3546

Lab Sample ID:	MB 460-177476/1-A	Analysis Batch:	460-177565	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-177476	Lab File ID:	WR716091.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/22/2013 1205	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/22/2013 0442			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	6.7	U	1.4	6.7
alpha-BHC	6.7	U	1.5	6.7
beta-BHC	6.7	U	1.6	6.7
delta-BHC	6.7	U	1.2	6.7
gamma-BHC (Lindane)	6.7	U	1.2	6.7
Chlordane	67	U	19	67
4,4'-DDD	6.7	U	1.3	6.7
4,4'-DDE	6.7	U	1.3	6.7
4,4'-DDT	6.7	U	1.6	6.7
Dieldrin	6.7	U	1.2	6.7
Endosulfan I	6.7	U	1.5	6.7
Endosulfan II	6.7	U	1.3	6.7
Endosulfan sulfate	6.7	U	1.3	6.7
Endrin	6.7	U	1.6	6.7
Endrin aldehyde	6.7	U	1.0	6.7
Endrin ketone	6.7	U	1.3	6.7
Heptachlor	6.7	U	1.6	6.7
Heptachlor epoxide	6.7	U	1.5	6.7
Methoxychlor	6.7	U	1.6	6.7
Toxaphene	67	U	18	67

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	79	37 - 150
DCB Decachlorobiphenyl	82	60 - 150

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	76	37 - 150
DCB Decachlorobiphenyl	82	60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample - Batch: 460-177476

Method: 8081A
Preparation: 3546

Lab Sample ID:	LCS 460-177476/2-A	Analysis Batch:	460-177565	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-177476	Lab File ID:	WR716102.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/22/2013 1444	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/22/2013 0442			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	133	105	79	69 - 138	
alpha-BHC	133	102	76	68 - 133	
beta-BHC	133	103	77	67 - 137	
delta-BHC	133	103	77	65 - 141	
gamma-BHC (Lindane)	133	102	76	68 - 134	
4,4'-DDD	133	111	83	69 - 150	
4,4'-DDE	133	116	87	70 - 147	
4,4'-DDT	133	105	79	63 - 146	
Dieldrin	133	95.7	72	63 - 129	
Endosulfan I	133	98.8	74	69 - 140	
Endosulfan II	133	98.3	74	66 - 136	
Endosulfan sulfate	133	102	77	65 - 137	
Endrin	133	104	78	67 - 142	
Endrin aldehyde	133	101	75	67 - 134	
Endrin ketone	133	99.4	75	68 - 146	
Heptachlor	133	106	80	67 - 136	
Heptachlor epoxide	133	105	78	68 - 136	
Methoxychlor	133	110	83	52 - 150	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	63	37 - 150
DCB Decachlorobiphenyl	60	60 - 150

Lab Control Sample - Batch: 460-177476

Method: 8081A
Preparation: 3546

Lab Sample ID:	LCS 460-177476/2-A	Analysis Batch:	460-177565	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-177476	Lab File ID:	WR716102.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/22/2013 1444	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/22/2013 0442			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	133	100	75	69 - 138	
alpha-BHC	133	101	76	68 - 133	
beta-BHC	133	95.6	72	67 - 137	
delta-BHC	133	102	76	65 - 141	
gamma-BHC (Lindane)	133	100	75	68 - 134	
4,4'-DDD	133	99.9	75	69 - 150	

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample - Batch: 460-177476

Method: 8081A
Preparation: 3546

Lab Sample ID:	LCS 460-177476/2-A	Analysis Batch:	460-177565	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-177476	Lab File ID:	WR716102.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/22/2013 1444	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/22/2013 0442			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDE	133	93.5	70	70 - 147	
4,4'-DDT	133	98.2	74	63 - 146	
Dieldrin	133	87.6	66	63 - 129	
Endosulfan I	133	95.3	71	69 - 140	
Endosulfan II	133	94.6	71	66 - 136	
Endosulfan sulfate	133	98.9	74	65 - 137	
Endrin	133	97.4	73	67 - 142	
Endrin aldehyde	133	96.9	73	67 - 134	
Endrin ketone	133	96.5	72	68 - 146	
Heptachlor	133	95.4	72	67 - 136	
Heptachlor epoxide	133	96.4	72	68 - 136	
Methoxychlor	133	98.4	74	52 - 150	

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	60		37 - 150
DCB Decachlorobiphenyl	58	*	60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-177476

Method: 8081A
Preparation: 3546

MS Lab Sample ID:	460-61467-22	Analysis Batch:	460-177565	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-177476	Lab File ID:	WR716093.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	08/22/2013 1237			Final Weight/Volume:	10 mL
Prep Date:	08/22/2013 0442			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-61467-22	Analysis Batch:	460-177565	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-177476	Lab File ID:	WR716094.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/22/2013 1251			Final Weight/Volume:	10 mL
Prep Date:	08/22/2013 0442			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aldrin	112	78	69 - 138	36	30		*
alpha-BHC	111	77	68 - 133	36	30		*
beta-BHC	106	73	67 - 137	36	30		*
delta-BHC	113	77	65 - 141	38	30		*
gamma-BHC (Lindane)	110	76	68 - 134	36	30		*
4,4'-DDD	121	80	69 - 150	40	30		*
4,4'-DDE	127	84	70 - 147	41	30		*
4,4'-DDT	118	79	63 - 146	40	30		*
Dieldrin	102	71	63 - 129	36	30		*
Endosulfan I	108	74	69 - 140	38	30		*
Endosulfan II	108	73	66 - 136	39	30		*
Endosulfan sulfate	112	75	65 - 137	40	30		*
Endrin	116	77	67 - 142	41	30		*
Endrin aldehyde	113	75	67 - 134	40	30		*
Endrin ketone	109	74	68 - 146	38	30		*
Heptachlor	109	76	67 - 136	36	30		*
Heptachlor epoxide	113	78	68 - 136	36	30		*
Methoxychlor	116	75	52 - 150	43	30		*

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	148	83	37 - 150
DCB Decachlorobiphenyl	150	83	60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-177476

Method: 8081A
Preparation: 3546

MS Lab Sample ID:	460-61467-22	Analysis Batch:	460-177565	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-177476	Lab File ID:	WR716093.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	08/22/2013 1237			Final Weight/Volume:	10 mL
Prep Date:	08/22/2013 0442			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-61467-22	Analysis Batch:	460-177565	Instrument ID:	CPESTGC4
Client Matrix:	Solid	Prep Batch:	460-177476	Lab File ID:	WR716094.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/22/2013 1251			Final Weight/Volume:	10 mL
Prep Date:	08/22/2013 0442			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aldrin	111	76	69 - 138	38	30		*
alpha-BHC	107	75	68 - 133	35	30		*
beta-BHC	105	73	67 - 137	36	30		*
delta-BHC	108	75	65 - 141	36	30		*
gamma-BHC (Lindane)	108	75	68 - 134	35	30		*
4,4'-DDD	117	78	69 - 150	39	30		*
4,4'-DDE	110	75	70 - 147	38	30		*
4,4'-DDT	117	77	63 - 146	41	30		*
Dieldrin	92	68	63 - 129	29	30		
Endosulfan I	105	73	69 - 140	36	30		*
Endosulfan II	107	72	66 - 136	40	30		*
Endosulfan sulfate	109	74	65 - 137	39	30		*
Endrin	114	76	67 - 142	39	30		*
Endrin aldehyde	110	75	67 - 134	38	30		*
Endrin ketone	106	71	68 - 146	39	30		*
Heptachlor	104	71	67 - 136	38	30		*
Heptachlor epoxide	108	73	68 - 136	38	30		*
Methoxychlor	101	67	52 - 150	40	30		*

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	146	82	37 - 150
DCB Decachlorobiphenyl	148	80	60 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-176771

Method: 8082
Preparation: 3546

Lab Sample ID:	MB 460-176771/1-A	Analysis Batch:	460-176806	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-176771	Lab File ID:	VR488491.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/19/2013 0854	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/19/2013 0525			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	67	U	15	67
Aroclor 1221	67	U	15	67
Aroclor 1232	67	U	15	67
Aroclor 1242	67	U	15	67
Aroclor 1248	67	U	15	67
Aroclor 1254	67	U	19	67
Aroclor 1260	67	U	19	67
Aroclor 1262	67	U	19	67
Aroclor 1268	67	U	19	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	117	45 - 138

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	99	45 - 138

Lab Control Sample - Batch: 460-176771 **Method: 8082**
Preparation: 3546

Lab Sample ID:	LCS 460-176771/2-A	Analysis Batch:	460-176806	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-176771	Lab File ID:	VR488502.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/19/2013 1149	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/19/2013 0525			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	384	115	75 - 150	
Aroclor 1260	333	438	131	72 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	111	45 - 138

Lab Control Sample - Batch: 460-176771 **Method: 8082**
Preparation: 3546

Lab Sample ID:	LCS 460-176771/2-A	Analysis Batch:	460-176806	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-176771	Lab File ID:	VR488502.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/19/2013 1149	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/19/2013 0525			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	326	98	75 - 150	
Aroclor 1260	333	354	106	72 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	99	45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176771

Method: 8082
Preparation: 3546

MS Lab Sample ID:	460-61364-E-2-G MS	Analysis Batch:	460-176806	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-176771	Lab File ID:	VR488494.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.03 g
Analysis Date:	08/19/2013 0942			Final Weight/Volume:	10 mL
Prep Date:	08/19/2013 0525			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-61364-E-2-H MSD	Analysis Batch:	460-176806	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-176771	Lab File ID:	VR488495.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/19/2013 0958			Final Weight/Volume:	10 mL
Prep Date:	08/19/2013 0525			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	109	118	75 - 150	8	30		
Aroclor 1260	117	131	72 - 150	11	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	105	107	45 - 138

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176771

Method: 8082
Preparation: 3546

MS Lab Sample ID:	460-61364-E-2-G MS	Analysis Batch:	460-176806	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-176771	Lab File ID:	VR488494.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.03 g
Analysis Date:	08/19/2013 0942			Final Weight/Volume:	10 mL
Prep Date:	08/19/2013 0525			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-61364-E-2-H MSD	Analysis Batch:	460-176806	Instrument ID:	CPESTGC9
Client Matrix:	Solid	Prep Batch:	460-176771	Lab File ID:	VR488495.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/19/2013 0958			Final Weight/Volume:	10 mL
Prep Date:	08/19/2013 0525			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	89	96	75 - 150	8	30		
Aroclor 1260	98	105	72 - 150	7	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	97	98	45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-176988

Method: 8082
Preparation: 3546

Lab Sample ID:	MB 460-176988/1-A	Analysis Batch:	460-177174	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-176988	Lab File ID:	T022300.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 1654	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/20/2013 0534			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	67	U	15	67
Aroclor 1221	67	U	15	67
Aroclor 1232	67	U	15	67
Aroclor 1242	67	U	15	67
Aroclor 1248	67	U	15	67
Aroclor 1254	67	U	19	67
Aroclor 1260	67	U	19	67
Aroclor 1262	67	U	19	67
Aroclor 1268	67	U	19	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	83	45 - 138

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	80	45 - 138

Lab Control Sample - Batch: 460-176988 **Method: 8082**
Preparation: 3546

Lab Sample ID:	LCS 460-176988/2-A	Analysis Batch:	460-177174	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-176988	Lab File ID:	T022301.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 1713	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/20/2013 0534			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	290	87	75 - 150	
Aroclor 1260	333	290	87	72 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	81	45 - 138

Lab Control Sample - Batch: 460-176988 **Method: 8082**
Preparation: 3546

Lab Sample ID:	LCS 460-176988/2-A	Analysis Batch:	460-177174	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-176988	Lab File ID:	T022301.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 1713	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/20/2013 0534			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	280	84	75 - 150	
Aroclor 1260	333	285	85	72 - 150	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	79	45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176988

Method: 8082
Preparation: 3546

MS Lab Sample ID:	460-61482-C-12-D MS	Analysis Batch:	460-177174	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-176988	Lab File ID:	T022302.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.05 g
Analysis Date:	08/20/2013 1732			Final Weight/Volume:	10 mL
Prep Date:	08/20/2013 0534			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-61482-C-12-E MSD	Analysis Batch:	460-177174	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-176988	Lab File ID:	T022303.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 1751			Final Weight/Volume:	10 mL
Prep Date:	08/20/2013 0534			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	82	88	75 - 150	6	30		
Aroclor 1260	80	86	72 - 150	8	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	67	70	45 - 138

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176988

Method: 8082
Preparation: 3546

MS Lab Sample ID:	460-61482-C-12-D MS	Analysis Batch:	460-177174	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-176988	Lab File ID:	T022302.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.05 g
Analysis Date:	08/20/2013 1732			Final Weight/Volume:	10 mL
Prep Date:	08/20/2013 0534			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-61482-C-12-E MSD	Analysis Batch:	460-177174	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-176988	Lab File ID:	T022303.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 1751			Final Weight/Volume:	10 mL
Prep Date:	08/20/2013 0534			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	79	80	75 - 150	1	30		
Aroclor 1260	78	79	72 - 150	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	65	68	45 - 138

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-177031

Method: 8082
Preparation: 3510C

Lab Sample ID:	MB 460-177031/1-A	Analysis Batch:	460-177591	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-177031	Lab File ID:	QR096761.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/22/2013 1225	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 0924			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.40	U	0.27	0.40
Aroclor 1221	0.40	U	0.27	0.40
Aroclor 1232	0.40	U	0.27	0.40
Aroclor 1242	0.40	U	0.27	0.40
Aroclor 1248	0.40	U	0.27	0.40
Aroclor 1254	0.40	U	0.21	0.40
Aroclor 1260	0.40	U	0.21	0.40
Aroclor 1262	0.40	U	0.21	0.40
Aroclor 1268	0.40	U	0.21	0.40
Polychlorinated biphenyls, Total	0.40	U	0.27	0.40

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	73	37 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	70	37 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-177031

Method: 8082
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-177031/2-A	Analysis Batch:	460-177722	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-177031	Lab File ID:	QR096768.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/22/2013 1604	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 0924			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 460-177031/3-A	Analysis Batch:	460-177591	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-177031	Lab File ID:	QR096763.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/22/2013 1256	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 0924			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aroclor 1016	116	111	71 - 126	5	30		
Aroclor 1260	117	111	73 - 130	5	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	91	92	37 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-177031

Method: 8082
Preparation: 3510C

LCS Lab Sample ID:	LCS 460-177031/2-A	Analysis Batch:	460-177722	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-177031	Lab File ID:	QR096768.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/22/2013 1604	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 0924			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

LCSD Lab Sample ID:	LCSD 460-177031/3-A	Analysis Batch:	460-177591	Instrument ID:	CPESTGC8
Client Matrix:	Water	Prep Batch:	460-177031	Lab File ID:	QR096763.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	125 mL
Analysis Date:	08/22/2013 1256	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	08/20/2013 0924			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aroclor 1016	113	103	71 - 126	9	30		
Aroclor 1260	112	108	73 - 130	4	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	90	91	37 - 150

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-176891

Method: NJDEP EPH
Preparation: 3546

Lab Sample ID:	MB 460-176891/1-A	Analysis Batch:	460-176977	Instrument ID:	CBNAGC1
Client Matrix:	Solid	Prep Batch:	460-176891	Lab File ID:	GCF66462.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 1353	Units:	mg/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/19/2013 1359			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	RL	RL
Total EPH (C9-C40)	2.0	U	2.0	2.0

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	114	40 - 140
1-Chlorooctadecane	113	40 - 140

Lab Control Sample - Batch: 460-176891

Method: NJDEP EPH
Preparation: 3546

Lab Sample ID:	LCS 460-176891/2-A	Analysis Batch:	460-176977	Instrument ID:	CBNAGC1
Client Matrix:	Solid	Prep Batch:	460-176891	Lab File ID:	GCF66463.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 1401	Units:	mg/Kg	Final Weight/Volume:	2 mL
Prep Date:	08/19/2013 1359			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total EPH (C9-C40)	133	178	133	40 - 140	

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176891

Method: NJDEP EPH
Preparation: 3546

MS Lab Sample ID:	460-61476-A-2-A MS	Analysis Batch:	460-176977	Instrument ID:	CBNAGC1
Client Matrix:	Solid	Prep Batch:	460-176891	Lab File ID:	GCF66467.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 1523			Final Weight/Volume:	2 mL
Prep Date:	08/19/2013 1359			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-61476-A-2-B MSD	Analysis Batch:	460-176977	Instrument ID:	CBNAGC1
Client Matrix:	Solid	Prep Batch:	460-176891	Lab File ID:	GCF66468.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/20/2013 1538			Final Weight/Volume:	2 mL
Prep Date:	08/19/2013 1359			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total EPH (C9-C40)	108	123	40 - 140	7	25		

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 490-101667

Method: 6010B
Preparation: 3051A

Lab Sample ID:	MB 490-101667/1-A	Analysis Batch:	490-101773	Instrument ID:	ICP6
Client Matrix:	Solid	Prep Batch:	490-101667	Lab File ID:	TALS_082113-6B.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.500 g
Analysis Date:	08/21/2013 1803	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/21/2013 1305				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Sulfur	50.0	U	5.5	50.0

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 490-101667

Method: 6010B
Preparation: 3051A

LCS Lab Sample ID:	LCS 490-101667/2-A	Analysis Batch:	490-101773	Instrument ID:	ICP6
Client Matrix:	Solid	Prep Batch:	490-101667	Lab File ID:	TALS_082113-6B.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.499 g
Analysis Date:	08/21/2013 1807	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/21/2013 1305				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 490-101667/3-A	Analysis Batch:	490-101773	Instrument ID:	ICP6
Client Matrix:	Solid	Prep Batch:	490-101667	Lab File ID:	TALS_082113-6B.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.499 g
Analysis Date:	08/21/2013 1811	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/21/2013 1305				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Sulfur	101	100	80 - 120	1	20		

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 490-101667

Method: 6010B
Preparation: 3051A

MS Lab Sample ID:	460-61467-7	Analysis Batch:	490-101773	Instrument ID:	ICP6
Client Matrix:	Solid	Prep Batch:	490-101667	Lab File ID:	TALS_082113-6B.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.503 g
Analysis Date:	08/21/2013 1830			Final Weight/Volume:	100 mL
Prep Date:	08/21/2013 1305				
Leach Date:	N/A				

MSD Lab Sample ID:	460-61467-7	Analysis Batch:	490-101773	Instrument ID:	ICP6
Client Matrix:	Solid	Prep Batch:	490-101667	Lab File ID:	TALS_082113-6B.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.506 g
Analysis Date:	08/21/2013 1833			Final Weight/Volume:	100 mL
Prep Date:	08/21/2013 1305				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfur	52	113	75 - 125	39	20	N	N

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-176789

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 460-176789/1-A ^2	Analysis Batch:	460-176850	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176789	Lab File ID:	08192013.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/19/2013 1614	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0753				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	0.50	U	0.47	0.50
Barium	20.0	U	0.57	20.0
Cadmium	0.50	U	0.074	0.50
Chromium	1.0	U	0.43	1.0
Lead	0.50	U	0.43	0.50
Selenium	1.0	U	0.66	1.0
Silver	1.0	U	0.10	1.0

LCS-Certified Reference Material - Batch: 460-176789

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	460-176850	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176789	Lab File ID:	08192013.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	08/19/2013 1617	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0753				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	168	164.6	98.0	70.8 - 129.8	
Barium	213	221.4	103.9	73.2 - 126.8	
Cadmium	103	104.5	101.4	73.0 - 126.2	
Chromium	119	120.4	101.2	69.7 - 129.4	
Lead	76.9	78.53	102.1	68.7 - 131.3	
Selenium	126	124.8	99.1	66.7 - 134.1	
Silver	42.3	40.02	94.6	66.2 - 134.0	

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike - Batch: 460-176789

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-61163-A-18-E MS ^4	Analysis Batch:	460-176850	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176789	Lab File ID:	08192013.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	08/19/2013 1632	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0753				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	1.2	J	257	243.8	95	75 - 125	
Barium	8.4	J	257	279.3	105	75 - 125	
Cadmium	1.3	U	6.43	6.49	101	75 - 125	
Chromium	6.6		25.7	32.25	100	75 - 125	
Lead	2.2		64.3	68.20	103	75 - 125	
Selenium	2.6	U	257	243.2	95	75 - 125	
Silver	2.6	U	6.43	5.80	90	75 - 125	

Duplicate - Batch: 460-176789

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-61163-A-18-D DU ^4	Analysis Batch:	460-176850	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176789	Lab File ID:	08192013.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	08/19/2013 1621	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0753				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	1.2	J	1.2	NC	20	U
Barium	8.4	J	8.26	2	20	J
Cadmium	1.3	U	1.2	NC	20	U
Chromium	6.6		6.92	5	20	
Lead	2.2		2.17	0.3	20	
Selenium	2.6	U	2.5	NC	20	U
Silver	2.6	U	2.5	NC	20	U

Method Blank - Batch: 460-176793

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 460-176793/1-A	Analysis Batch:	460-176850	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-176793	Lab File ID:	08192013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/19/2013 1351	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/19/2013 0815				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	5.0	U	3.7	5.0
Barium	200	U	5.9	200
Cadmium	5.0	U	0.82	5.0
Chromium	10.0	U	4.5	10.0
Lead	5.0	U	4.0	5.0
Selenium	10.0	U	5.8	10.0
Silver	10.0	U	1.3	10.0

Lab Control Sample - Batch: 460-176793

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 460-176793/2-A	Analysis Batch:	460-176850	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-176793	Lab File ID:	08192013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/19/2013 1340	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/19/2013 0815				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2000	1971	99	80 - 120	
Barium	2000	2138	107	80 - 120	
Cadmium	50.0	52.52	105	80 - 120	
Chromium	200	213.1	107	80 - 120	
Lead	500	538.8	108	80 - 120	
Selenium	2000	1974	99	80 - 120	
Silver	50.0	48.36	97	80 - 120	

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike - Batch: 460-176793

Method: 6010B
Preparation: 3010A

Lab Sample ID:	460-61266-F-1-D MS	Analysis Batch:	460-176850	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-176793	Lab File ID:	08192013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/19/2013 1406	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/19/2013 0815				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	5.0	U	2000	2049	102	75 - 125	
Barium	99.7	J	2000	2233	107	75 - 125	
Cadmium	5.0	U	50.0	52.73	105	75 - 125	
Chromium	10.0	U	200	211.7	106	75 - 125	
Lead	5.0	U	500	531.4	106	75 - 125	
Selenium	10.0	U	2000	2042	102	75 - 125	
Silver	10.0	U	50.0	49.59	99	75 - 125	

Duplicate - Batch: 460-176793

Method: 6010B
Preparation: 3010A

Lab Sample ID:	460-61266-F-1-C DU	Analysis Batch:	460-176850	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-176793	Lab File ID:	08192013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/19/2013 1355	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/19/2013 0815				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	5.0	U	5.0	NC	20	U
Barium	99.7	J	100.5	0.8	20	J
Cadmium	5.0	U	5.0	NC	20	U
Chromium	10.0	U	10.0	NC	20	U
Lead	5.0	U	5.0	NC	20	U
Selenium	10.0	U	10.0	NC	20	U
Silver	10.0	U	10.0	NC	20	U

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-176800

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 460-176800/1-A ^2	Analysis Batch:	460-176850	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/19/2013 1824	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	20.0	U	9.1	20.0
Antimony	1.0	U	0.62	1.0
Arsenic	0.50	U	0.47	0.50
Barium	20.0	U	0.57	20.0
Beryllium	0.20	U	0.072	0.20
Cadmium	0.50	U	0.074	0.50
Calcium	500	U	35.4	500
Chromium	1.0	U	0.43	1.0
Cobalt	5.0	U	0.43	5.0
Copper	2.5	U	0.97	2.5
Iron	15.0	U	6.1	15.0
Lead	0.50	U	0.43	0.50
Magnesium	500	U	36.0	500
Manganese	1.5	U	0.44	1.5
Nickel	4.0	U	0.44	4.0
Potassium	500	U	53.5	500
Selenium	1.0	U	0.66	1.0
Silver	1.0	U	0.10	1.0
Sodium	500	U	79.0	500
Thallium	1.0	U	0.57	1.0
Vanadium	5.0	U	0.38	5.0
Zinc	3.0	U	0.54	3.0

Client: AKRF Inc

Job Number: 460-61467-1

LCS-Certified Reference Material - Batch: 460-176800

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	460-176850	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	08/19/2013 1828	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	9310	8120	87.2	43.3 - 156.8	
Antimony	120	216.5	180.4	20.8 - 252.5	
Arsenic	168	166.5	99.1	70.8 - 129.8	
Barium	213	223.5	104.9	73.2 - 126.8	
Beryllium	110	110.6	100.6	75.1 - 125.5	
Cadmium	103	105.4	102.3	73.0 - 126.2	
Calcium	6870	7071	102.9	74.4 - 125.8	
Chromium	119	123.9	104.1	69.7 - 129.4	
Cobalt	131	141.8	108.2	74.4 - 125.2	
Copper	118	121.2	102.7	74.6 - 124.6	
Iron	13000	14000	107.7	32.2 - 167.7	
Lead	76.9	81.29	105.7	68.7 - 131.3	
Magnesium	2780	2610	93.9	65.1 - 135.3	
Manganese	338	375.1	111.0	75.4 - 125.1	
Nickel	70.0	76.14	108.8	70.9 - 129.0	
Potassium	3130	2969	94.8	62.9 - 136.7	
Selenium	126	126.3	100.2	66.7 - 134.1	
Silver	42.3	41.69	98.5	66.2 - 134.0	
Sodium	350	346.9	99.1	42.9 - 156.9	J
Thallium	208	233.7	112.4	69.2 - 130.8	
Vanadium	87.1	89.71	103.0	63.1 - 136.6	
Zinc	276	280.4	101.6	71.4 - 128.6	

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike - Batch: 460-176800

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-61467-8	Analysis Batch:	460-176850	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	08/19/2013 1842	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	8900		218	10290	636	75 - 125	4
Antimony	2.1	U	54.5	30.19	55	75 - 125	N
Arsenic	1.2		218	201.0	92	75 - 125	
Barium	136		218	405.2	124	75 - 125	
Beryllium	0.29	J	5.45	5.56	97	75 - 125	
Cadmium	1.1	U	5.45	5.32	98	75 - 125	
Calcium	12200		2180	11870	-14	75 - 125	4
Chromium	17.9		21.8	39.45	99	75 - 125	
Cobalt	6.3	J	54.5	59.72	98	75 - 125	
Copper	23.7		27.2	48.98	93	75 - 125	
Iron	15400		109	20690	4819	75 - 125	4
Lead	33.2		54.5	99.59	122	75 - 125	
Magnesium	4810		2180	6188	63	75 - 125	N
Manganese	232		54.5	273.1	76	75 - 125	4
Nickel	16.6		54.5	72.39	102	75 - 125	
Potassium	2730		2180	5386	122	75 - 125	
Selenium	2.1	U	218	198.7	91	75 - 125	
Silver	2.1	U	5.45	4.95	91	75 - 125	
Sodium	1060	U	2180	2313	106	75 - 125	
Thallium	2.1	U	218	219.9	101	75 - 125	
Vanadium	25.4		54.5	77.18	95	75 - 125	
Zinc	89.8		54.5	162.3	133	75 - 125	N

Client: AKRF Inc

Job Number: 460-61467-1

Duplicate - Batch: 460-176800

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-61467-8	Analysis Batch:	460-176850	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176800	Lab File ID:	08192013.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	08/19/2013 1831	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0841				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	8900		8372	6	20	
Antimony	2.1	U	2.1	NC	20	U
Arsenic	1.2		1.57	23	20	
Barium	136		174.7	25	20	
Beryllium	0.29	J	0.284	2	20	J
Cadmium	1.1	U	0.168	NC	20	J
Calcium	12200		19060	44	20	*
Chromium	17.9		16.51	8	20	
Cobalt	6.3	J	6.40	1	20	J
Copper	23.7		20.44	15	20	
Iron	15400		14270	8	20	
Lead	33.2		48.66	38	20	*
Magnesium	4810		4426	8	20	
Manganese	232		252.0	8	20	
Nickel	16.6		17.38	5	20	
Potassium	2730		2596	5	20	
Selenium	2.1	U	2.1	NC	20	U
Silver	2.1	U	2.1	NC	20	U
Sodium	1060	U	1050	NC	20	U
Thallium	2.1	U	2.1	NC	20	U
Vanadium	25.4		24.38	4	20	
Zinc	89.8		156.7	54	20	*

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-176945

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 460-176945/1-A ^2	Analysis Batch:	460-177090	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176945	Lab File ID:	08202013.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/20/2013 1005	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1600				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	20.0	U	9.1	20.0
Antimony	1.0	U	0.62	1.0
Arsenic	0.50	U	0.47	0.50
Barium	20.0	U	0.57	20.0
Beryllium	0.20	U	0.072	0.20
Cadmium	0.50	U	0.074	0.50
Calcium	500	U	35.4	500
Chromium	1.0	U	0.43	1.0
Cobalt	5.0	U	0.43	5.0
Copper	2.5	U	0.97	2.5
Iron	15.0	U	6.1	15.0
Lead	0.50	U	0.43	0.50
Magnesium	500	U	36.0	500
Manganese	1.5	U	0.44	1.5
Nickel	4.0	U	0.44	4.0
Potassium	500	U	53.5	500
Selenium	1.0	U	0.66	1.0
Silver	1.0	U	0.10	1.0
Sodium	500	U	79.0	500
Thallium	1.0	U	0.57	1.0
Vanadium	5.0	U	0.38	5.0
Zinc	3.0	U	0.54	3.0

Client: AKRF Inc

Job Number: 460-61467-1

LCS-Certified Reference Material - Batch: 460-176945

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	460-177090	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176945	Lab File ID:	08202013.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/20/2013 0954	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1600				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	9310	8078	86.8	43.3 - 156.8	
Antimony	120	59.88	49.9	20.8 - 252.5	
Arsenic	168	158.2	94.2	70.8 - 129.8	
Barium	213	222.8	104.6	73.2 - 126.8	
Beryllium	110	108.3	98.4	75.1 - 125.5	
Cadmium	103	101.7	98.7	73.0 - 126.2	
Calcium	6870	6786	98.8	74.4 - 125.8	
Chromium	119	115.5	97.0	69.7 - 129.4	
Cobalt	131	135.6	103.5	74.4 - 125.2	
Copper	118	115.3	97.7	74.6 - 124.6	
Iron	13000	12600	97.0	32.2 - 167.7	
Lead	76.9	78.52	102.1	68.7 - 131.3	
Magnesium	2780	2542	91.4	65.1 - 135.3	
Manganese	338	349.6	103.4	75.4 - 125.1	
Nickel	70.0	72.80	104.0	70.9 - 129.0	
Potassium	3130	2846	90.9	62.9 - 136.7	
Selenium	126	120.7	95.8	66.7 - 134.1	
Silver	42.3	39.18	92.6	66.2 - 134.0	
Sodium	350	321.2	91.8	42.9 - 156.9	J
Thallium	208	226.4	108.8	69.2 - 130.8	
Vanadium	87.1	83.34	95.7	63.1 - 136.6	
Zinc	276	274.0	99.3	71.4 - 128.6	

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike - Batch: 460-176945

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-61467-24	Analysis Batch:	460-177090	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176945	Lab File ID:	08202013.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	08/20/2013 0943	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1600				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	12100		206	12380	138	75 - 125	4
Antimony	2.1	U	51.6	25.82	50	75 - 125	N
Arsenic	1.0	U	206	192.9	93	75 - 125	
Barium	143		206	346.3	98	75 - 125	
Beryllium	0.42	U	5.16	5.25	102	75 - 125	
Cadmium	0.28	J	5.16	5.34	98	75 - 125	
Calcium	3940		2060	8475	220	75 - 125	N
Chromium	22.8		20.6	44.95	107	75 - 125	
Cobalt	14.0		51.6	64.86	99	75 - 125	
Copper	30.7		25.8	53.26	88	75 - 125	
Iron	25700		103	24490	-1162	75 - 125	4
Lead	6.8		51.6	59.23	102	75 - 125	
Magnesium	7210		2060	9181	96	75 - 125	
Manganese	238		51.6	293.7	108	75 - 125	4
Nickel	23.3		51.6	75.26	101	75 - 125	
Potassium	6300		2060	7873	76	75 - 125	
Selenium	2.1	U	206	193.6	94	75 - 125	
Silver	2.1	U	5.16	4.82	94	75 - 125	
Sodium	1040	U	2060	2222	108	75 - 125	
Thallium	2.1	U	206	211.7	103	75 - 125	
Vanadium	31.1		51.6	79.82	94	75 - 125	
Zinc	91.1		51.6	133.1	81	75 - 125	

Client: AKRF Inc

Job Number: 460-61467-1

Duplicate - Batch: 460-176945

Method: 6010B
Preparation: 3050B

Lab Sample ID:	460-61467-24	Analysis Batch:	460-177090	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-176945	Lab File ID:	08202013.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	08/20/2013 0932	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 1600				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	12100		11050	9	20	
Antimony	2.1	U	2.1	NC	20	U
Arsenic	1.0	U	1.0	NC	20	U
Barium	143		131.1	9	20	
Beryllium	0.42	U	0.42	NC	20	U
Cadmium	0.28	J	0.290	5	20	J
Calcium	3940		3434	14	20	
Chromium	22.8		20.32	11	20	
Cobalt	14.0		13.06	7	20	
Copper	30.7		26.11	16	20	
Iron	25700		23590	9	20	
Lead	6.8		7.06	4	20	
Magnesium	7210		6406	12	20	
Manganese	238		250.7	5	20	
Nickel	23.3		21.73	7	20	
Potassium	6300		5410	15	20	
Selenium	2.1	U	2.1	NC	20	U
Silver	2.1	U	2.1	NC	20	U
Sodium	1040	U	1040	NC	20	U
Thallium	2.1	U	2.1	NC	20	U
Vanadium	31.1		28.30	10	20	
Zinc	91.1		82.31	10	20	

Method Blank - Batch: 460-177280

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 460-177280/1-A	Analysis Batch:	460-177387	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-177280	Lab File ID:	08212013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	08/21/2013 1408	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/21/2013 0835				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	5.0	U	3.7	5.0
Barium	200	U	5.9	200
Cadmium	5.0	U	0.82	5.0
Chromium	10.0	U	4.5	10.0
Lead	5.0	U	4.0	5.0
Selenium	10.0	U	5.8	10.0
Silver	10.0	U	1.3	10.0

TCLP SPLPE Leachate Blank - Batch: 460-177280

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	LB 460-176924/1-G ^5	Analysis Batch:	460-177387	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-177280	Lab File ID:	08212013.asc
Dilution:	5.0	Leach Batch:	460-176924	Initial Weight/Volume:	50 mL
Analysis Date:	08/21/2013 1412	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/21/2013 0835				
Leach Date:	08/19/2013 1649				

Analyte	Result	Qual	MDL	RL
Arsenic	25.0	U	18.6	25.0
Barium	1000	U	29.7	1000
Cadmium	25.0	U	4.1	25.0
Chromium	50.0	U	22.3	50.0
Lead	25.0	U	20.1	25.0
Selenium	50.0	U	28.8	50.0
Silver	50.0	U	6.7	50.0

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample - Batch: 460-177280

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 460-177280/2-A	Analysis Batch:	460-177387	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-177280	Lab File ID:	08212013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	08/21/2013 1357	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/21/2013 0835				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	5000	5167	103	80 - 120	
Barium	10000	10770	108	80 - 120	
Cadmium	1000	1074	107	80 - 120	
Chromium	5000	5407	108	80 - 120	
Lead	5000	5591	112	80 - 120	
Selenium	1000	1017	102	80 - 120	
Silver	500	506.3	101	80 - 120	

Matrix Spike - Batch: 460-177280

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	460-61467-12	Analysis Batch:	460-177387	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-177280	Lab File ID:	08212013.asc
Dilution:	5.0	Leach Batch:	460-176924	Initial Weight/Volume:	50 mL
Analysis Date:	08/21/2013 1434	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/21/2013 0835				
Leach Date:	08/19/2013 1649				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	25.0	U	5000	5260	105	75 - 125	
Barium	915	J	10000	11540	106	75 - 125	
Cadmium	25.0	U	1000	1066	107	75 - 125	
Chromium	50.0	U	5000	5365	107	75 - 125	
Lead	87.8		5000	5480	108	75 - 125	
Selenium	50.0	U	1000	1044	104	75 - 125	
Silver	50.0	U	500	515.0	103	75 - 125	

Client: AKRF Inc

Job Number: 460-61467-1

Duplicate - Batch: 460-177280

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	460-61467-12	Analysis Batch:	460-177387	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-177280	Lab File ID:	08212013.asc
Dilution:	5.0	Leach Batch:	460-176924	Initial Weight/Volume:	50 mL
Analysis Date:	08/21/2013 1423	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	08/21/2013 0835				
Leach Date:	08/19/2013 1649				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	25.0	U	25.0	NC	20	U
Barium	915	J	937.0	2	20	J
Cadmium	25.0	U	25.0	NC	20	U
Chromium	50.0	U	50.0	NC	20	U
Lead	87.8		84.75	4	20	
Selenium	50.0	U	50.0	NC	20	U
Silver	50.0	U	50.0	NC	20	U

Method Blank - Batch: 460-177714

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID:	MB 460-177717/1-B	Analysis Batch:	460-177823	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-177714	Lab File ID:	08232013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/23/2013 1441	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/23/2013 0837				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	5.0	U	3.7	5.0
Barium	200	U	5.9	200
Cadmium	5.0	U	0.82	5.0
Chromium	10.0	U	4.5	10.0
Lead	5.0	U	4.0	5.0
Selenium	10.0	U	5.8	10.0
Silver	10.0	U	1.3	10.0

Lab Control Sample - Batch: 460-177714

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 460-177714/2-A	Analysis Batch:	460-177823	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-177714	Lab File ID:	08232013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/23/2013 1430	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/23/2013 0837				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2000	1922	96	80 - 120	
Barium	2000	2103	105	80 - 120	
Cadmium	50.0	51.53	103	80 - 120	
Chromium	200	205.6	103	80 - 120	
Lead	500	527.6	106	80 - 120	
Selenium	2000	1924	96	80 - 120	
Silver	50.0	47.20	94	80 - 120	

Matrix Spike - Batch: 460-177714

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID:	460-61283-E-3-D MS	Analysis Batch:	460-177823	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-177714	Lab File ID:	08232013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/23/2013 1416	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/23/2013 0837				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Barium	337		2000	2339	100	75 - 125	
Cadmium	5.0	U	50.0	48.22	96	75 - 125	
Chromium	10.0	U	200	197.5	99	75 - 125	
Lead	5.0	U	500	500.5	100	75 - 125	
Selenium	10.0	U	2000	1890	95	75 - 125	
Silver	10.0	U	50.0	47.19	94	75 - 125	

Duplicate - Batch: 460-177714

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID:	460-61283-A-3-B DU	Analysis Batch:	460-177823	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-177714	Lab File ID:	08232013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/23/2013 1404	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/23/2013 0837				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Barium	337		340.4	0.9	20	
Cadmium	5.0	U	5.0	NC	20	U
Chromium	10.0	U	10.0	NC	20	U
Lead	5.0	U	5.0	NC	20	U
Selenium	10.0	U	10.0	NC	20	U
Silver	10.0	U	10.0	NC	20	U

Client: AKRF Inc

Job Number: 460-61467-1

TCLP SPLPE Leachate Blank - Batch: 460-170585

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	LB 460-170300/1-F	Analysis Batch:	460-170656	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-170585	Lab File ID:	170585.PRN
Dilution:	1.0	Leach Batch:	460-170300	Initial Weight/Volume:	30 mL
Analysis Date:	07/15/2013 1513	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	07/15/2013 1101				
Leach Date:	07/12/2013 1346				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

Method Blank - Batch: 460-176776

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 460-176776/11-A	Analysis Batch:	460-176854	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-176776	Lab File ID:	176776HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/19/2013 0803	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/19/2013 0535				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

Lab Control Sample - Batch: 460-176776

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 460-176776/12-A	Analysis Batch:	460-176854	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-176776	Lab File ID:	176776HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/19/2013 0805	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/19/2013 0535				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	1.04	104	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176776

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	460-61368-F-5-A MS	Analysis Batch:	460-176854	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-176776	Lab File ID:	176776HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/19/2013 0811			Final Weight/Volume:	30 mL
Prep Date:	08/19/2013 0535				
Leach Date:	N/A				

MSD Lab Sample ID:	460-61368-Q-5-A MSD	Analysis Batch:	460-176854	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-176776	Lab File ID:	176776HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/19/2013 0812			Final Weight/Volume:	30 mL
Prep Date:	08/19/2013 0535				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	86	88	75 - 125	2	20		

Client: AKRF Inc

Job Number: 460-61467-1

Duplicate - Batch: 460-176776

Method: 7470A
Preparation: 7470A

Lab Sample ID:	460-61368-A-5-A DU	Analysis Batch:	460-176854	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-176776	Lab File ID:	176776HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/19/2013 0809	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/19/2013 0535				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.20	U	0.20	NC	20	U

Method Blank - Batch: 460-176991

Method: 7470A
Preparation: 7470A
Dissolved

Lab Sample ID:	MB 460-176983/1-B	Analysis Batch:	460-177116	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-176991	Lab File ID:	176991HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 0841	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 0555				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

Lab Control Sample - Batch: 460-176991

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 460-176991/12-A	Analysis Batch:	460-177116	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-176991	Lab File ID:	176991HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 0843	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 0555				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	0.994	99	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176991

Method: 7470A
Preparation: 7470A
Dissolved

MS Lab Sample ID:	460-61368-G-5-E MS	Analysis Batch:	460-177116	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-176991	Lab File ID:	176991HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 0850			Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 0555				
Leach Date:	N/A				

MSD Lab Sample ID:	460-61368-G-5-F MSD	Analysis Batch:	460-177116	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-176991	Lab File ID:	176991HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 0852			Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 0555				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	104	108	75 - 125	4	20		

Client: AKRF Inc

Job Number: 460-61467-1

Duplicate - Batch: 460-176991

Method: 7470A
Preparation: 7470A
Dissolved

Lab Sample ID:	460-61368-B-5-B DU	Analysis Batch:	460-177116	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-176991	Lab File ID:	176991HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 0847	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 0555				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.20	U	0.20	NC	20	U

Method Blank - Batch: 460-177114

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 460-177114/1-A	Analysis Batch:	460-177165	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-177114	Lab File ID:	177107hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 1444	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 1200				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

TCLP SPLPE Leachate Blank - Batch: 460-177114

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	LB 460-176924/1-E	Analysis Batch:	460-177165	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-177114	Lab File ID:	177107hg1.PRN
Dilution:	1.0	Leach Batch:	460-176924	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 1541	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 1200				
Leach Date:	08/19/2013 1649				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

Lab Control Sample - Batch: 460-177114

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 460-177114/2-A	Analysis Batch:	460-177165	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-177114	Lab File ID:	177107hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 1446	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 1200				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	4.85	97	80 - 120	

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike - Batch: 460-177114

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	460-59196-A-43-G MS	Analysis Batch:	460-177165	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-177114	Lab File ID:	177107hg1.PRN
Dilution:	1.0	Leach Batch:	460-170300	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 1452	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 1200				
Leach Date:	07/12/2013 1346				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.20	U	5.00	4.90	98	75 - 125	

Duplicate - Batch: 460-177114

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	460-59196-A-43-F DU	Analysis Batch:	460-177165	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-177114	Lab File ID:	177107hg1.PRN
Dilution:	1.0	Leach Batch:	460-170300	Initial Weight/Volume:	30 mL
Analysis Date:	08/20/2013 1450	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/20/2013 1200				
Leach Date:	07/12/2013 1346				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.20	U	0.20	NC	20	U

Method Blank - Batch: 460-177333

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 460-177333/1-A	Analysis Batch:	460-177402	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-177333	Lab File ID:	177333hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/21/2013 1310	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/21/2013 1150				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

TCLP SPLPE Leachate Blank - Batch: 460-177333

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	LB 460-176924/1-H	Analysis Batch:	460-177402	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-177333	Lab File ID:	177333hg1.PRN
Dilution:	1.0	Leach Batch:	460-176924	Initial Weight/Volume:	30 mL
Analysis Date:	08/21/2013 1342	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/21/2013 1150				
Leach Date:	08/19/2013 1649				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

TCLP SPLPE Leachate Blank - Batch: 460-177333

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	LB 460-177186/1-C	Analysis Batch:	460-177402	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-177333	Lab File ID:	177333hg1.PRN
Dilution:	1.0	Leach Batch:	460-177186	Initial Weight/Volume:	30 mL
Analysis Date:	08/21/2013 1343	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/21/2013 1150				
Leach Date:	08/20/2013 1700				

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

Client: AKRF Inc

Job Number: 460-61467-1

Lab Control Sample - Batch: 460-177333

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 460-177333/2-A	Analysis Batch:	460-177402	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-177333	Lab File ID:	177333hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/21/2013 1312	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/21/2013 1150				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	5.05	101	80 - 120	

Matrix Spike - Batch: 460-177333

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	460-59614-A-5-N MS	Analysis Batch:	460-177402	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-177333	Lab File ID:	177333hg1.PRN
Dilution:	1.0	Leach Batch:	460-177186	Initial Weight/Volume:	30 mL
Analysis Date:	08/21/2013 1318	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/21/2013 1150				
Leach Date:	08/20/2013 1700				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.20	U	5.00	4.94	99	75 - 125	

Duplicate - Batch: 460-177333

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	460-59614-A-5-M DU	Analysis Batch:	460-177402	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-177333	Lab File ID:	177333hg1.PRN
Dilution:	1.0	Leach Batch:	460-177186	Initial Weight/Volume:	30 mL
Analysis Date:	08/21/2013 1315	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/21/2013 1150				
Leach Date:	08/20/2013 1700				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.20	U	0.20	NC	20	U

Method Blank - Batch: 460-176822

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 460-176822/1-A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/19/2013 1600	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.017	U	0.012	0.017

LCS-Certified Reference Material - Batch: 460-176822

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCSSRM	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/19/2013 1602	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	25.1	24.54	97.8	51.4 - 148.2	

Matrix Spike - Batch: 460-176822

Method: 7471A
Preparation: 7471A

Lab Sample ID:	460-61467-4	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/19/2013 1608	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.10	0.0870	0.192	106	75 - 125	

Client: AKRF Inc

Job Number: 460-61467-1

Duplicate - Batch: 460-176822

Method: 7471A
Preparation: 7471A

Lab Sample ID:	460-61467-4	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-176822	Lab File ID:	176822.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/19/2013 1606	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0950				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.10	0.0974	3	20	

Method Blank - Batch: 460-176824

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 460-176824/1-A	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-176824	Lab File ID:	176822.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/19/2013 1742	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0956				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.017	U	0.012	0.017

LCS-Certified Reference Material - Batch: 460-176824

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCSSRM	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-176824	Lab File ID:	176822.PRN
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/19/2013 1744	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0956				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	25.1	25.63	102.1	51.4 - 148.2	

Matrix Spike - Batch: 460-176824

Method: 7471A
Preparation: 7471A

Lab Sample ID:	460-61269-E-10-D MS	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-176824	Lab File ID:	176822.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/19/2013 1751	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0956				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.018	U	0.0904	0.0949	105	75 - 125	

Client: AKRF Inc

Job Number: 460-61467-1

Duplicate - Batch: 460-176824

Method: 7471A
Preparation: 7471A

Lab Sample ID:	460-61269-E-10-C DU	Analysis Batch:	460-176952	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-176824	Lab File ID:	176822.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/19/2013 1749	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/19/2013 0956				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.018	U	0.018	NC	20	U

Client: AKRF Inc

Job Number: 460-61467-1

Duplicate - Batch: 460-177078

Method: 1030
Preparation: N/A

Lab Sample ID:	460-61339-A-37 DU	Analysis Batch:	460-177078	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/20/2013 1000	Units:	mm/sec	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Burn Rate	2.20	U	2.20	NC	10	U

Method Blank - Batch: 460-177143

Method: 7196A
Preparation: 3060A

Lab Sample ID:	MB 460-177143/1-A	Analysis Batch:	460-177179	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-177143	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	08/21/2013 1222	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/20/2013 1158				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cr (VI)	2.0	U	0.50	2.0

Lab Control Sample Insoluble - Batch: 460-177143

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSI 460-177143/3-A	Analysis Batch:	460-177179	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-177143	Lab File ID:	N/A
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	08/21/2013 1222	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/20/2013 1158				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	708	664.7	94	80 - 120	

Lab Control Sample Soluble - Batch: 460-177143

Method: 7196A
Preparation: 3060A

Lab Sample ID:	LCSS 460-177143/2-A	Analysis Batch:	460-177179	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-177143	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	08/21/2013 1222	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/20/2013 1158				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	15.2	16.59	109	85 - 115	

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike Insoluble - Batch: 460-177143

Method: 7196A
Preparation: 3060A

Lab Sample ID:	460-61467-17	Analysis Batch:	460-177179	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-177143	Lab File ID:	N/A
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	08/21/2013 1222	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/20/2013 1158				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	2.2	U	781	674.3	86	75 - 125	

Matrix Spike Soluble - Batch: 460-177143

Method: 7196A
Preparation: 3060A

Lab Sample ID:	460-61467-17	Analysis Batch:	460-177179	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-177143	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	08/21/2013 1222	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/20/2013 1158				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cr (VI)	2.2	U	44.1	38.59	87	75 - 125	

Duplicate - Batch: 460-177143

Method: 7196A
Preparation: 3060A

Lab Sample ID:	460-61467-17	Analysis Batch:	460-177179	Instrument ID:	WetHexSpec
Client Matrix:	Solid	Prep Batch:	460-177143	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.50 g
Analysis Date:	08/21/2013 1222	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/20/2013 1158				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cr (VI)	2.2	U	2.2	NC	20	U

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-176706

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 460-176706/1-A	Analysis Batch:	460-176729	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-176706	Lab File ID:	OM_8-18-2013_11-23-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	08/18/2013 1135	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 2002				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	0.10	U	0.055	0.10

Low Level Control Sample - Batch: 460-176706

Method: 9012A
Preparation: 9012A

Lab Sample ID:	LLCS 460-176706/2-A	Analysis Batch:	460-176729	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-176706	Lab File ID:	OM_8-18-2013_11-23-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	08/18/2013 1136	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 2002				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	1.00	1.03	103	90 - 110	

High Level Control Sample - Batch: 460-176706

Method: 9012A
Preparation: 9012A

Lab Sample ID:	HLCS 460-176706/3-A	Analysis Batch:	460-176729	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-176706	Lab File ID:	OM_8-18-2013_11-23-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	08/18/2013 1137	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 2002				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	2.00	2.02	101	90 - 110	

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176706

Method: 9012A
Preparation: 9012A

MS Lab Sample ID:	460-61470-A-6-G MS	Analysis Batch:	460-176729	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-176706	Lab File ID:	OM_8-18-2013_11-23-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	08/18/2013 1138			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 2002				
Leach Date:	N/A				

MSD Lab Sample ID:	460-61470-A-6-H MSD	Analysis Batch:	460-176729	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-176706	Lab File ID:	OM_8-18-2013_11-23-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	08/18/2013 1139			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 2002				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyanide, Total	100	101	85 - 115	1	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176706

Method: 9012A
Preparation: 9012A

MS Lab Sample ID:	460-61473-A-6-I MS	Analysis Batch:	460-176729	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-176706	Lab File ID:	OM_8-18-2013_11-23-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	08/18/2013 1152			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 2002				
Leach Date:	N/A				

MSD Lab Sample ID:	460-61473-A-6-J MSD	Analysis Batch:	460-176729	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-176706	Lab File ID:	OM_8-18-2013_11-23-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	08/18/2013 1153			Final Weight/Volume:	5 mL
Prep Date:	08/17/2013 2002				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyanide, Total	96	93	85 - 115	3	10		

Client: AKRF Inc

Job Number: 460-61467-1

Method Blank - Batch: 460-176725

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 460-176725/1-A	Analysis Batch:	460-176740	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-176725	Lab File ID:	OM_8-18-2013_01-03-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	08/18/2013 1315	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	08/18/2013 1100				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	0.10	U	0.055	0.10

Low Level Control Sample - Batch: 460-176725

Method: 9012A
Preparation: 9012A

Lab Sample ID:	LLCS 460-176725/2-A	Analysis Batch:	460-176740	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-176725	Lab File ID:	OM_8-18-2013_01-03-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	08/18/2013 1316	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	08/18/2013 1100				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	1.00	1.01	101	90 - 110	

High Level Control Sample - Batch: 460-176725

Method: 9012A
Preparation: 9012A

Lab Sample ID:	HLCS 460-176725/3-A	Analysis Batch:	460-176740	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-176725	Lab File ID:	OM_8-18-2013_01-03-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	08/18/2013 1317	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	08/18/2013 1100				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	2.00	1.88	94	90 - 110	

Client: AKRF Inc

Job Number: 460-61467-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-176725

Method: 9012A
Preparation: 9012A

MS Lab Sample ID:	460-61377-E-1-C MS	Analysis Batch:	460-176740	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-176725	Lab File ID:	OM_8-18-2013_01-03-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	08/18/2013 1319			Final Weight/Volume:	5 mL
Prep Date:	08/18/2013 1100				
Leach Date:	N/A				

MSD Lab Sample ID:	460-61377-E-1-D MSD	Analysis Batch:	460-176740	Instrument ID:	Lachat3
Client Matrix:	Solid	Prep Batch:	460-176725	Lab File ID:	OM_8-18-2013_01-03-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.5 g
Analysis Date:	08/18/2013 1320			Final Weight/Volume:	5 mL
Prep Date:	08/18/2013 1100				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyanide, Total	88	88	85 - 115	0	10		

Method Blank - Batch: 460-177553 **Method: 9014**
Preparation: 7.3.3

Lab Sample ID:	MB 460-177553/1-A	Analysis Batch:	460-177555	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177553	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	08/22/2013 1100	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/22/2013 1000				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Cyanide, Reactive	25.0	U	25.0	25.0

Lab Control Sample - Batch: 460-177553 **Method: 9014**
Preparation: 7.3.3

Lab Sample ID:	LCS 460-177553/2-A	Analysis Batch:	460-177555	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177553	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	08/22/2013 1100	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/22/2013 1000				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Reactive	40.0	25.0	12	10 - 100	U

Duplicate - Batch: 460-177553 **Method: 9014**
Preparation: 7.3.3

Lab Sample ID:	460-61199-B-1-E DU	Analysis Batch:	460-177555	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177553	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	08/22/2013 1100	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/22/2013 1000				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cyanide, Reactive	25.0	U	25.0	NC	10	U

Method Blank - Batch: 460-177844

Method: 9014
Preparation: 7.3.3

Lab Sample ID:	MB 460-177844/1-A	Analysis Batch:	460-177847	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177844	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	08/23/2013 1630	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/23/2013 1030				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Cyanide, Reactive	25.0	U	25.0	25.0

Lab Control Sample - Batch: 460-177844

Method: 9014
Preparation: 7.3.3

Lab Sample ID:	LCS 460-177844/2-A	Analysis Batch:	460-177847	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177844	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	08/23/2013 1630	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/23/2013 1030				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Reactive	40.0	25.0	12	10 - 100	U

Duplicate - Batch: 460-177844

Method: 9014
Preparation: 7.3.3

Lab Sample ID:	460-61467-17	Analysis Batch:	460-177847	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177844	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	08/23/2013 1630	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/23/2013 1030				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cyanide, Reactive	25.0	U	25.0	NC	10	U

Method Blank - Batch: 460-177546

Method: 9034
Preparation: 7.3.4

Lab Sample ID:	MB 460-177546/1-A	Analysis Batch:	460-177547	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177546	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	08/22/2013 1100	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/22/2013 1000				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Sulfide, Reactive	20.0	U	13.0	20.0

LCS-Certified Reference Material - Batch: 460-177546

Method: 9034
Preparation: 7.3.4

Lab Sample ID:	LCSSRM	Analysis Batch:	460-177547	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177546	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	08/22/2013 1100	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/22/2013 1000				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfide, Reactive	62.6	53.60	85.6	49.4 - 139.0	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-177546

Method: 9034
Preparation: 7.3.4

MS Lab Sample ID:	460-61199-B-1-B MS	Analysis Batch:	460-177547	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177546	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	08/22/2013 1100			Final Weight/Volume:	50 mL
Prep Date:	08/22/2013 1000				
Leach Date:	N/A				

MSD Lab Sample ID:	460-61199-B-1-C MSD	Analysis Batch:	460-177547	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177546	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	08/22/2013 1100			Final Weight/Volume:	50 mL
Prep Date:	08/22/2013 1000				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfide, Reactive	48	45	40 - 150	7	10		

Method Blank - Batch: 460-177839

Method: 9034
Preparation: 7.3.4

Lab Sample ID:	MB 460-177839/1-A	Analysis Batch:	460-177840	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177839	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	08/23/2013 1630	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/23/2013 1030				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Sulfide, Reactive	20.0	U	13.0	20.0

LCS-Certified Reference Material - Batch: 460-177839

Method: 9034
Preparation: 7.3.4

Lab Sample ID:	LCSSRM	Analysis Batch:	460-177840	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177839	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	08/23/2013 1630	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/23/2013 1030				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfide, Reactive	62.6	51.55	82.4	49.4 - 139.0	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-177839

Method: 9034
Preparation: 7.3.4

MS Lab Sample ID:	460-61467-17	Analysis Batch:	460-177840	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177839	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	08/23/2013 1630			Final Weight/Volume:	50 mL
Prep Date:	08/23/2013 1030				
Leach Date:	N/A				

MSD Lab Sample ID:	460-61467-17	Analysis Batch:	460-177840	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	460-177839	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 g
Analysis Date:	08/23/2013 1630			Final Weight/Volume:	50 mL
Prep Date:	08/23/2013 1030				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfide, Reactive	65	63	40 - 150	3	10		

Method Blank - Batch: 460-177438

Method: 9045C
Preparation: N/A

Lab Sample ID:	MB 460-177438/2	Analysis Batch:	460-177438	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	08/21/2013 1722	Units:	SU	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	NONE	NONE
pH	6.090			
Corrosivity	6.090			

LCS-Certified Reference Material - Batch: 460-177438

Method: 9045C
Preparation: N/A

Lab Sample ID:	LCSSRM 460-177438/3	Analysis Batch:	460-177438	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	08/21/2013 1725	Units:	SU	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	7.03	7.010	99.7	98.0 - 102.0	
Corrosivity	7.03	7.010	99.7	98.0 - 102.0	

Duplicate - Batch: 460-177438

Method: 9045C
Preparation: N/A

Lab Sample ID:	460-60481-A-2 DU	Analysis Batch:	460-177438	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 g
Analysis Date:	08/21/2013 1730	Units:	SU	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	7.31	7.290	0.3	10	
Corrosivity	7.31	7.290	0.3	10	

Client: AKRF Inc

Job Number: 460-61467-1

Duplicate - Batch: 460-176904

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-61467-6	Analysis Batch:	460-176904	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/19/2013 1528	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	4.8	5.0	3	20	
Percent Solids	95.2	95.0	0.2	20	

Client: AKRF Inc

Job Number: 460-61467-1

Duplicate - Batch: 460-176914

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-61469-A-3 DU	Analysis Batch:	460-176914	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/19/2013 1556	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	10.9	9.7	11	20	
Percent Solids	89.1	90.3	1	20	

Client: AKRF Inc

Job Number: 460-61467-1

Duplicate - Batch: 460-176946

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-61467-20	Analysis Batch:	460-176946	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/19/2013 1750	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	12.1	13.1	8	20	
Percent Solids	87.9	86.9	1	20	

Client: AKRF Inc

Job Number: 460-61467-1

Duplicate - Batch: 460-176948

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-61469-A-2 DU	Analysis Batch:	460-176948	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/19/2013 1816	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	5.2	4.5	15	20	
Percent Solids	94.8	95.5	0.8	20	

TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custoc

460-61467 Chain of Custody

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Amy Jordan	Lab PM: Haas, Melissa	COC No: 460-37319-23959.1
Client Contact: Asya Bychkov	Phone: 610-405-2847	E-Mail: melissa.haas@testamericainc.com	Page:
Company: AKRF Inc			Job #: 61467
Address: 440 Park Avenue South	Due Date Requested:		
City: New York	TAT Requested (days): 5 Days		
State, Zip: NY, 10016			
Phone:	PO #:		
Email: abychkov@akrf.com	WO #:		
Project Name: Jewish Home Lifecare 11743	Project #: 46012697		
Site:	SSOW#:		

5-Day RUSH

SHORT HOLD

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	(Soils) 8260B	(Soils) 8270C, 6010B/7471A (TAL Met), 7196A, 8082, 8081A, Sulfur by 6010B	(Soils) TCLP RCRA Metals, 9012A, Reac CN, Reac S, NJEPH, 1030, 9045C	(Soils) Paint Filter (9095B)	(Soils) RCRA 8 Metals only (6010B/7471A)	(Soils) RCRA 8 Metals, 8270C, 8081A, 8082	(GW) 8260B, 8270C, 8081A, 8082, 6010B/7470A (Total & Lab-Filtered)	(Trip Blank) 8260B	Total Number of containers	Special Instructions/Note: See email for analytes.
			Preservation Code:				N	N	N	N	N	N	N	N		
TS-1	8/16/13	0800	G	S	N	N					X					-1
TS-2	8/16/13	802	G	S	N	N					X	X				-2
TS-3	8/16/13	0804	G	S	N	N					X					-3
TS-4	8/16/13	0806	G	S	N	N					X	X				-4
TS-5	8/16/13	0808	G	S	N	N					X					-5
TS-6	8/16/13	0810	G	S	N	N					X	X				-6
WC-4 top	8/15/13	1520	C	S	N	N	X	X	X							t=top -7
WC-4 bottom	8/15/13	1525	C	S	N	N	X	X	X							b=bottom -8
SB-4 top	8/15/13	1530	G	S	N	N					X					-9
SB-4 bottom	8/15/13	1532	G	S	N	N					X					-10
WC-5 top	8/15/13	1540	C	S	N	N	X	X	X							-11

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify) - **NY Category A package**

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:	
Relinquished by: Amy Jordan	Date/Time: 8/16/13 @1350	Company	Received by: [signature]	Date/Time: 8/16/13 13:45	Company: T.A.NY	
Relinquished by: [signature]	Date/Time: 8/16/13 16:40	Company: TA NYC	Received by: [signature]	Date/Time: 8/16/13 16:40	Company: TA Ed	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Custody Seals Intact: △ Yes △ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks			

1.7 / 1.C 1.7 / 1.C 1.7 / 1.C IR#5 WSC.J.

TestAmerica Edison

777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

TestAmerica — THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Amy Jordan	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-37319-23959.1
Client Contact: Asya Bychkov	Phone: 610-405-2847	E-Mail: melissa.haas@testamericainc.com		Page:
Company: AKRF Inc				Job #: 61467
Address: 440 Park Avenue South	Due Date Requested:			
City: New York	TAT Requested (days): 5 Days			
State, Zip: NY, 10016				
Phone:	PO #:			
Email: abychkov@akrf.com	WO #:			
Project Name: Jewish Home Lifecare 11743	Project #: 46012697			
Site:	SSOW#:			

Analysis Requested

Analysis columns:
1. Field Filtered Sample (Yes or No)
2. Perform MS/MSD (Yes or No)
3. (Soils) 8260B
4. (Soils) 8270C, 6010B/7471A (TAL Met), 7196A, 8082, 8081A, Sulfur by 6010B
5. (Soils) TCLP RCRA Metals, 9012A, Reac CN, Reac S, NJEPH, 1030, 9045C
6. (Soils) Paint Filter (9095B)
7. (Soils) RCRA 8 Metals only (6010B/7471A)
8. (Soils) RCRA 8 Metals, 8270C, 8081A, 8082
9. (GW) 8260B, 8270C, 8081A, 8082, 6010B/7470A (Total & Lab-Filtered)
10. (Trip Blank) 8260B

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered	MS/MSD	(Soils) 8260B	(Soils) 8270C...	(Soils) TCLP...	(Soils) Paint Filter	(Soils) RCRA 8 Metals only	(Soils) RCRA 8 Metals, 8270C...	(GW) 8260B...	(Trip Blank) 8260B					Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N	N	D	A	N	N	
WC-5 bottom	8/15/13	1545	C	S	N	N	X	X	X											b=bottom -11
SB-5 top	8/15/13	1550	g	S	N	N					X									t=top -12
SB-5 bottom	8/15/13	1555	g	S	N	N					X									-14
TW-2	8/15/13	1610	—	W	N	N							X							-15
TB	8/16/13	—	—	—	N	N								X						-16
WC-7 top	8/16/13	0930	C	S	N	N	X	X	X											-17
WC-7 bottom	8/16/13	0935	C	S	N	N	X	X	X											-18
SB-7 top	8/16/13	0940	g	S	N	N					X									-19
SB-7 bottom	8/16/13	0945	g	S	N	N					X									-20

Special Instructions/Note: See email for analytes

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify) - **NY Category A package**

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	8/16/13 @1350		[signature]	8/16/13 13:45	AKRF
[signature]	8/16/13 16:40	TA NYC	[signature]	8/16/13 16:40	TA Ed

Custody Seals Intact: △ Yes △ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

1.4/1.6 1.4/1.6 1.7/1.6 IR # 5 No CJ

TestAmerica Edison

777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Amy Jordan	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-37319-23959.1
Client Contact: Asya Bychkov	Phone: 610-405-2847	E-Mail: melissa.haas@testamericainc.com		Page:
Company: AKRF Inc				Job #: 6146 7
Address: 440 Park Avenue South	Due Date Requested:			
City: New York	TAT Requested (days): 5 Days			
State, Zip: NY, 10016				
Phone:	PO #:			
Email: abychkov@akrf.com	WO #:			
Project Name: Jewish Home Lifecare 11743	Project #: 46012697			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	(Soils) 8260B	(Soils) 8270C, 6010B/7471A (TAL Met), 7196A, 8082, 8081A, Sulfur by 6010B	(Soils) TCLP RCRA Metals, 9012A, Reac CN, Reac S, NJEPH, 1030, 9045C	(Soils) Paint Filter (9095B)	(Soils) RCRA 8 Metals only (6010B/7471A)	(Soils) RCRA 8 Metals, 8270C, 8081A, 8082	(GW) 8260B, 8270C, 8081A, 8082, 6010B/7470A (Total & Lab-Filtered)	(Trip Blank) 8260B						Total Number of containers	Special Instructions/Note: See email for analysis
			Preservation Code:				N	N	N	N	N	N	N	N	N	D	A	N	N		
WC-8 top	8/16/13	0930	C	S	N	N	X	X	X												t=top -21
WC-8 bottom	8/16/13	0935	C	S	N	N	X	X	X												b=bottom -22
SB-8 top	8/16/13	0940	G	S	N	N	X				X										-23
SB-8 bottom	8/16/13	0945	G	S	N	N	X				X										-24
WC-6 top	8/16/13	1130	C	S	N	N	X	X	X												-25
WC-6 bottom	8/16/13	1135	C	S	N	N	X	X	X												-26
SB-6 top	8/16/13	1140	G	S	N	N	X				X										-27
SB-6 bottom	8/16/13	1145	G	S	N	N	X				X										-28

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify) - **NY Category A package**

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: [signature]	Date/Time: 8/16/13 @ 1350	Company	Received by: [signature]	Date/Time: 8/16/13 1345	Company: TA-NY
Relinquished by: [signature]	Date/Time: 8/16/13 16:40	Company: T.A. NYC.	Received by: [signature]	Date/Time: 8/16/13 16:40	Company: TA Ed
Relinquished by	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

1.4/1.6 1.4/1.6 1.4/1.6 #R# J/N U C.I.

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TestAmerica Edison Receipt Temperature and pH Log

Job Number: 61467

Number of Coolers: 2 IR Gun #: 5

Temp. Cooler #1 (Deg C) (Raw/Corrected): 1.9/1.6 Temp. Cooler #4 (Deg C) (Raw/Corrected): 1.9/1.6 Temp. Cooler #7 (Deg C) (Raw/Corrected): 1.9/1.6

Temp. Cooler #2 (Deg C) (Raw/Corrected): Temp. Cooler #5 (Deg C) (Raw/Corrected): Temp. Cooler #8 (Deg C) (Raw/Corrected):

Temp. Cooler #3 (Deg C) (Raw/Corrected): Temp. Cooler #6 (Deg C) (Raw/Corrected): Temp. Cooler #9 (Deg C) (Raw/Corrected):

Sample No.	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	*Metals (pH<2)	Pest (pH 5-9)	PHC (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other
15				Z									

If pH adjustments are required record the information below:

Sample No(s). adjusted: NA

Preservative Name/Conc.: NA Volume of Preservative used (ml): NA

Lot # of Preservative: NA Expiration Date: NA

Project Manager and the Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 3, 10/8/12

Initials: KR Date: 8/17/13

08/30/2013

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Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-61467-1

Login Number: 61467

List Source: TestAmerica Edison

List Number: 1

Creator: Rivera, Kenneth

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6°C, 1.6°C, °C, IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-61467-1

Login Number: 61467
List Number: 1
Creator: McBride, Mike

List Source: TestAmerica Nashville
List Creation: 08/20/13 10:52 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	