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GaiaTech

CONFIDENTIAL

LIMITED PHASE II SITE INVESTIGATION

ENGINEERED CONTROLS INTERNATIONAL, LLC
100 REGO DRIVE
ELON, NORTH CAROLINA

PREPARED FOR

KIRKLAND & ELLIS LLP
WASHINGTON, D.C.

ON BEHALF OF

ENGINEERED CONTROLS INTERNATIONAL, LLC
ELON, NORTH CAROLINA

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Prepared by:

Larry P. Bertsch, PG
Senior Geologist - Project Manager

Technical Review and Concurrence by:

John H. Yang, CPG
VP, Investigation & Remediation

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EXECUTIVE SUMMARY

Kirkland and Ellis LLP retained GaiaTech Incorporated (GaiaTech) on behalf of Engineered Controls International, LLC (ECIL) to conduct a limited Phase II site investigation (Phase II) of the ECIL property located at 100 Rego Drive, Elon, Alamance County, North Carolina (the Site). The purpose of the Phase II was to evaluate whether significant subsurface impacts are present related to historical industrial operations conducted by Engineered Controls International, Inc. (ECII) at the Site.

The 13-acre site consists of an approximately 100,000-square-foot building that includes a manufacturing area (including a maintenance shop, compressor room, dipping line area, thermal deburring area, and wastewater treatment area), an engineering room addition (for product testing and R&D), an office area, and a former paint storage room. Asphalt-paved parking and driveways surround the site building. A covered and bermed hazardous waste storage area and fenced valve testing area are located near the southeastern corner of the site building. The eastern section of the site is densely wooded.

ECII was a manufacturer of valves for the LP gas industry. ECII activities at the site included assembly, testing, brazing, welding, thermal de-burring and surface cleaning of valve bodies (primarily brass) that were forged or cast at off-site facilities. Former ECII operations at the site included a trichloroethene (TCE) vapor degreaser and zinc plating lines.

GaiaTech conducted a Phase I Environmental Site Assessment (ESA) in 2010. According to the Phase I ESA Report, the site consisted of undeveloped or agricultural land from as early as 1951 until developed in 1964 for industrial purposes. Kardon Industries, Inc., a manufacturer of corrugated cardboard boxes, occupied the site from 1964 until 1980, when RegO Group acquired the site. ECII acquired the site in 1989. Kardon also utilized a rail spur that is still present to the south of the site building. Details regarding Kardon's operations at the site were not available because Kardon's operations pre-date current record keeping requirements.

ECII had generated large volumes of hazardous wastes including reactive wastes, waste tetrachloroethene (PCE), waste TCE, wastewater treatment sludge, and wastes containing chromium and lead since at least 1990. Although no violations were identified in connection with hazardous waste management at the site, the historical generation of chlorinated solvent wastes (waste PCE resulting from small-scale cleaning activities and waste TCE resulting from vapor degreasing activities), the historical operation of the zinc plating lines and the historical temporary storage of hazardous waste represented the potential for environmental impact. Products manufactured at the site since 1980 had not changed significantly; however, chemicals used and stored on site changed with the removal of the TCE vapor degreaser and zinc plating lines in the 1990s and 2000, respectively.

The Phase I ESA report identified the following Recognized Environmental Condition (REC) at the site:

- Former Site Operations including:

- Former TCE Vapor Degreaser,
- Former Plating Line, and
- Former Solvent-based Painting/Storage.

The Phase I ESA report identified the following noteworthy areas at the site:

- Subgrade Pits and Sumps including:
  - WWTP/dip tank line (with pits and trenches) and
  - Outside Hazardous Waste Storage Area (including sump)
- Uncertain Historical Operations (eastern forested area)
- Prior Occupant Operations

During the Phase II site activities, a vent line attached to the building wall was discovered indicating the existence of a possible underground storage tank (UST). Further investigation determined that the site formerly utilized an 8,000 gallon fuel oil UST located off the southwest corner of the building. Investigation of the former UST was included in this Phase II.

Between July 19 through 21, 2011, a total of 18 soil borings were installed with 10 of the borings converted to temporary groundwater well points and eight converted to permanent groundwater monitoring wells. Additionally, three hand auger borings were installed in the wooded area east of the site building. Twenty-six soil samples were selectively collected and analyzed for volatile organic compounds (VOCs), Semi-VOCs (SVOCs), total petroleum hydrocarbons (TPH) gasoline range organics and diesel range organics (GRO and DRO) and total Resource Conservation and Recovery Act (RCRA) metals. Three samples were also analyzed for hexavalent chromium. Eighteen groundwater samples were analyzed for VOCs, SVOCs, GRO, DRO, and dissolved RCRA metals with three samples analyzed for hexavalent chromium. Soil and groundwater sample results were compared to North Carolina Department of Environmental and Natural Resources (NCDENR) Preliminary Soil Remediation Goals (PSRGs) and Groundwater Quality Standards (GQS), respectively.

Detections of analytes above the screening PSRGs or GQS were considered a release from ECII operations. The location and type of the possible site releases and overall site conditions were evaluated to develop conclusions for the Phase II. The conclusions of the Phase II investigation are as follows:

For the identified REC:

- **Former Site Operations**

  Former TCE Vapor Degreaser – The presence of TCE, PCE and the degradation or daughter product Cis 1,2-Dichloroethene (Cis 1,2-DCE) in the groundwater and TCE in soil above the GQS and PSRGs are indicative of a historical release of chlorinated solvents from this operation. Elevated concentrations of GRO were detected above the non-UST petroleum action level in the groundwater samples collected from the former

degreasing area. No DRO or other GRO impacts were found. No other metal impacts were detected.

Former Plating Line – No metals were detected at concentrations above the PSRGs. The Phase II identified no evidence of a release of substances associated with the former Plating Operations.

Former Solvent Based Painting/Storage – The investigation did not identify any soil or groundwater impacts in this area.

For the additional noteworthy areas identified in the Phase I report or during the Phase II:

- **Subgrade Pits/Trenches and Sumps**

  WWTP/Dip Tank Line – Elevated concentrations of chlorinated solvent compounds, including TCE, PCE, and their associated breakdown daughter compound Cis 1,2-DCE, and TPH-GRO were detected above the GQS in all the monitoring wells in the areas of the former solvent degreaser, wastewater treatment plant/dip tanks, and associated pits and trenches. The presence of these compounds indicates a historical release from this general area. It is impossible to distinguish from the available data collected in the Phase I or Phase II, the source of release in this area (i.e. former TCE vapor degreaser unit or the WWTP/Dip Tank Line pits and trenches). The likely scenario is that releases from all the units, pits and trenches may have contributed to the historical impacts.

  Outside Hazardous Waste Storage Area – Dissolved lead was detected at concentrations above the GQS in groundwater north of this area in two (MW-6 and GP-11) of the three groundwater samples. Mercury and arsenic were detected at concentrations above the PSRGs in one soil sample collected near the hazardous waste storage area sump. The presence of the lead in groundwater and mercury and arsenic in the soil is indicative of a past release from materials stored at this area.

- **Uncertain Historical Operations (forested area):** Despite the existence of a steel drum and piles of construction debris, the limited surficial soil sampling investigation did not find any evidence of historical releases.

- **Prior Occupant Operations:** The investigation did not identify any soil or groundwater impacts that cannot be attributed to past ECII operations.

- **Former Underground Storage Tank:** There were no detections of TPH GRO or DRO above the applicable remediation standard. Given clean confirmatory results of soil samples generated at the time of the UST removal, a significant release from this area is unlikely.

In addition to the area-specific finding presented previously, the following general site conditions were identified:

- Low concentrations of selenium were detected in most of the soil samples, above the PSRGs for protection of groundwater, but below other PSRGs for other exposure pathways. The detection of selenium is believed to represent background conditions of the site.

- Bis(2-ethylhexyl)phthalate was detected above the GQS in a number of newly-installed permanent groundwater monitoring wells. This is likely indicative of cross contamination of new PVC well screens (this chemical commonly used in plasticizer/PVC manufacturer).

- Shallow groundwater was encountered in unconsolidated sandy clay and silts at depths between 27 and 38 feet below ground surface. Based on the surrounding topography, shallow groundwater is expected to flow northeast towards an unnamed intermittent creek located near the eastern property line. This Phase II environmental site investigation was designed only to evaluate the presence of past chemical releases into the subsurface and not to delineate the extent of soil and groundwater impacts. However, based on a lack of contaminant detections in the six perimeter wells (MW-1 through MW-6) it appears likely that the identified solvent and petroleum impacts are restricted within the property boundaries. There is no apparent site groundwater ingestion risk as the water service of the facility is municipally supplied and no drinking water wells are present at the property.

Based on the results of the limited Phase II site investigation, it appears that historical releases of chlorinated solvents, petroleum compounds and/or metals have occurred from the former TCE Vapor Degreasing operations (including the WWTP with the associated pits and trenches) and the Outside Hazardous Waste Storage Area.

1.0 INTRODUCTION

Kirkland and Ellis LLP retained GaiaTech Incorporated (GaiaTech) on behalf of Engineered Controls International, LLC (ECIL) to conduct a limited Phase II site investigation (Phase II) of the ECIL property located at 100 Rego Drive, Elon, Alamance County, North Carolina (the Site). The purpose of the Phase II was to evaluate whether significant subsurface impacts are present related to historical industrial operations conducted by Engineered Controls International, Inc. (ECII) at the Site.

1.1 Site Description and Background

The 13-acre site consists of an approximately 100,000-square-foot building that includes a manufacturing area (including a maintenance shop, compressor room, dipping line area, thermal deburring area, and waste water treatment plant [WWTP]), an engineering room addition (product testing and R&D) along the eastern side of the building, an office area, and a former paint storage room along the exterior of the southeastern corner of the building. Asphalt-paved parking and driveways surround the site building. A covered and bermed hazardous waste storage area and fenced valve testing area are located near the southeastern corner of the site building. The eastern section of the site is densely wooded.

ECII was a manufacturer of valves for the LP gas industry. ECII activities at the site included the assembly of primarily brass valve bodies that were forged or cast at off-site facilities along with miscellaneous parts (rubber seals, washers, knobs, springs, and pipes) that were also manufactured off site. Parts were assembled, tested, brazed, welded, thermally deburred, and Bright Dipped in manual or robotic operations. Thermal deburring was a semi-automated process in which valves were sealed in an air tight chamber that was flooded with a natural gas/oxygen mixture and ignited to burn off filings. Bright Dipping was a process to clean and treat the surface of parts (to remove an oxide layer resulting from thermal deburring) that included steps for alkaline cleaning, muriatic acid pickling, sulfuric/nitric acid cleaning, and chromate sealing. Ancillary ECII operations on site included operation of a WWTP, minor chemical testing in connection with the WWTP, spray painting (of parts in the ductile iron department), research and development, product testing, and equipment maintenance. Former ECII operations at the site included a trichloroethene (TCE) vapor degreaser and zinc plating lines.

GaiaTech conducted a Phase I Environmental Site Assessment (ESA) in 2010. According to the Phase I ESA Report, the site consisted of undeveloped or agricultural land from as early as 1951 until developed in 1964 for industrial purposes. Kardon Industries, Inc., a manufacturer of corrugated cardboard boxes, occupied the site from 1964 until 1980, when RegO Group acquired the site. ECII acquired the site in 1989. Kardon utilized a rail spur that is still present to the south of the site building. Details regarding Kardon's operations at the site were not available because Kardon's operations pre-date current record keeping requirements.

ECII had generated large volumes of hazardous wastes including reactive wastes, waste tetrachloroethene (PCE), waste TCE, wastewater treatment sludge, and wastes containing

chromium and lead since at least 1990. Although no violations were identified in connection with hazardous waste management at the site, the historical generation of chlorinated solvent wastes (waste PCE resulting from small-scale cleaning activities and waste TCE resulting from vapor degreasing activities), the historical operation of the zinc plating lines and historical temporary storage of hazardous waste represented the potential for environmental impact. Products manufactured at the site since 1980 had not changed significantly; however, chemicals used and stored on site changed with the removal of the TCE vapor degreaser and zinc plating lines.

1.2 Recognized Environmental Conditions and Noteworthy Areas

GaiaTech's Phase I ESA identified the following Recognized Environmental Condition (REC) in connection with the site:

- **Former Site Operations:** ECII historically utilized a TCE vapor degreaser, solvent-based paints, and a zinc plating line at the site.

  Former TCE Vapor Degreaser: The degreaser, which consisted of a 600-gallon tank, was formerly located in the shipping/receiving area along the eastern side of the site building. The degreaser was operated from 1980 until the 1990s when it was removed from the site. No releases in connection with this degreaser were reported by ECII or identified in available regulatory documentation. Given the duration of this unit's use on site, there was a potential for unreported spills, or small spills over time, to have resulted in chlorinated solvent impacts on site.

  Former Plating Line: A zinc plating line was operated from 1980 until 2000. Operation of this line would have likely required the use and storage of various acids, caustics, and zinc containing coatings. This line historically operated in the area east of the current WWTP/Bright Dip area. No obvious staining or evidence of significant releases was identified in the vicinity of this former line; however, this area was considered to have a potential for historical spills or releases to have resulted in subsurface impacts.

  Former Solvent-based Painting/Storage: Solvent-based paints were used from 1980 through 1997. GaiaTech observed paint staining on the ramped entrance to the former paint storage room (that opens to the exterior of the building). No obvious staining was observed on the ground surface near the paint storage room: paint storage in this area ceased in 1997. This area was considered to have a potential for historical paint releases to have resulted in subsurface impacts.

The Phase I also identified the following noteworthy areas relating to ECII's site operations:

- **Subgrade Pits/Trenches and Sumps:**

  WWTP/dip tank line: Subgrade areas identified at the site included wastewater collection pits and trenches in the WWTP/Bright Dip line tank area. The pits and

trenches were installed in 1981. ECII emptied/inspected the wastewater pits every two years and relined the pits (with a fiberglass resin) every ten years. According to Site Personnel interviewed during the Phase I, no damage or cracks had been identified during inspections. Given the frequency of historical inspection and maintenance, the potential for significant impacts resulting from releases from these subgrade structures appeared low; however, no subsurface samples had been collected to confirm if historical releases had occurred.

Outside Hazardous Waste Storage Area: ECII generated hazardous wastes including metal hydroxide sludge (F006) generated from wastewater treatment operations, corrosive waste (D002 and D008) in the form of sludge collected from the Bright Dip line, spent parts washer solvent (F002), and waste paint. Metal hydroxide sludge was collected in super sacks in the WWTP area by an automated process. This waste was temporarily stored in the outside hazardous waste storage area. The area was bermed and contained a sump that collected liquids that accumulated in the hazardous waste storage area. No leaking or damaged containers were observed by GaiaTech. ECII inspected the hazardous waste area sump regularly. The sump did not regularly hold any liquids and appeared to be in good condition. In addition, non-hazardous wastes generated by ECII included used oil, universal wastes, aqueous paint, scrap metal, cardboard, wooden pallets, and general refuse. No significant staining was observed in the vicinity of the dumpsters or other waste storage areas.

- **Uncertain Historical Operations:** The eastern portion of the site appeared to have been cleared in stages in the 1960s and 1970s, after the site building had been developed, from a previously wooded condition. No structures appeared to have been constructed on this portion of the site. The nature of historical operations in this area could not be discerned. Available aerial photographs did not suggest detrimental uses such as landfilling or chemical storage on this area. Though uses of this area were uncertain, the potential for significant environmental impacts related to historical clearing activities appeared low.

- **Prior Occupant Operations:** Little information related to chemical use and waste generation by Kardon was available. There was a potential for solvent based inks, adhesives, and/or cleaners to have been utilized in historical manufacturing operations. Additionally, petroleum products may have been utilized in connection with equipment maintenance. No records of chemical storage or releases were identified in connection with Kardon because Kardon's operations pre-dated current record keeping requirements. There was a potential for any historical spills or releases by this prior occupant to have resulted in environmental impacts on site.

Other noteworthy areas that were evaluated during the Phase II include:

- **Former Underground Storage Tank:** During the Phase II site activities, a vent line attached to the building wall was discovered suggesting the potential presence of an UST. Further investigation determined that the site formerly utilized an 8,000 gallon

fuel oil underground storage tank (UST) located off the southwest corner of the building. According to newly found documentation, the UST was removed in 1991 and three base-of-excavation soil samples were collected and analyzed for TPH and oil and grease. The results indicated that there were no apparent impacts to the soil; however no groundwater sample was collected.

No other potential for environmental impact from historical uses of the site was identified.

1.3 Scope of Work

GaiaTech developed a Limited Phase II scope of work to investigate potential soil and groundwater impacts associated with historical site operations. Between July 19 and 21, 2011, a total of 18 soil borings were installed with 10 of the borings converted to temporary groundwater well points and eight converted to permanent groundwater monitoring wells. Additionally, three hand auger borings were installed in the wooded area east of the site building. Soil samples were collected and analyzed for the following indicator parameters: volatile organic compounds (VOCs) plus tentatively identified compounds (TICs), Semi-VOCs (SVOCs)+TICs, total petroleum hydrocarbons (TPH) gasoline range organics and diesel range organics (GRO/DRO) and total Resource Conservation and Recovery Act (RCRA) metals. Two soil samples were also analyzed for hexavalent chromium. Groundwater samples were analyzed for the following indicator parameters: VOCs+TICs, SVOCs+TICs, TPH-GRO/DRO and dissolved RCRA metals.

1.4 Geology and Hydrogeology

The 7.5-minute topographic map of the area (*Gibsonville, North Carolina Quadrangle*, 1998) indicated that the site is located at an approximate elevation of approximately 685 to 720 feet above mean sea level. The geologic map of North Carolina indicated that bedrock in the area consists of metamorphosed diorite found at an undetermined depth.

During the GaiaTech investigation, one to three feet of fill material or disturbed soils consisting of sand and gravel or other fill was encountered. Underlying the fill material was a red or yellow and red clayey silt or silty clay. In some cases, this unit was underlain by a tan or white sandy clay or sandy silt unit to the maximum depth explored, 45 feet below ground surface. Shallow groundwater was encountered at depths between 27 and 38 feet below ground surface (bgs). The boring logs from this investigation are presented in Appendix A.

Shallow groundwater flow typically mimics surface topography and flows toward the nearest body of water. Based on the surrounding topography, shallow groundwater is expected to flow northeast towards an unnamed intermittent Creek located near the eastern property line (past the site forested area).

2.0 SOIL SAMPLING

2.1 Methodology

Drilling Activities

Prior to drilling activities, GaiaTech completed a subsurface utility clearance through North Carolina One Call Underground Protection Service. On July 18, 2011, a private line locator was used to locate any potentially buried utilities near the proposed boring locations for safety purposes. The drilling contractor (Carolina Soil Investigations) advanced and installed a total of 21 soil borings; 18 of which were converted to 10 temporary groundwater well points and eight permanent monitoring wells (as shown on Figure 2).

Each of the soil borings was advanced using a Geoprobe® sampling unit. Continuous soil samples were collected utilizing 5-foot stainless steel sampling tubes lined with acetate sample liners. Upon retrieval from the sampling tube, each soil sample was visually inspected for logging purposes and visible evidence of contamination. A portion of the soil sample was placed into a plastic bag for field-screening (described further in the next paragraph) and classification prior to collecting a soil sample for laboratory analysis. Soil characteristics such as soil type, color, moisture, consistency, grain size, odor, and plasticity were recorded on soil boring logs. After the completion of each boring/temporary well, the boring was backfilled with bentonite and where paved, patched with asphalt or concrete to grade.

Soil Screening and Logging

Each of the soil samples was screened for ionizable volatile organics contamination using a Mini-Rae photo-ionization detector (PID) equipped with a 10.6eV lamp, calibrated to a 100 parts per million - volumetric (ppmv) isobutylene standards. The field screening was used to provide an indication of the potential presence of VOCs to aid in the selection of samples for laboratory analysis. Specific PID field screening procedures were as follows:

- The soil sample was placed in a sample bag.
- The soil boring number and sample depth was written on the sample bag.
- The sample was allowed to warm to ambient temperatures.
- The PID was utilized to draw the headspace from above the soil-air interface.
- The maximum PID reading was recorded on each respective soil boring log.

Boring logs from the investigation are presented in Appendix A. Photographs of the site and investigation activities are included as Appendix B.

Soil Sampling

Select soil samples were collected and analyzed to identify potential soil impacts related to the historical operations. All soil samples were analyzed for the following indicator parameters: VOCs+TICs, SVOCs+TICs, TPH GRO/DRO and total RCRA metals, unless otherwise noted.

Each collected sample was placed in appropriate laboratory supplied bottles. The samples were then secured in a sample cooler and preserved with ice. Under strict sample chain-of-custody procedures, the samples were delivered to Environmental Science Corporation (ESC), a North Carolina Department of Environment and National Resources (NCDENR) accredited laboratory.

Decontamination

Upon completion of soil boring and sampling activities, and between uses to avoid cross contamination, all downhole soil boring and non-dedicated sampling equipment was decontaminated using an Alconox®/water wash and scrubbing, followed by a water rinse. Once the last soil samples were collected and the temporary well pulled, the borehole was back-filled with bentonite, and the surface was restored (to the extent feasible) to its original condition or a permanent well was installed. Photographs of the field activities are presented in Appendix B.

2.2 Soil Standards

To determine if a REC or noteworthy area had any historical releases, each sample result was screened against a published screening standard, typically established by the State in which the Site is located. For this Site, soil sample laboratory results were compared to the NCDENR Preliminary Soil Remediation Goals (PSRG), published for the Inactive Hazardous Sites Program. These PSRGs include the EPAs Remediation Screening Limits (RSLs) for soil and tap water, federal drinking water standards Maximum Concentration Limits (MCLs), NC Groundwater Protection Standard 2L (IMAC) and Csat. PSRGs are listed for residential and industrial property scenarios as well as protection of groundwater scenarios. For this evaluation, samples were compared to all three scenarios. In cases where petroleum impacts were suspected, detections were also compared to the NCDENR's TPH action levels for non-UST petroleum releases, for industrial sites. Any resultant concentrations found above the PSRGs or TPH action limits will suggest a historical release. The results of this investigation along with applicable PSRGs and TPH action levels are listed in Table 1.

2.3 Soil Investigation Results

A total of 26 soil samples were collected for analysis. A summary of the soil analytical results is presented as Table 1, with the complete laboratory analytical reports included as Appendix C. The soil sample results are briefly described below:

- **Former Site Operations**

  Former TCE Vapor Degreaser – Three soil borings (GP-1, GP-2 and MW-7) were installed to investigate this area. Moderate solvent odors were observed and slightly elevated PID readings (above background) of up to 59.7 ppmv were recorded. Soil samples were selected based on these elevated PID readings and analyzed for indicator parameters. One sample (GP-2, 5-7') was also analyzed for hexavalent chromium.

The laboratory results indicated that no SVOCs or RCRA metals were detected in excess of the industrial PSRGs, with the exception of the selenium, whose concentration exceeded the PSRGs for the protection of groundwater at all 3 borings. Trichloroethene (TCE) was also detected in two of the three boring locations above the PSRGs for the protection to groundwater. No other VOCs were detected to be above the PSRGs.

Former Plating Line – Two soil borings (GP-3 and GP-6) were installed to investigate this area. Moderate solvent odors were observed and elevated PID readings (above background) of up to 68 ppmv. Soil samples were selected based on these elevated PID readings and analyzed for VOCs, SVOCs, TPH-GRO/DRO and total RCRA metals). Zinc was analyzed in the soil sample collected from GP-3.

The laboratory results indicated that no significant VOCs, SVOCs or metals were detected in excess of the industrial PSRGs, with the exception of the selenium, whose concentrations exceeded PSRGs for the protection of groundwater.

Former Solvent Based Painting/Storage - Two soil borings (GP-9 and MW-5) were installed to investigate this area. No odors, elevated PID readings or suspect staining was observed in either boring. Soil samples were collected and analyzed for indicator parameters.

The laboratory results indicated that no VOCs, SVOCs or metals were detected in excess of the industrial PSRGs, with the exception of the selenium, whose concentration exceeded PSRGs for the protection of groundwater in both samples.

- **Subgrade Pits/Trenches and Sumps**

WWTP/Dip Tank Line – Five soil borings (GP-4 through GP-8) were installed to investigate this area. Moderate solvent odors were observed and elevated PID readings (above background) of up to 37 ppmv were recorded. Soil samples were selected based on these elevated PID readings and analyzed for indicator parameters. One sample (GP-6) was also analyzed for hexavalent chromium and one sample (GP-5) was also analyzed for zinc.

The laboratory results indicated that no VOCs, SVOCs or metals were detected above the industrial PSRGs, with the exception of the selenium, whose concentration exceeded the PSRGs for protection of groundwater at most boring locations. TPH-GRO and DRO concentrations were found to exceed action levels related to non-UST petroleum releases.

Outside Hazardous Waste Storage Area – Three soil borings (GP-10, GP-11 and MW-6) were installed to investigate this area. Borings GP-10 and MW-6 were installed adjacent to the hazardous waste storage building and Boring GP-11 was installed

adjacent to the hazardous waste storage area sump. No odors, elevated PID readings or suspect staining were observed in any of the borings. Soil samples were collected and analyzed for indicator parameters.

The laboratory results indicated that no VOCs or SVOCs were detected above the industrial PSRGs. Selenium was detected in all borings above the PSRGs for the protection of groundwater. Arsenic exceeded the industrial soil PSRGs and mercury exceeded both the residential and protection of groundwater PSRGs at GP-10.

- **Uncertain Historical Operations (forested area):** Three shallow soil borings (HA-1, HA-2 and HA-3) were installed to investigate this area. HA-1 was installed adjacent to an empty abandoned drum and HA-2 and HA-3 were installed in the forested area. Near HA-1, several low piles of overgrown construction debris were also observed. Soil samples were collected and analyzed for VOCs, SVOCs, TPH-GRO/DRO and total RCRA metals.

  The laboratory results indicated that no VOCs or SVOCs were detected above the industrial PSRGs. Selenium was detected in all borings at concentrations in excess of the protection of groundwater.

- **Prior Occupant Operations** – Four soil borings (MW-1 through MW-4) were installed around the site building to investigate this area. Boring MW-4 was also used to investigate the soil conditions adjacent to the former fuel oil UST. Soil samples were collected and analyzed for VOCs, SVOCs, and total RCRA metals.

  The laboratory results indicated that no VOCs or SVOCs were detected above the industrial PSRGs. Selenium was detected in all borings at concentrations above the protection of groundwater PSRGs.

- **Former Underground Storage Tank:** Boring MW-4 was used to investigate the soil conditions adjacent to the former fuel oil UST. Soil samples were collected and analyzed for indicator parameters.

  The laboratory results indicated that no VOCs or SVOCs were detected above the industrial PSRGs. Selenium was detected at a concentration above the protection of groundwater PSRGs.

2.4 Discussion

The overall investigation results identify no active/ongoing sources of soil contamination. Concentrations of TCE, detected in two soil samples (GP-2 and MW-7) collected from the former degreaser area, exceeded the PSRGs for protection of groundwater, suggest that chlorinated solvents have been released into the subsurface from former solvent degreasing operation. No other VOCs were detected at concentrations above the PSRGs.

Both TPH-GRO and TPH-DRO were not detected in any of the soil samples at concentrations above the action levels for non-UST petroleum releases. There is no evidence of any significant historical releases of petroleum compounds in the soil.

Soil analytical results identify no SVOCs in any of the soil borings in excess of the PSRGs.

Concentrations of mercury and arsenic were detected above the PSRGs for industrial and protection of groundwater in only one sample collected from near the hazardous waste storage area sump. Low concentrations of selenium were detected in most of the soil samples, above the PSRGs for protection of groundwater PSRGs, but below the PSRGs for other exposure pathways. It appears likely that the selenium detections represent background conditions of the site. No other overall metals impacts were found.

3.0 GROUNDWATER SAMPLING

3.1 Methodology

Seven 2-inch diameter permanent monitoring wells (MW-1 through MW-7), one 1-inch diameter permanent monitoring well and 10 temporary groundwater well points were installed to assess the groundwater conditions at the site. The approximate locations of the borings/wells are shown on Figure 2. The complete soil boring logs/well construction diagrams are included as Appendix A.

The permanent groundwater monitoring wells and the temporary groundwater well points were screened to intercept the shallow groundwater table beneath the site utilizing a 10-foot PVC well screen. Modified low flow sampling techniques were utilized to collect groundwater samples from each well. Groundwater samples were collected using a flow controlled submersible pump or check valve and dedicated disposable plastic tubing. Approximately one to five gallons of water were purged from each well prior to sampling. Purging was considered complete when the water became relatively clear and free of sediment. Groundwater samples were collected following the purging of the well and transferred into the appropriate laboratory supplied bottles with proper preserves where necessary. Dissolved metals portion of the groundwater samples were filtered using of a 0.45 μm pore size filter prior to collection. All of the samples were then secured in a sample cooler and preserved with ice. Under strict sample chain-of-custody procedures, the samples were delivered to the certified laboratory, ESC. Samples were analyzed for the following indicator parameters: VOCs+TICs, SVOCs+TICs, TPH GRO/DRO, and dissolved RCRA metals, unless otherwise noted.

3.2 Groundwater Screening Standards

Groundwater sample laboratory results were compared to the NCDENR's Division of Water Quality's water quality standards listed under North Carolina Administrative Code (NCAC) Title 15A, Subchapter 2L and the NCDENR's PSRGs table. The results of this investigation along with applicable groundwater quality standards (GQS) are listed in Table 2. The laboratory analytical report is provided in Appendix C.

3.3 Groundwater Investigation Results

Shallow groundwater was encountered at each of the 18 borings between 27 and 38 feet bgs. A groundwater sample was collected from each well, for a total of 18 groundwater samples. Groundwater analytical results are presented on Table 2 and the laboratory analytical report included in Appendix C. The sampling results are summarized below for each REC or noteworthy area:

- **Former Site Operations**

  Former TCE Vapor Degreaser – Two permanent monitoring wells and one temporary well point (GP-2, MW-7 and GP-1, respectively) were installed to investigate this area.

Groundwater samples were collected from each well/well point and analyzed for indicator parameters.

The laboratory analytical results indicated that no metals were detected above the GQS. Concentration of TPH-GRO was detected above of the GQS in all 3 groundwater samples. Three VOCs (TCE, PCE, and cis-1,2-dichloroethene (DCE)) concentrations were also detected above the GQS. No other VOCs compounds were detected above the GQS. One SVOC, bis(2-ethylhexyl)phthalate, was detected in a concentration above the GQS in MW-7 sample. No other SVOCs or metals were detected above the respective GQS.

Former Plating Line – Two temporary groundwater well points (GP-3 and GP-6) were installed to investigate this area. Groundwater samples were collected and analyzed for indicator parameters.

The laboratory analytical results indicated that two VOCs (PCE and TCE) were detected in excess of the GQS. No other VOCs were detected above the GQS. No SVOCs or metals were detected above of the respective GQS.

Former Solvent Based Painting/Storage – One temporary well point and one permanent monitoring well (GP-9 and MW-5) were installed to investigate this area. Groundwater samples were collected from each well point/well and analyzed for indicator parameters.

The laboratory results indicated that no VOCs or metals were detected above the GQS. One SVOC, bis(2-ethylhexyl)phthalate, was detected in a concentration above the GQS in MW-5 sample. No other SVOCs were detected above the GQS.

- **Subgrade Pits/Trenches and Sumps**

WWTP/Dip Tank Line – Five temporary groundwater well points (GP-4 through GP-8) were installed to investigate this area. Groundwater samples were collected from each and analyzed for the indicator parameters.

The laboratory analytical results indicated that two VOCs (PCE and TCE) concentrations were detected above the GQS from all five groundwater samples collected in the area. An additional VOC, bromodichloromethane, was detected in concentrations above the GQS at GP-5. No other VOCs and no SVOCs or metals were detected at concentrations above the GQS.

Outside Hazardous Waste Storage Area – Two temporary groundwater well points and one permanent monitoring well (GP-10, GP-11 and MW-6) were installed to investigate this area. Groundwater samples were collected in each and analyzed for indicator parameters.

The laboratory analytical results indicated that no VOCs concentrations were detected above the GQS. Dissolved lead and SVOC compound, bis(2-ethylhexyl)phthalate, were detected in two samples (MW-6 and GP-11) at concentrations above the GQS. No other indicator parameters were detected above the GQS.

- **Uncertain Historical Operations (forested area):** No groundwater samples were collected in this area, due to the inaccessibility of the mechanized drilling equipment

- **Prior Occupant Operations** – Four permanent monitoring wells (MW-1 through MW-4) were installed around the site building perimeter to investigate this issue, in additional to the results obtained from other samples. Well MW-4 was also used to evaluate the groundwater conditions adjacent to the former fuel oil UST. Groundwater samples were collected and analyzed for indicator parameters.

  The laboratory results indicated that no VOCs, TPH-GRO, TPH-DRO or metals were detected at concentrations above the GQS. Low levels of one SVOC, bis(2-ethylhexyl)phthalate, were detected at concentrations above the GQS in MW-2 and MW-3. No other SVOCs were detected above the GQS.

- **Former Underground Storage Tank:** MW-4 was used to evaluate the groundwater conditions adjacent to the former fuel oil UST. A groundwater sample was collected and analyzed for the indicator parameters

  The laboratory results indicated that no VOCs, TPH-GRO, TPH-DRO or metals were detected at concentrations above the GQS.

3.4 Discussion

The overall investigation results identified elevated concentrations of chlorinated solvent compounds, including TCE and PCE, above the GQS in all the wells in the vicinity of the former TCE Vapor Degreaser, WWTP/dip tanks and associated trenches. Concentrations of TPH-GRO were also detected at levels exceeding the non-UST petroleum action level in the former degreasing area. These detections suggest that the former solvent degreasing operations have released chlorinated solvents and petroleum compounds to the subsurface. No other VOCs, with the exceptions of bromodichloromethane (which is believed to be a laboratory artifact), were detected at GP-5.

Dissolved lead was detected at two locations (adjacent to the hazardous waste storage area and pit/sump) above the GQS. Additionally, bis(2-ethylhexyl)phthalate was also detected in six of seven permanent groundwater monitoring wells and one temporary well point above of the GQS. The detection of this SVOC compound is likely an artifact related to the use of PVC monitoring wells. Bis(2-ethylhexyl)phthalate is commonly used as a commercial plasticizer.

4.0 CONCLUSIONS

GaiaTech has completed the Limited Phase II Site Investigation at the ECIL site located at 100 Rego Drive, in Elon, North Carolina. Between July 19 through 21, 2011, a total of 18 soil borings were installed with 10 of the borings converted to temporary groundwater wells points and eight converted to permanent monitoring wells. Additionally, three hand auger borings were installed in the wooded area east of the site building. Twenty-two soil samples were selectively collected and analyzed for VOCs, SVOCs, TPH GRO/DRO and RCRA metals. Three samples were additional tested for hexavalent chromium. Eighteen groundwater samples were analyzed VOCs, SVOCs, and TPH GRO/DRO and dissolved RCRA metals. Additionally, 3 samples were also tested for hexavalent chromium.

Soil and groundwater sample results were compared to North Carolina Department of Environmental and Natural Resources (NCDENR) Preliminary Soil Remediation Goals (PSRGs) and Groundwater Quality Standards (GQS), respectively.

Detections of analytes above the screening PSRGs or GQS were considered a release from the operations. The location and type of the possible site releases and overall site conditions were evaluate to develop conclusions for the Phase II. The conclusions of the Phase II investigation are as follows:

For the identified REC:

- **Former Site Operations**

  Former TCE Vapor Degreaser – The presence of TCE, PCE and the degradation or daughter product Cis 1,2-Dichloroethene (Cis 1,2-DCE) in the groundwater and TCE in soil above the GQS and PSRGs are indicative of a historical release of chlorinated solvents from this operation. Elevated concentrations of GRO were detected above the non-UST petroleum action level in the groundwater samples collected from the former degreasing area. No DRO or other GRO impacts were found. No other metal impacts were detected.

  Former Plating Line – No metals were detected at concentrations above the PSRGs. The Phase II identified no evidence of a release of substances associated with the Plating Operations.

  Former Solvent Based Painting/Storage – The investigation did not identify any soil or groundwater impacts in this area.

For the additional noteworthy areas identified in the Phase I report or during the Phase II:

- **Subgrade Pits/Trenches and Sumps**

  WWTP/Dip Tank Line – Elevated concentrations of chlorinated solvent compounds, including TCE, PCE, and their associated breakdown daughter compound Cis 1,2-DCE, and TPH-GRO were detected above the GQS in all the monitoring wells in the areas of the former solvent degreaser, wastewater treatment plant/dip tanks, and associated pits and trenches. The presence of these compounds indicates a historical release from this general area. It is impossible to distinguish from the available data collected in the Phase I or Phase II the source of release in this area (i.e. former TCE vapor degreaser unit or the WWTP/Dip Tank Line pits and trenches). The likely scenario is that releases from all the units, pits and trenches may have contributed to the historical impacts.

  Outside Hazardous Waste Storage Area – Dissolved lead was detected at concentrations above the GQS in groundwater north of this area in two (MW-6 and GP-11) of the three groundwater samples. Mercury and arsenic were detected at concentrations above the PSRGs in one soil sample collected near the hazardous waste storage area sump. The presence of the lead in groundwater and mercury and arsenic in the soil is indicative of a past release from materials stored at this area.

- **Uncertain Historical Operations (forested area):** Despite the existence of a steel drum and piles of construction debris, the limited surficial soil sampling investigation did not find any evidence of historical releases.

- **Prior Occupant Operations:** The investigation did not identify any soil or groundwater impacts that cannot be attributed to past ECII operations.

- **Former Underground Storage Tank:** There were no detections of TPH GRO or DRO above the applicable remediation standard. Given clean confirmatory results of soil samples generated at the time of the UST removal, a significant release from this area is unlikely.

In addition to the area-specific finding presented previously, the following general site conditions were identified:

- Low concentrations of selenium were detected in most of the soil samples, above the PSRGs for protection of groundwater, but below other PSRGs for other exposure pathways. The detection of selenium is believed to represent background conditions of the site.

- Bis(2-ethylhexyl)phthalate was detected above the GQS in a number of newly-installed permanent groundwater monitoring wells. This is likely indicative of cross contamination of new PVC well screens (this chemical commonly used in plasticizer).

- Shallow groundwater was encountered in unconsolidated sandy clay and silts at depths between 27 and 38 feet below ground surface. Based on the surrounding topography, shallow groundwater is expected to flow northeast towards an unnamed intermittent Creek located near the eastern property line. This Phase II environmental site investigation was designed only to evaluate the presence of past chemical releases into the subsurface and not to delineate the extent of soil and groundwater impacts. However, based on a lack of contaminant detections in the six perimeter wells (MW-1 through MW-6) it appears likely that the identified solvent and petroleum impacts are restricted within the property boundaries. There is no apparent site groundwater ingestion risk as the water service of the facility is municipally supplied and no drinking water wells are present at the property.

Based on the results of the limited Phase II site investigation, it appears that historical releases of chlorinated solvents, petroleum compounds and metals have occurred in the vicinity of the former TCE Vapor Degreasing operations (including the WWTP with the associated pits and trenches) and the Outside Hazardous Waste Storage Area.

5.0 LIMITATIONS

This report is prepared for the sole benefit of Engineered Controls International, LLC. and not be relied upon by any other person or entity. This report and the findings shall not, in whole or in part, be distributed or transmitted to any other party, nor used by any other party, without the prior written consent of GaiaTech and an authorized representative of Engineered Controls International, LLC.

GaiaTech has conducted these professional services in accordance with current scientific principles and industrial standards of practices in the fields of environmental science and engineering on the date the work was conducted and in the same geographical area of the subject site for similar studies. GaiaTech's findings and recommendations must be considered as professional opinions based upon the limited data collected during the course of the environmental site investigation, which is limited in time and scope. GaiaTech makes no warranty, express or implied.

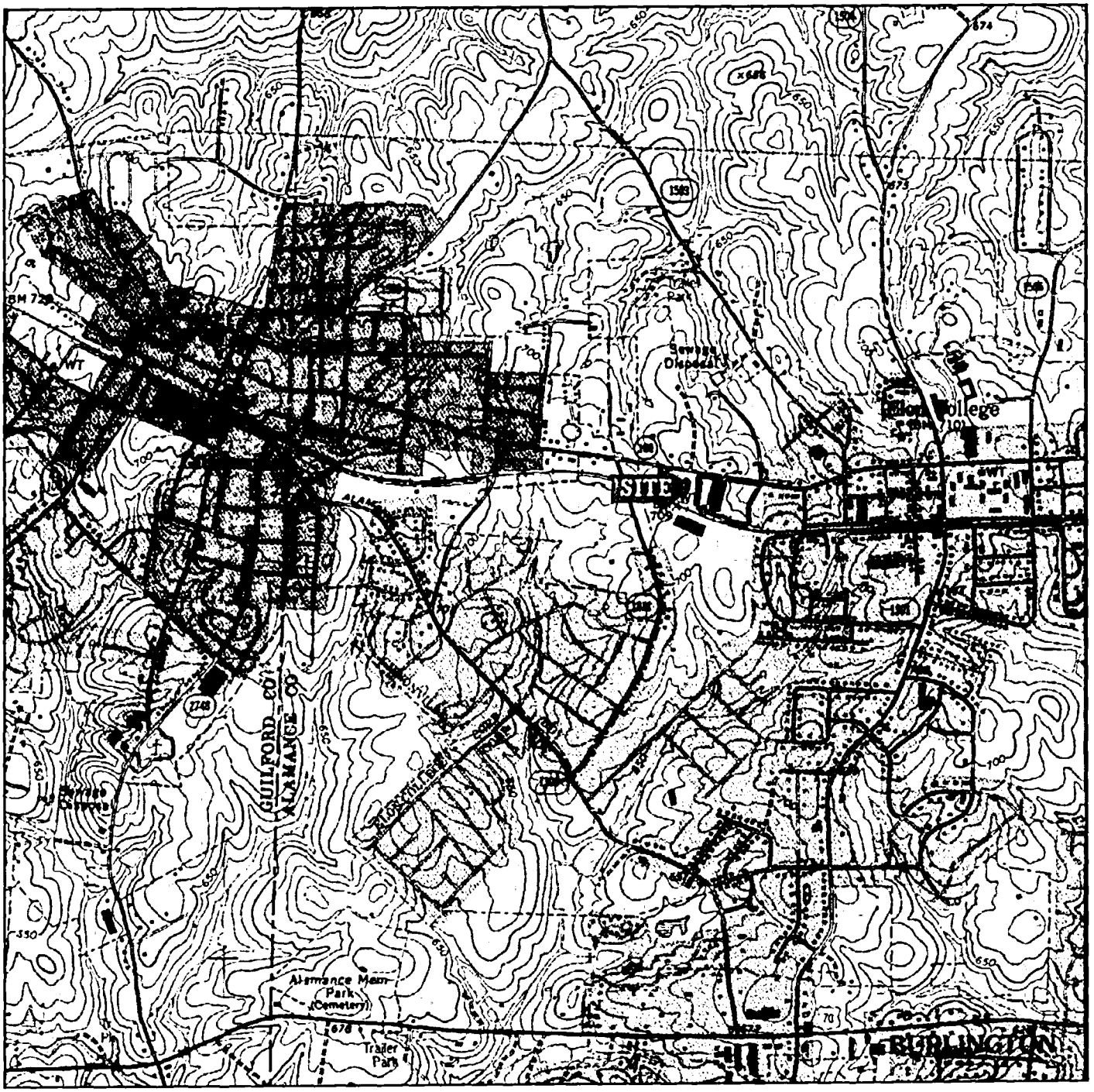
Only a limited number of soil and groundwater samples were collected from widely spaced soil borings. The variations among these samples and results may not become evident until further investigation. In the event that more data are available, it may be necessary to re-assess the conditions of the subject site in order to revise the conclusions and recommendations contained in this report.

Independent laboratories have performed analytical laboratory analyses. GaiaTech has derived the findings and recommendations, in part, from the analytical reports. These findings are contingent upon the validity of the analytical reports.

Limited soil and groundwater samples were analyzed for specific parameters as detailed in the report. Other chemical compounds, which were not analyzed for, may exist at the site, although unlikely based upon available information.

Figure 1

Site Location Map



Scale 1: 24 000

Contour Interval 10 Feet

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

Quadrangle Location

UNITED STATES GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR/USGS
GIBSONVILLEQUADRANGLE
NORTH CAROLINA
7.5 MINUTE SERIES (TOPOGRAPHIC)
1970
PHOTOREVISED 1994

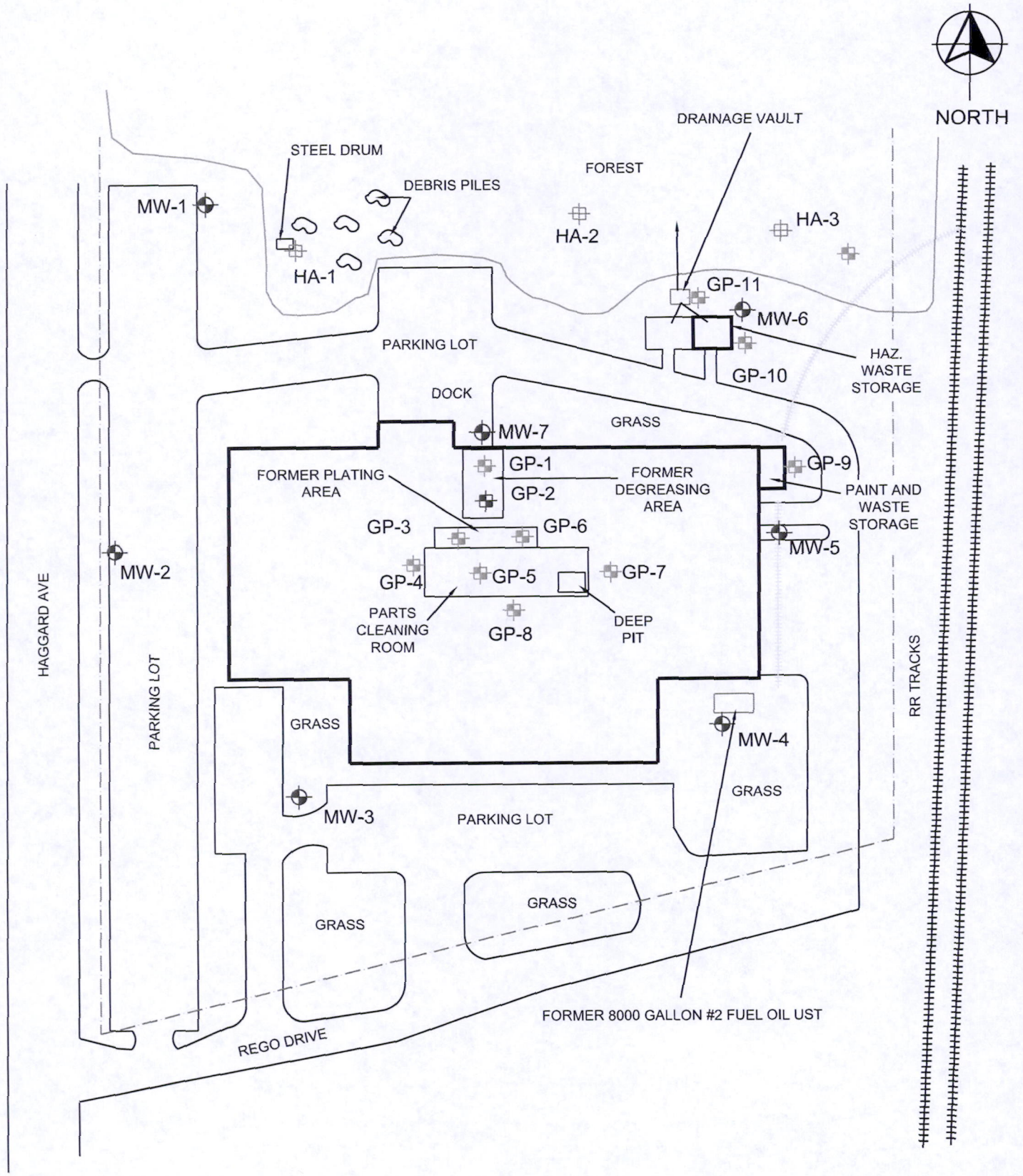
Engineered Controls International, LLC
Elon, North Carolina
Project No. B1116-410-0

Site Location Map

GaiaTech

Figure 2

Site Layout with Boring Locations



LEGEND

— · — SITE BOUNDARY

HHHHHHHH RAILROAD TRACKS

2-INCH MONITORING WELL

1-INCH MONITORING WELL

BORING/TEMP. WELL

DESCRIPTION:	DRAWN:	FIGURE:
Engineered Control International 100 Rego Drive Elon, NC	RJ	SITE LAYOUT & BORING LOC.
	SCALE: NTS	
	DATE: 0/00/10	
	FILE: B1116-410-0	

GaiaTech

Table 1

Soil Analytical Results

Project No. B1116-410-0

Table 1
Soil Analytical Results

Engineered Controls International, Inc.
100 Rego Dr
Elon, North Carolina

Sample ID	NDENR Cleanup Standards			MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-7	GP-1	GP-1	GP-2	GP-2	GP-2	GP-3	GP-4	GP-5	GP-6	GP-7	GP-7	GP-8	GP-9	GP-10	GP-11	HA-1	HA-2	HA-3
Sample Depth (ft)	Preliminary Residential	Preliminary Industrial	Protection of GW	5-7'	3-5'	5-7'	8-10'	3-5'	0-2'	3-5'	18-20'	5-7'	38-40'	5-7'	18-20'	35-36'	1-3'	1-3'	13-15'	10-12'	13-15'	30.32'	10-12'	1-3'	1-3'	8-10'	0-1'	0-1'	0-1'
Date Sampled				07/19/11	07/19/11	07/19/11	07/19/11	07/19/11	07/19/11	07/19/11	07/19/11	07/20/11	07/20/11	07/20/11	07/20/11	07/20/11	07/20/11	07/20/11	07/20/11	07/21/11	07/21/11	07/21/11	07/21/11	07/21/11	07/22/11	07/22/11	07/20/11	07/20/11	07/20/11
VOCs - Method 5035A/8260B		mg/kg		mg/kg																									
Chloroform	0.29	1.5	0.34	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1, 2-Dichloroethene	140	1300	0.3	BDL	BDL	BDL	BDL	BDL	BDL	0.078	0.066	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	0.55	2.6	0.005	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	0.0029	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	2.8	14	0.018	BDL	BDL	BDL	BDL	BDL	BDL	**0.11**	BDL	BDL	NA	0.0048	BDL	**0.16**	0.026	0.02	BDL	0.0016	BDL	BDL	0.0031	BDL	BDL	BDL	BDL	BDL	BDL
PAHs - Method 8270C/8270D		mg/kg		mg/kg																									
All Parameters	Varies	Varies	Varies	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Metals - Method 6010B/7471		mg/kg		mg/kg																									
Arsenic	0.39	1.6	5.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	**2**	BDL	1.4	BDL	BDL
Barium	3000	38000	580	43	36	20	31	24	54	22	68	22	120	27	NA	NA	38	25	21	26	150	NA	32	30	33	33	63	61	290
Cadmium	14	160	3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium, Total	24000	100000	36000	34	17	11	81	140	48	57	62	49	78	100	NA	NA	44	41	16	210	140	NA	48	48	150	88	50	43	68
Chromium VI	0.29	5.6	3.8	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	2	3.1	1	0.048	BDL	0.029	0.1	0.037	0.03	BDL	BDL	0.028	BDL	0.039	NA	NA	0.05	0.067	BDL	0.057	BDL	NA	0.034	0.16	**2.3**	0.041	0.04	0.034	BDL
Lead	400	800	270	36	19	8.7	10	10	8.7	10	3.2	11	BDL	8.6	NA	NA	14	6.9	5.9	BDL	BDL	NA	6.7	4.6	14	21	19	12	44
Selenium	78	1000	2.1	**4**	BDL	**12**	**5.8**	**7.8**	**5.4**	**4.4**	**10**	**3.6**	**12**	BDL	NA	NA	1.6	**4.5**	BDL	**24**	**22**	NA	**21**	**15**	**10**	**15**	BDL	BDL	BDL
Silver	78	1000	3.4	0.66	BDL	BDL	1.2	BDL	0.85	0.65	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc	4,600	6,200	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20	NA	6.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons - Method 8015D and 3546/DRO		mg/kg		mg/kg																									
Gasoline Range - GRO		10*		NA	NA	NA	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	BDL	BDL	BDL	NA	BDL	BDL	NA	BDL	BDL	BDL	BDL
Diesel Range - DRO		40*		NA	NA	NA	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	BDL	BDL	BDL	NA	BDL	BDL	NA	BDL	17	17	7.1

Notes:
Samples analyzed at ESC Laboratories, Inc. in Mt Juliet, Tennessee; Only detected compounds are listed.
Soil criteria listed in NCDENR Inactive Hazardous Waste Sites preliminary soil remediation goals
BDL: Below Laboratory Detection Limit; NA: Not Analyzed
VOCs: Volatile organic compounds; PAHs: Polynuclear aromatic hydrocarbons; SVOCs: Semi-Volatile organic compounds
mg/kg is approximately equivalent to parts per million (ppm).
Bold & shaded value indicate levels that exceed one or more residential or Industrial Soil Remediation criteria
Bold value only exceeds protection of groundwater value and/or Non-UST Action Level
NE - NOT ESTABLISHED; NA - NOT ANAYLZED
* Non-UST Program Action Levels

Table 2

Groundwater Analytical Results

Project No. B1116-410-0

Table 2
Ground Water Analytical Results

Engineered Controls International, Inc.
100 Rego Dr
Elon, North Carolina

Sample ID	Groundwater Quality Standards	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	GP-7	GP-8	GP-9	GP-10	GP-11
	Class GA																		
Date Sampled		07/28/11	07/28/11	07/28/11	07/28/11	07/28/11	07/28/11	07/28/11	07/20/11	07/21/11	07/21/11	07/22/11	07/22/11	07/19/11	07/22/11	07/22/11	07/22/11	07/28/11	7/228
VOCs - Method 5035A/8260B	ug/L	ug/L																	
Bromodichloromethane	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**2**	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	70	BDL	BDL	BDL	16	BDL	BDL	BDL	BDL	BDL	BDL	5.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1, 2-Dichloroethene	0.4	BDL	BDL	BDL	BDL	BDL	BDL	**14**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	0.7	BDL	BDL	BDL	BDL	BDL	BDL	**73**	**54**	**58**	**25**	**11**	**26**	**6**	**30**	**45**	BDL	BDL	BDL
Trichloroethene	3	BDL	BDL	BDL	BDL	1.1	BDL	**2,900**	**1,100**	**1,400**	**590**	**320**	**860**	**220**	**250**	**270**	BDL	BDL	BDL
PAHs - Method 8270C/8270D	ug/L	ug/L																	
Benzylbutyl phthalate	NE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bis (2-ethylhexyl) phthalate	3	BDL	**19**	**14**	1	**26**	**11**	**15**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**11**
Diethyl phthalate	6000	BDL	2.3	BDL	BDL	BDL	BDL	BDL	BDL	1.4	5.4	BDL	1.7	BDL	BDL	BDL	BDL	BDL	BDL
Dissolved Metals - Method 6010B/7471	ug/L	ug/L																	
Arsenic	10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Barium	700	97	38	27	38	52	67	53	NA	83	60	23	38	21	59	48	36	44	88
Cadmium	2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	18	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium	10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Lead	15	6.7	5	7.4	BDL	BDL	**84**	6.3	NA	7.5	BDL	5.1	BDL	BDL	BDL	BDL	BDL	BDL	**81**
Mercury	1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Selenium	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Silver	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Zinc	1,000	NA	NA	NA	NA	NA	NA	NA	NA	31	NA	NA	NA	BDL	NA	NA	NA	NA	NA
Total Petroleum *Hydrocarbons* - Method 8015D and 3546/DRO	mg/kg	ug/L																	
Gasoline Range - GRO	400 (C5 to C9) *	NA	NA	NA	BDL	BDL	BDL	**1,200**	**670**	**670**	330	NA	NA	NA	BDL	95	BDL	NA	NA
Diesel Range - DRO	700 (C9 to C18)*	64	75	NA	35	72	35	91	120	120	12	NA	NA	NA	9.6	16	12	NA	NA

Notes:
Samples analyzed at ESC Laboratories, Inc. in Mt Juliet, Tenessee; Only detected compounds are listed.
Groundwater standards listed in NCDENR Title 15A Subchapter 2L Groundwater Quality Standards and interial Groundwater Quality Standards
BDL: Below Laboratory Detection Limit; NA: Not Analyzed
VOCs: Volatile organic compounds; PAHs: Polynuclear aromatic hydrocarbons; SVOCs: Semi-Volatile organic compounds
ug/L is approximately equivalent to parts per billion (ppb).
Bold & shaded value indicate levels that exceeded Groundwater criteria
NE - NOT ESTABLISHED; NA - NOT ANALYZED
* not directly equivalent to analysis, C19 to C36 10,000 ppb

Appendix A

Boring Logs

GaiaTech, Inc.
Environmental Planning for Business

Chicago, IL

GAIATECH BORING LOG - GP-1

(PAGE 1 TO 1)

Engineered Controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/20/11	Logged By	: Larry
Date/Time Completed	: 7/20/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 40 ft bgs	Hole Diameter	: 2 inch, 1 inch well
Total Depth of Well	: 40 ft bgs	Drilling Company	: Carolina Soil Investigations
		Sampling Method	: Macro-Core

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0					AR		6" concrete underlain by sand and gravel (FILL)
2	1		90	83.9	ML-CL		CLAYEY SILT, little sand and gravel, red, stiff, dry, no odor, low plasticity
4	2			6.6			Slight odor from 5 to 20 ft
6	3		90	10.2			
8	4			9.9			
10	5		100	6.1			
12							
14	6			6.0			
16	7		100	3.9			
18	8			4.2			
20	9		100	5.6			
22							
24	10			6.3			
26	11		100	5.7	ML		CLAYEY SILT, orange/red and yellow, soft, damp to moist, no odor, low plasticity
28	12			5.6			
30	13		100	2.6			
32							
34	14			2.1			
36	15		100	9.1			
38	16			28.3			
40							End of Boring: 40 ft

Well: GP-1
Elev.:

12-21-2011 V:\Projects\B1116 ECII Elon, NC\B1116-410-0\Technical\Elon boring logs\GP-1.bor

GaiaTech, Inc.
Environmental Planning for Business

Chicago, IL

GAIATECH BORING LOG - GP-2

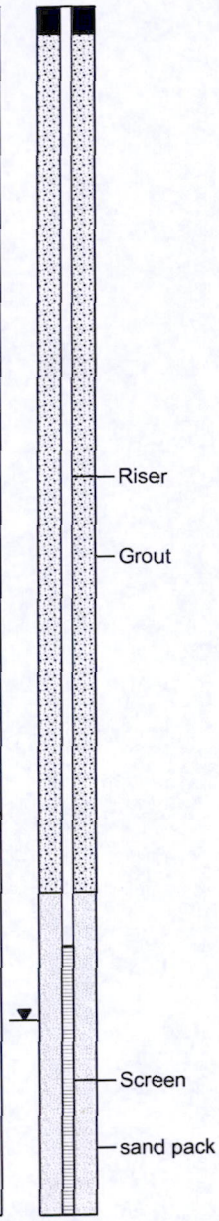
(PAGE 1 TO 1)

Engineered Controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/20/11	Logged By	: Larry
Date/Time Completed	: 7/20/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 45 ft bgs	Hole Diameter	: 2 inch, 1 inch well
Total Depth of Well	: 45 ft bgs	Drilling Company	: Carolina Soil Investigations
		Sampling Method	: Macro-Core

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0					AR		6" concrete underlain by crushed stone (FILL)
2	1		85	2.3	ML-CL		CLAYEY SILT, red, stiff, trace sand and gravel, damp to dry, no odor, low plasticity
4	2			305			
6	3		100	15.4			
8	4			15.3			
10					ML		SANDY, CLAYEY SILT, dark brown, compact, low plasticity
12	5		100	13.4	ML-CL		CLAYEY SILT, red, stiff, trace sand and gravel, damp to dry, no odor, low plasticity
14	6			10.7			
16	7		100	12.6	ML-CL		CLAYEY SILT, red, orange/red and light yellow, trace sand, dry
18	8			13.9			
20	9		100	12.9			
22							
24	10			13.8			
26	11		100	16.8			
28	12			18.8			
30							Moist at 30 ft
32	13		100	27.8	SM		SANDY SILT, red, little clay, slight odor
34	14			28.8	CL-ML		CLAYEY SILT, yellowish-brown and black layered, wet at 38 feet, low plasticity, slight odor.
36	15		100	59.7			
38	16			40.2			
40	17		100	38.6			
42							
44	18			22.8			
46							End of Boring: 40 ft

Well: GP-2
Elev.:



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GaiaTech, Inc.
Environmental Planning for Business

Chicago, IL

GAIATECH BORING LOG - GP-3

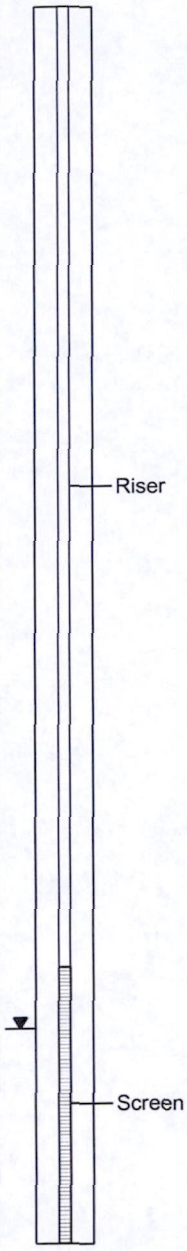
(PAGE 1 TO 1)

Engineered Controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/20/11	Logged By	: Larry
Date/Time Completed	: 7/20/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 45 ft bgs	Hole Diameter	: 2 inch boring, 1 inch well
Total Depth of Well	: 45 ft bgs	Drilling Company	: Carolina Soil Investigations
		Sampling Method	: Macro-Core

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0					AR		6" concrete underlain by sand and gravel (FILL)
2	1		85	68.3	ML-CL		CLAYEY SILT, red, trace sand, low plasticity, no odor
4	2			68.3			
6	3		100	35.6			
8	4			38.2			
10	5		100	29.8			
12							
14	6			24.8			
16	7		100	30.1	ML		CLAYEY SILT, red, trace sand, low plasticity, no odor
18	8			25.7			
20	9		100	31.2			
22							
24	10			29.7			
26	11		100	25.3			
28	12			27.1			
30							
32	13		100	26.2			
34	14			25.6			
							moist at 35 ft
36	15		100	22.5			
38	16			23.8	SM		SANDY SILT, light brown, little clay, soft, very moist, no odor
40							
42	17		100	15.8			
44	18			7.6	SM-SP		SILTY SAND, light brown, soft, moist, no odor,
46							End of Boring: 45 ft

Well: GP-3
Elev.:



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GaiaTech, Inc.
Environmental Planning for Business

Chicago, IL

GAIATECH BORING LOG - GP-4

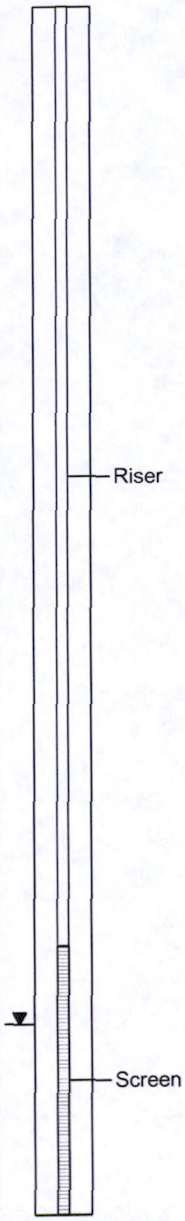
(PAGE 1 TO 1)

Engineered Controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/20/11	Logged By	: Larry
Date/Time Completed	: 7/20/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 45 ft bgs	Hole Diameter	: 2 inch boring, 1 inch well
Total Depth of Well	: 45 ft bgs	Drilling Company	: Carolina Soil Investigations
		Sampling Method	: Macro-Core

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0					AR		6" concrete underlain by sand and gravel (FILL)
2	1		85	30	ML-CL		CLAYEY SILT, red, trace sand and gravel, low plasticity, no odor, stiff
4	2			21.9			
6	3		75	10.1			
8	4			8.6			
10	5		100	18.6			
12							
14	6			11.2			
16	7		100	14.8	ML		CLAYEY SILT, red, trace sand and gravel, low plasticity, damp
18	8			10.6			
20	9		100	29.9			
22							
24	10			30.6			
26	11		100	15.6			
28	12			10.3			
30							
32	13		100	6.3	SM-SP		SILTY SAND, white-tan, little clay, soft, moist
34	14			4.2			
36	15		100	3.8	SM		SANDY SILT, red and white, little clay, low plasticity, moist to wet at 38 ft.
38	16			3.6			
40							
42	17		100	2.6			
44	18			1.2			
46							End of Boring: 45 ft

Well: GP-4
Elev.:



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GAIATECH BORING LOG - GP-5

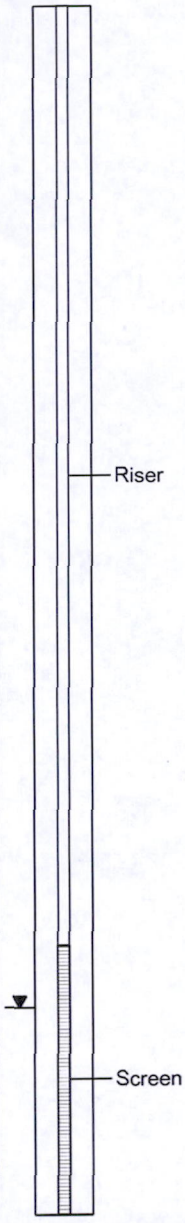
(PAGE 1 TO 1)

Engineered Controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/20/11	Logged By	: Larry
Date/Time Completed	: 7/20/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 45 ft bgs	Hole Diameter	: 2 inch boring, 1 inch well
Total Depth of Well	: 45 ft bgs	Drilling Company	: Carolina Soil Investigations
		Sampling Method	: Macro-Core

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0					AR		6" concrete underlain by crushed stone (FILL)
2	1		85	5.6	ML-CL		CLAYEY SILT, red, trace sand, low plasticity, no odor, dry, stiff
4	2			7.2			
6	3		100	11.7			
8	4			12.1			
10							Little sand at 10-15 ft
12	5		100	22.8			
14	6			37.6			
16	7		100	25.6	SM		SANDY SILT, red, little clay, dry, low plasticity, no odor
18	8			24.3			
20							
22	9		100	32.5			
24	10			26.8	SM-ML		SANDY SILT with little clay, white and orange-red
26	11		100	16.8			
28	12			15.2			
30	13				ML		SILT, white-tan, little clay and sand, soft, moist
32							
34	14						
36	15						
38	16						Wet at 38 ft
40							
42	17						
44	18						
46							End of Boring: 45 ft

Well: GP-5
Elev.:



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GAIATECH BORING LOG - GP-6

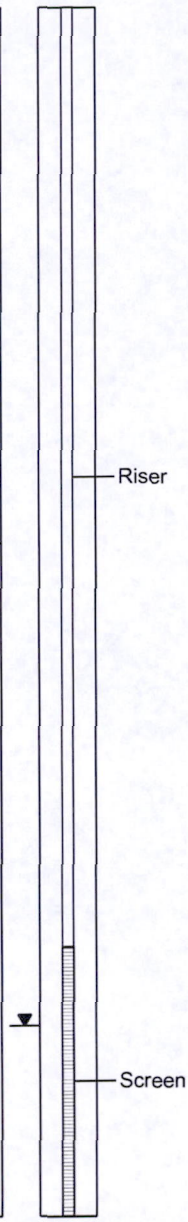
(PAGE 1 TO 1)

Engineered Controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/21/11	Logged By	: Larry
Date/Time Completed	: 7/21/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 45 ft bgs	Hole Diameter	: 2-inch boring, 1 inch well
Total Depth of Well	: 45 ft bgs	Drilling Company	: Carolina Soil Investigations
		Sampling Method	: Macro-Core

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0					AR		6" concrete underlain by stone and gravel-crushed stone (FILL)
2	1		90	2.7	ML-CL		CLAYEY SILT, red, very stiff, trace sand, low plasticity, no odor
4	2			4.1			
6	3		100	10.7			
8	4			15.1			
10	5		100	27.7			
12							
14	6			19.6			
16	7		100	18.3			
18	8			13			
20	9		100	26.8	ML		CLAYEY SILT, red, soft, moist, no odor, low plasticity
22							
24	10			23.3			
26	11		100	20.1			
28	12			18.1			
30							Orange to yellow
32	13		100	26.2			
34							
36	14			26.6			
38	15		100	28.1			Wet at 38 ft
40							
42	16			32.1			
44	17		100	20.6			
46							End of Boring: 45 ft

Well: GP-6
Elev.:



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GAIATECH BORING LOG - GP-7

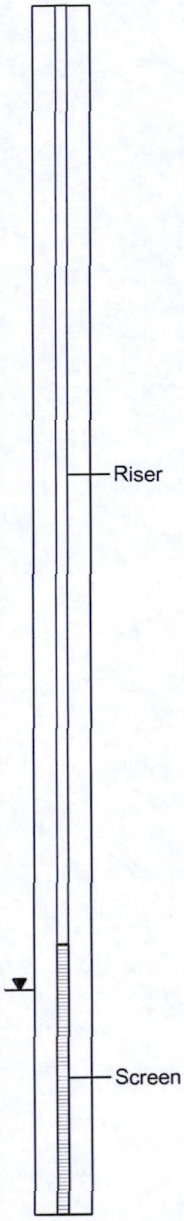
(PAGE 1 TO 1)

Engineered controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/21/11	Logged By	: Larry
Date/Time Completed	: 7/21/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 45 ft bgs	Hole Diameter	: 2-inch boring, 1 inch well
Total Depth of Well	: 45 ft bgs	Drilling Company	: Carolina Soil Investigations
		Sampling Method	: Dual Tube

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0					AR		6" concrete underlain by sand and gravel (FILL)
2	1		80	11.3	ML-CL		CLAYEY SILT, red, stiff, trace sand, low plasticity, no odor
4	2			8.1			
6	3		100	11.5			
8	4			11			
10	5		100	14.9			
12	6			17.8			
14	7		100	16.1			
16	8			16.3			
18							
20	9		100	14.6	ML		CLAYEY SILT, orange, little sand, soft, moist, no odor, low plasticity
22	10			13.8			
24							
26	11		80	14.5	ML		CLAYEY SILT, white, soft, moist, no odor
28							
30							
32	12		100	29.9	ML		CLAYEY SILT, red to orange, trace sand, soft, moist, no odor
34							
36							
38	13		100	22.4			
40							
42	14		100	17.8			
44							
46							End of Boring: 45 ft

Well: GP-7
Elev.:



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Chicago, IL

GAIATECH BORING LOG - GP-8

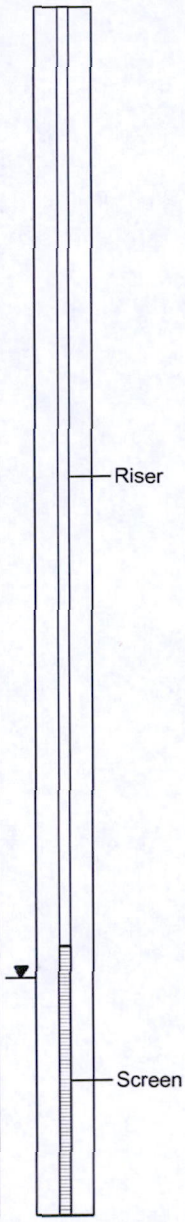
(PAGE 1 TO 1)

Engineered Controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/21/11	Logged By	: Larry
Date/Time Completed	: 7/21/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 45 ft bgs	Hole Diameter	: 2-inch well, 1 inch boring
Total Depth of Well	: 45 ft bgs	Drilling Company	: Carolina Soil Investigations
		Sampling Method	: Macro-Core

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0					AR		6" concrete underlain by sand, crushed stone and gravel (FILL)
2	1		100	5.6	ML-CL		CLAYEY SILT, red, stiff, trace sand, dry, no odor, low plasticity
4	2			11.5			
6	3		100	21.5			
8	4			19.9			
10	5		100	32.1			occasional sand seems at 12-15ft
12							
14	6			14.6			
16	7		100	31.9	ML		CLAYEY SILT, *orange and white, low plasticity, no odor,* trace sand
18	8			26.9			
20	9		100	31.1			
22							
24	10			29.6			
26	11		100	15.2	ML		CLAYEY SILT, white-tan, soft, damp, low plasticity, no odor
28	12			14.8			
30	13		100	16.3			
32							
34	14			13.6			
36	15		100	9.7			
38	16			8.5			wet at 38.5 ft
40	17		100	7.6			
42							
44	18			7.1			
46							End of Boring: 45 ft

Well: GP-8
Elev.:



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GaiaTech, Inc.
Environmental Planning for Business

Chicago, IL

GAIATECH BORING LOG - GP-9

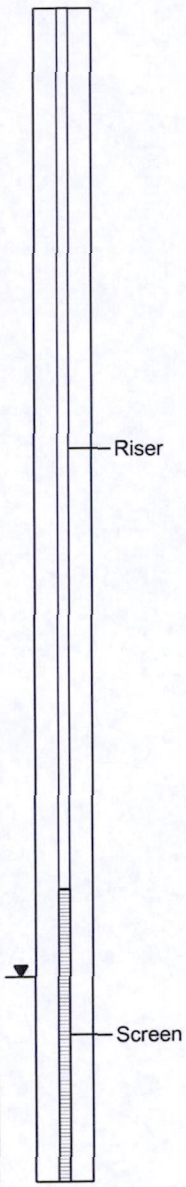
(PAGE 1 TO 1)

Engineered Controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/21/11	Logged By	: Larry
Date/Time Completed	: 7/21/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 40 ft bgs	Hole Diameter	: 2 inch boring, 1 inch well
Total Depth of Well	: 40 ft bgs	Drilling Company	: Carolina Soil Investigations
		Sampling Method	: Macro-Core

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0	1		85	0.9	AR		Crushed stone and clayey silt, no odor (FILL)
2					ML-CL		CLAYEY SILT, red, trace sand, stiff, damp
4	2			0.8			
6	3		100	0			
8	4			0			
10	5		100	0	ML		CLAYEY SILT, red to orange, trace sand, low plasticity, no odor
12							
14	6			0			
16	7		100	0			
18	8			0			
20	9		100	0			
22							
24	10			0			
26	11		100	0	ML		CLAYEY SILT, yellowish-brown, firm, no odor
28	12			0			
30							
32	13		100	0			Wet at 33 ft
34	14			0			
36	15		100	0			
38	16			0			
40							End of Boring: 40 ft
42							

Well: GP-9
Elev.:



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GaiaTech, Inc.
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Chicago, IL

GAIATECH BORING LOG - GP-10

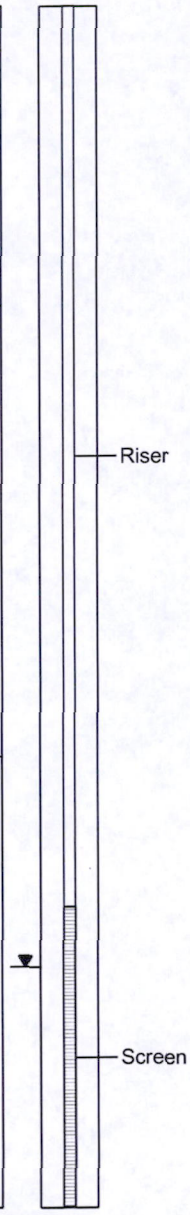
(PAGE 1 TO 1)

Engineered Controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/21/11	Logged By	: Larry
Date/Time Completed	: 7/21/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 40 ft bgs	Hole Diameter	: 2-inch boring, 1 inch well
Total Depth of Well	: 40 ft bgs	Drilling Company	: Carolina Soil Investigations
		Sampling Method	: Macro-Core

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0	1		90	0.9	AR		Topsoil underlain by clayey silt with gravel (FILL)
2					ML-CL		CLAYEY SILT, red and yellowish-brown, trace sand, low plasticity, no odor, stiff, damp
4	2			0.7			
6	3		100	0.2			
8	4			0			
10	5		100	0	ML		CLAYEY SILT, red to yellow, trace sand, no odor, low plasticity, moist
12							
14	6			0			
16	7		100	0			
18	8			0			
20	9		100	0			
22							
24	10			0			
26	11		100	0	ML		CLAYEY SILT, white-tan, soft, no odor, low plasticity
28	12			0			
30	13		100	0			Wet at 32 ft
32							
34	14			0			
36	15		100	0			
38	16			0			
40							End of Boring: 40 ft
42							

Well: GP-10
Elev.:



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GAIATECH BORING LOG - GP-11

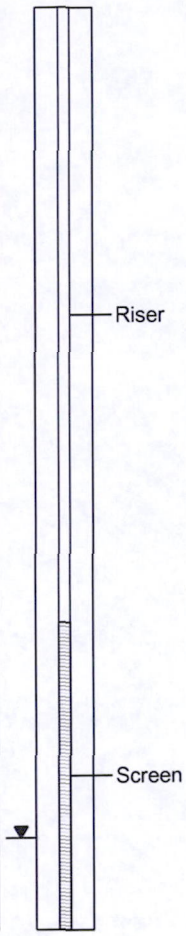
(PAGE 1 TO 1)

Engineered Controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/22/11	Logged By	: Larry
Date/Time Completed	: 7/22/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 30 ft bgs	Hole Diameter	: 2 inch boring, 1 inch well
Total Depth of Well	*: 30 ft bgs*	Drilling Company	: Carolina Soil Investigations
		Sampling Method	*: Maco-Core*

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0	1		75	0	CL-ML		CLAYEY SILT - red and brown, stiff, dry, damp, no odor.
2							
4	2			0			
6	3		100	0			
8	4			0			
10	5		100	0			
12							
14	6			0			
16	7		100	0			
18	8			0			
20	9		100	0			
22							
24	10			0			
26	11		100	0			
28	12			0	SC		SILTY SANDY CLAY - tan, wet, soft to firm, no odor.
30							End of Boring: 40 ft
32							
34							
36							
38							
40							

Well: GP-11
Elev.:



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GAIATECH BORING LOG MW-1

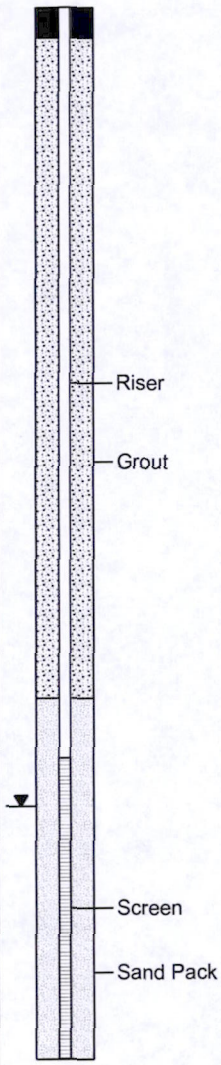
(PAGE 1 TO 1)

Engineered Controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/19/11	Logged By	: Larry
Date/Time Completed	: 7/19/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 40 ft bgs	Hole Diameter	: 4 inches, 2-inch well
Total Depth of Well	: 40 ft bgs	Drilling Company	: Carolina Soil Investigations
		Sampling Method	: Macro-Core

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0	1		90	0.1	SC		SANDY CLAY, tan (potential FILL), soft, dry, no odor, low plasticity
2							
4	2			0.3			
					ML-CL		CLAYEY SILT, red, trace sand, low plasticity, no odor
6	3		100	0.2			
8	4			0			SILT, red to yellow-brown, little clay, firm, damp, no odor
10							
12	5		100	0			
14	6			0			
16	7		90	0			
18	8			0	ML-CL		
20							
22	9		100				
24	10			0			
26	11		100	0			
28	12			0			
30							SILT, red-yellow and brown, little clay, very soft, wet, no odor
32	13		100				
34	14			0	ML-CL		
36	15		100	0			
38	16			0			
40							End of Boring: 40 ft
42							

Well: MW-1
Elev.:



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GaiaTech, Inc.
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GAIATECH BORING LOG - MW-2

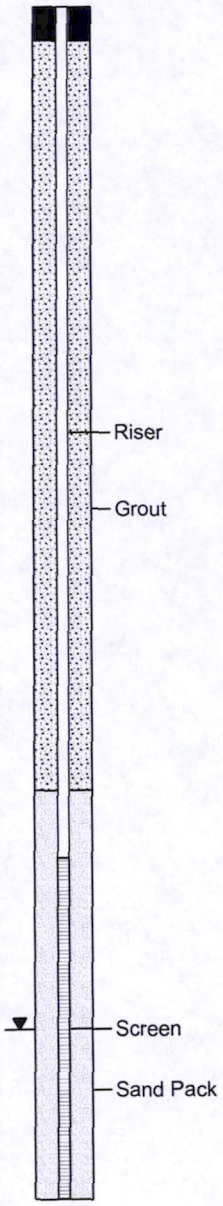
(PAGE 1 TO 1)

Engineered Controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/19/11	Logged By	: Larry
Date/Time Completed	: 7/19/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 35 ft bgs	Hole Diameter	: 4 inches, 2-inch well
Total Depth of Well	: 35 ft bgs	Drilling Company	: Carolina Soil Investigations
		Sampling Method	: Macro-Core

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0					AR		3" asphalt underlain by sand and gravel (FILL)
2	1		90	0	ML-CL		CLAYEY SILT, red, stiff, trace gravel and sand, no oder
4	2			0			
6	3		100	0	ML		SILT, red, yellowish-brown, little clay, occasional sand seams 1"-4" thick, dry, no odor
8	4			0			
10	5		100	0			
12							
14	6			0			
16	7		90	0	ML-CL		SANDY, CLAYEY SILT, white and red-brown, no odor, thick, dry
18	8			0			
20	9		100	0			
22							
24	10			0			
26	11		100	0			
28	12			0	SC		SANDY SILT, little clay, white and brown, no odor, wet
30							
32	13		100	0			
34	14			0			
36							End of Boring: 35 ft

Well: MW-2
Elev.:



12-21-2011 V:\Projects\B1116 ECII Elon, NC\B1116-410-0\Technical\Elon boring logs\MW-2.bor

GaiaTech, Inc.
Environmental Planning for Business

Chicago, IL

GAIATECH BORING LOG - MW-3

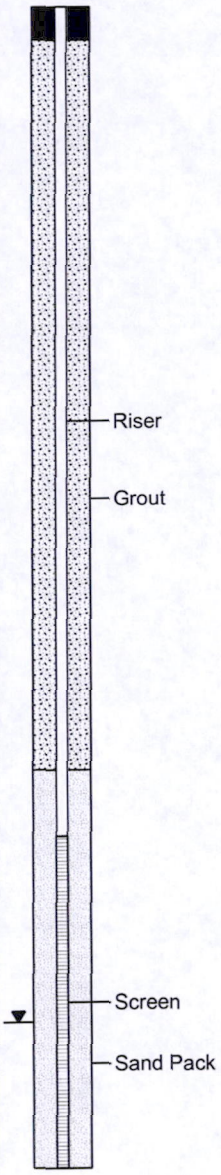
(PAGE 1 TO 1)

Engineered Controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/19/11	Logged By	: Larry
Date/Time Completed	: 7/19/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 35 ft bgs	Hole Diameter	: 4 inches, 2-inch well
Total Depth of Well	: 35 ft bgs	Drilling Company	: Carolina Soil Investigations
		Sampling Method	: Macro-Core

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0					AR		6" topsoil (FILL)
2	1		85	0	ML-CL		CLAYEY SILT, red, firm to stiff, trace sand and gravel, damp, no odor, low plasticity
4	2			0			
6	3		100	0			CLAYEY SILT, red and yellowish-brown, soft, damp to dry, low plasticity, no odor, trace sand
8	4			0			
10	5		100	0			
12	6			0			
14							
16	7		100	0	ML		
18	8			0			
20	9		100	0			
22	10			0			
24							
26	11		100	0			
28	12			0			
30	13		100	0	ML-CL		CLAYEY SILT with sand, brown and black, stiff, 6" sandy clay seem at 32.5', wet, very soft
32	14			0			
34							
36							End of Boring: 35 ft
38							

Well: MW-3
Elev.:



12-21-2011 V:\Projects\B1116 ECII Elon, NC\B1116-410-0\Technical\Elon boring logs\MW-3.bor

GaiaTech, Inc.
Environmental Planning for Business

Chicago, IL

GAIATECH BORING LOG - MW-4

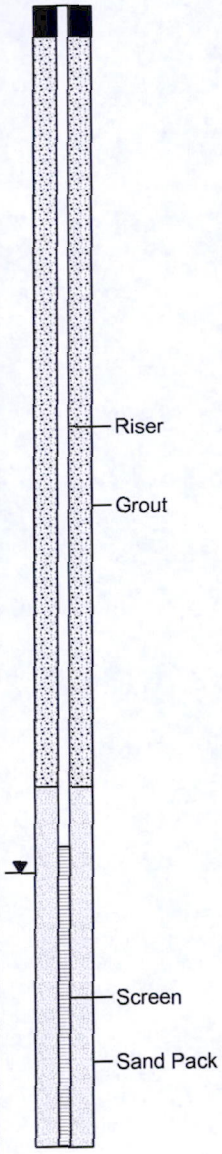
(PAGE 1 TO 1)

Engineered Controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/19/11	Logged By	: Larry
Date/Time Completed	: 7/19/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 40 ft bgs	Hole Diameter	: 4 inches, 2-inch well
Total Depth of Well	: 40 ft bgs	Drilling Company	: Carolina Soil Investigations
		Sampling Method	: Macro-Core

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0					AR		6" topsoil (FILL)
2	1		85	0	ML-CL		CLAYEY SILT, red-brown, stiff, dry, no odor, low plasticity
4	2			0			
6	3		100	0	ML-CL		CLAYEY SILT, red-brown, yellow, black and tan layered, no odor, low plasticity
8	4			0			
10	5		100	0			
12							
14	6			0			
16	7		100	0	ML		CLAYEY SILT, red-brown and grey-brown, soft, damp, no odor
18	8			0			
20	9		100	0			
22					ML		CLAYEY SILT, yellow-brown and grey, soft, damp, no odor
24	10			0			
26	11		100	0			
28	12			0			
30							
32	13		100	0			
34	14			0			
36	15		100	0			
38	16			0			
40							End of Boring: 40 ft
42							

Well: MW-4
Elev.:



12-21-2011 V:\Projects\B1116 ECII Elon, NC\B1116-410-0\Technical\Elon boring logs\MW-4.bor

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Environmental Planning for Business

Chicago, IL

GAIATECH BORING LOG - MW-5

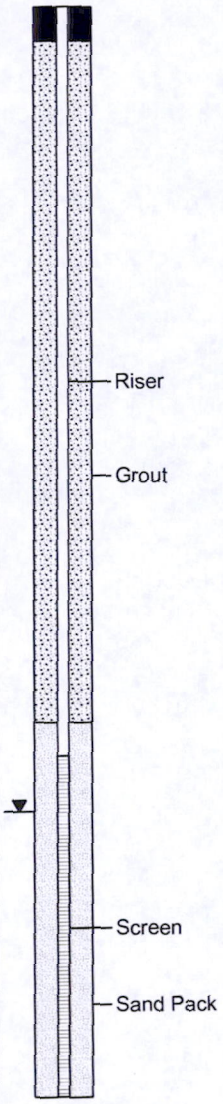
(PAGE 1 TO 1)

Engineered Controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/19/11	Logged By	: Larry
Date/Time Completed	: 7/19/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 32 ft bgs	Hole Diameter	: 4 inches, 2-inch well
Total Depth of Well	: 32 ft bgs	Drilling Company	: Carolina Soil Investigations
		Sampling Method	: Macro-Core

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0	1		90	0	AR		18" crushed stone, sand and clay (FILL), no odor
2					ML-CL		CLAYEY SILT, red to red and yellow, dry, no odor, low plasticity
4	2			0.3			
6	3		100	0			
8	4			0			
10	5		100	0	ML		CLAYEY SILT, red and yellowish-brown, soft, damp, no odor, low plasticity
12							
14	6			0	SM		SILTY SAND, white and orange, stone, dry, no odor
					ML-CL		CLAYEY SILT, red, yellow and black, soft, dry to moist
16	7		100	0			
18	8			0			
20	9		100	0			
22							
24	10			0			
26	11		100	0			Wet, very soft at 27 ft
28	12			0			
30	13		100	0			
32							
34	14			0			
36							End of Boring: 35 ft

Well: MW-5
Elev.:



12-21-2011 V:\Projects\B1116 ECII Elon, NC\B1116-410-0\Technical\Elon boring logs\MW-5.bor

GaiaTech, Inc.
Environmental Planning for Business

Chicago, IL

GAIATECH BORING LOG - MW-6

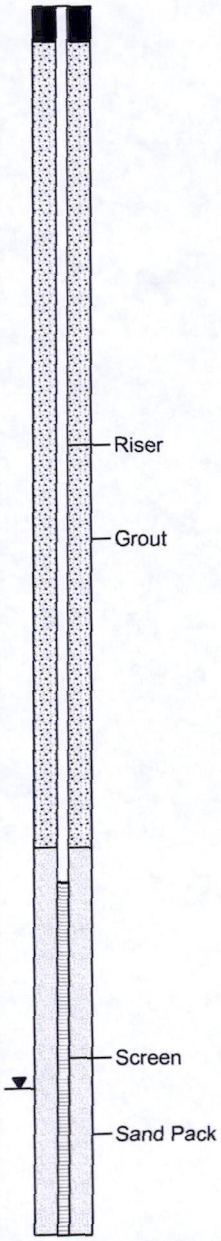
(PAGE 1 TO 1)

Engineered Controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/19/11	Logged By	: Larry
Date/Time Completed	: 7/19/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 35 ft bgs	Hole Diameter	: 4 inches, 2-inch well
Total Depth of Well	: 35 ft bgs	Drilling Company	: Carolina Soil Investigations
		Sampling Method	: Macro-Core

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0					AR		6" topsoil, no odor (FILL)
2	1		100	0.5			CLAYEY SILT, red and red-brown, stiff, dry, no odor, low plasticity
4	2			0.2			Red & yellow and tan, very stiff, no odor, low plasticity
6	3		100	0.1			
8	4			0			Red, yellow, tan, black, damp, low plasticity, no odor
10	5		100	0			
12	6			0			
14					ML-CL		
16	7		100	0			
18	8			0			
20	9		100	0			
22	10			0			
24	11		100	0			
26	12			0			
28	13		100	0	SC		SILTY SANDY CLAY, tan, very soft, wet, low plasticity, no odor
30	14			0	ML		CLAYEY SILT, yellowish-brown, soft, moist, no odor
32							
34							
36							End of Boring: 35 ft

Well: MW-6
Elev.:



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GaiaTech, Inc.
Environmental Planning for Business

Chicago, IL

GAIATECH BORING LOG - MW-7

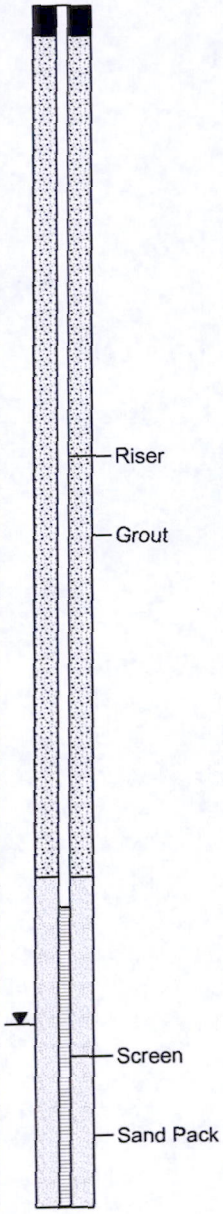
(PAGE 1 TO 1)

Engineered controls International, Inc.
100 Rego Drive
Elon, North Carolina
GaiaTech Project #B1116-420-0

FUNCTION INFORMATION			
Date/Time Started	: 7/19/11	Logged By	: Larry
Date/Time Completed	: 7/19/11	Drilling Method	: Geoprobe
Total Depth of Boring	: 40 ft bgs	Hole Diameter	: 2 inches
Total Depth of Well	: 40 ft bgs	Drilling Company	: Carolina Soil Investigations
		Sampling Method	: Dual Tube

Depth (ft)	Sample	Blow Count	% Recovery	PID (ppm)	USCS	GRAPHIC	Description
0	1		75	8.9	AR		4" asphalt underlain by crushed stone, sand and gravel (FILL)
2							
4	2			10.2			CLAYEY SILT, red, trace sand, very stiff, damp, no odor, slight odor at water-table, low plasticity
6	3		85	4.2			
8	4			3.8			
10	5		100	26			
12							
14	6			0.8			
16	7		100	6.3			Slight odor from 16-20 ft
18	8			7.5			
20	9		100	4.4	ML-CL		
22							
24	10			4.5			
26	11		100	4.8			
28	12			3.9			
30							Yellow-brown and red from 30-40 ft
32	13		100	2.8			
34	14			1.6			
36	15		100	1.8			
38	16			1.6			
40							End of Boring: 40 ft
42							

Well: MW-7
Elev.:



12-21-2011 V:\Projects\B1116 ECII Elon, NC\B1116-410-0\Technical\Elon boring logs\MW-7.bor

Appendix B

Photographs

Photo 1: Looking southeast as MW-1 is installed.

Photo 2: Looking north as MW-2 is installed.

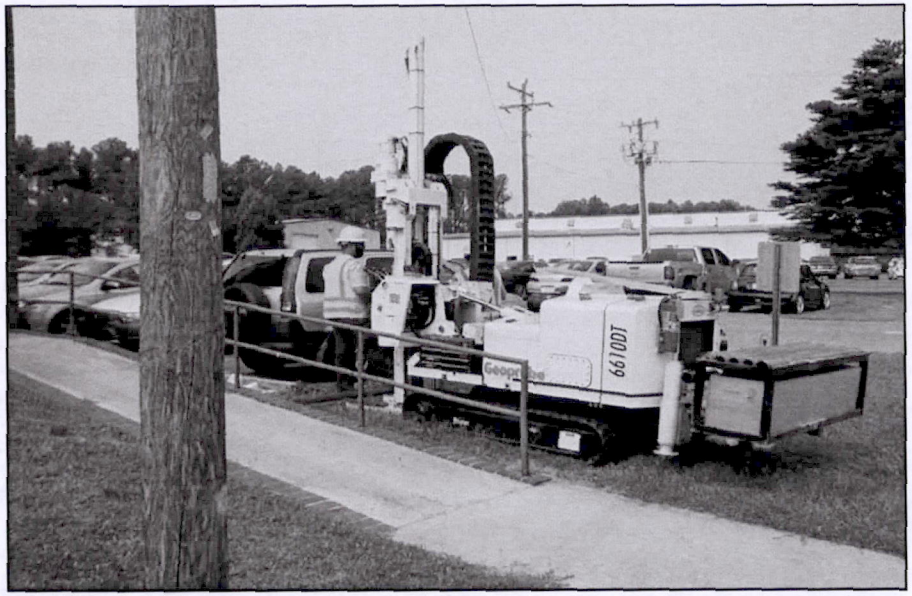


Photo 3: Looking southeast as MW-3 is installed.

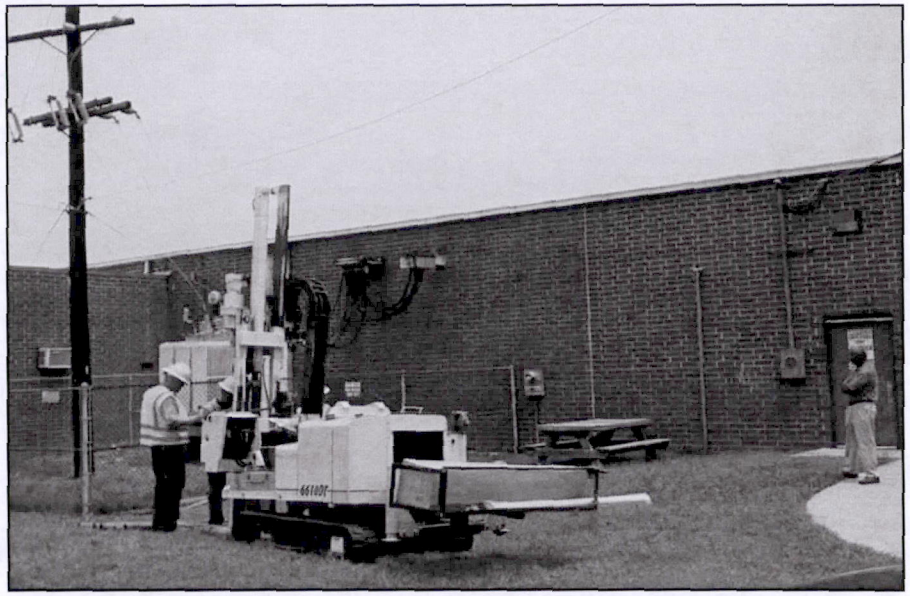


Photo 4: Looking northeast as MW-4 is installed.

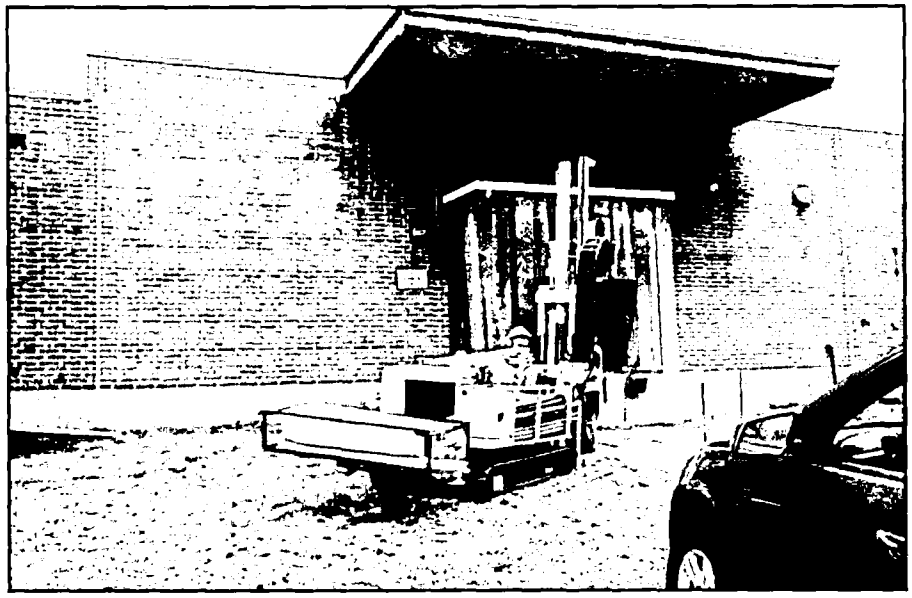


Photo 5: Looking north as MW-5 is installed.

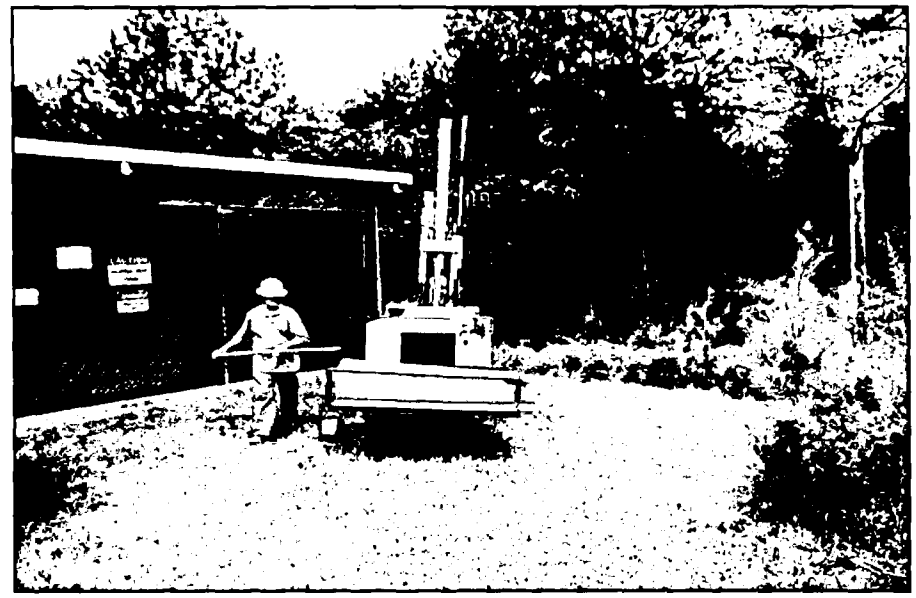


Photo 6: Looking northeast as MW-6 is installed.

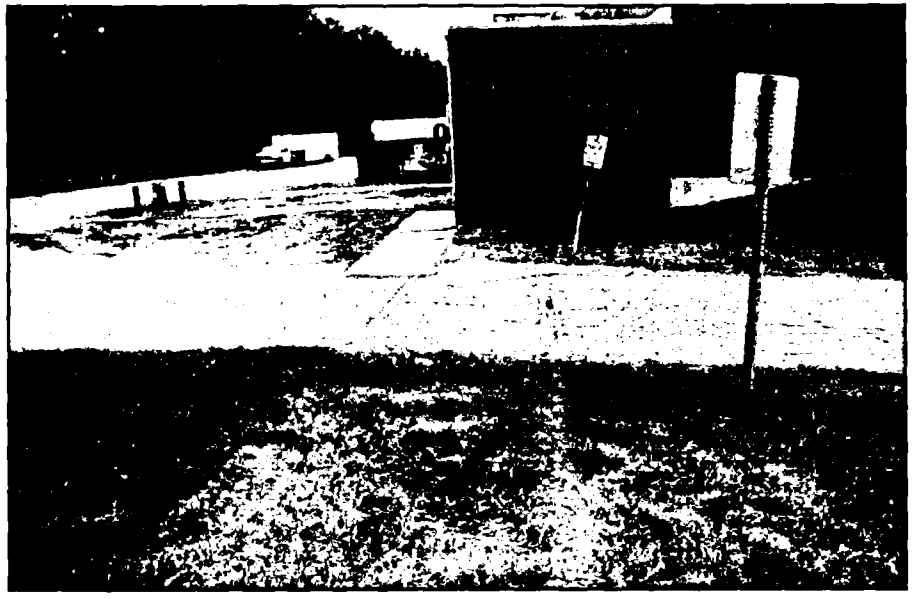


Photo 7: Looking west at old railroad spur.

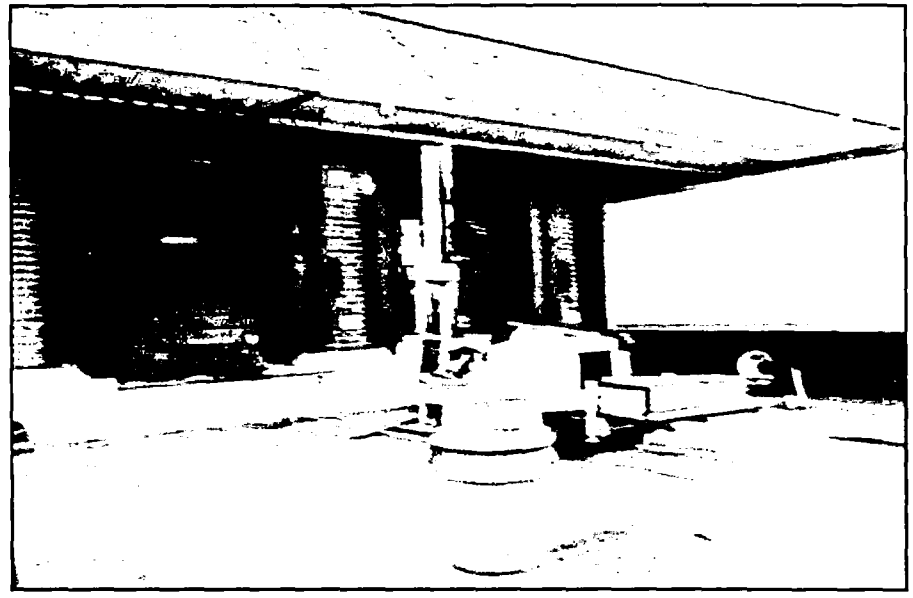


Photo 8: Looking west as MW-7 is installed.

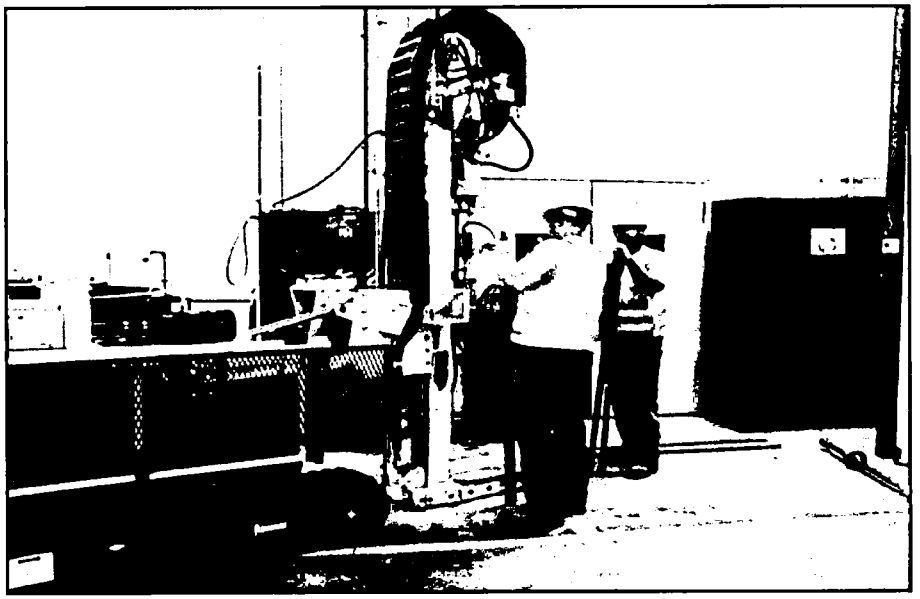


Photo 9: Looking west as GP-3 is installed.

Photo 10: Looking south as GP-5 is installed.

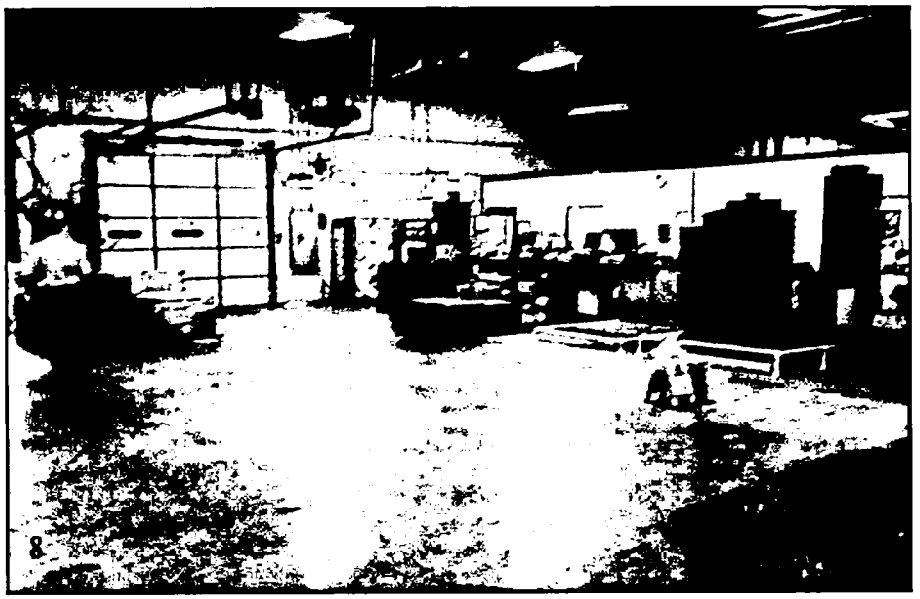


Photo 11: General view of former degreaser area.

Photo 12: Looking north as GP-9 is installed.

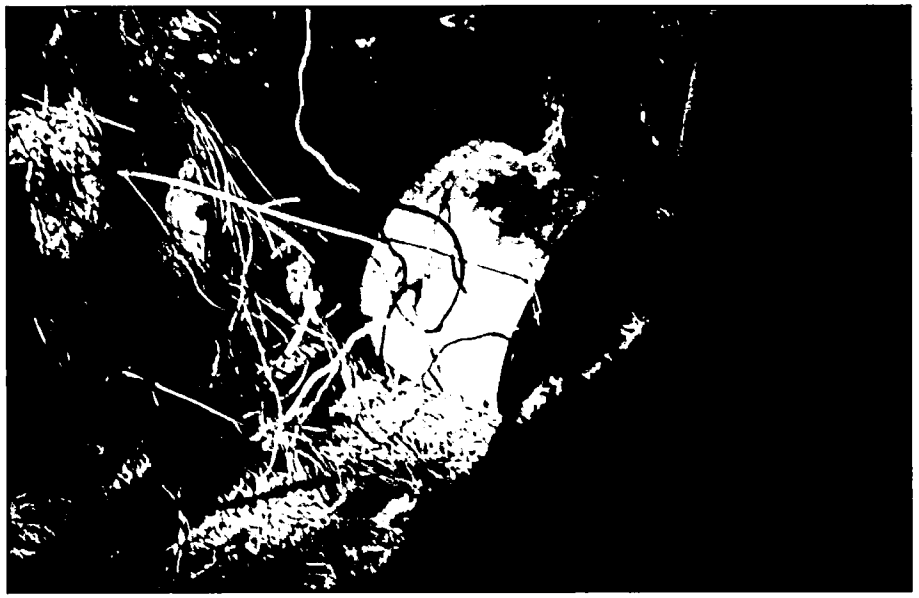


Photo 13: Looking down as HA-1 is installed adjacent to abandoned drum.

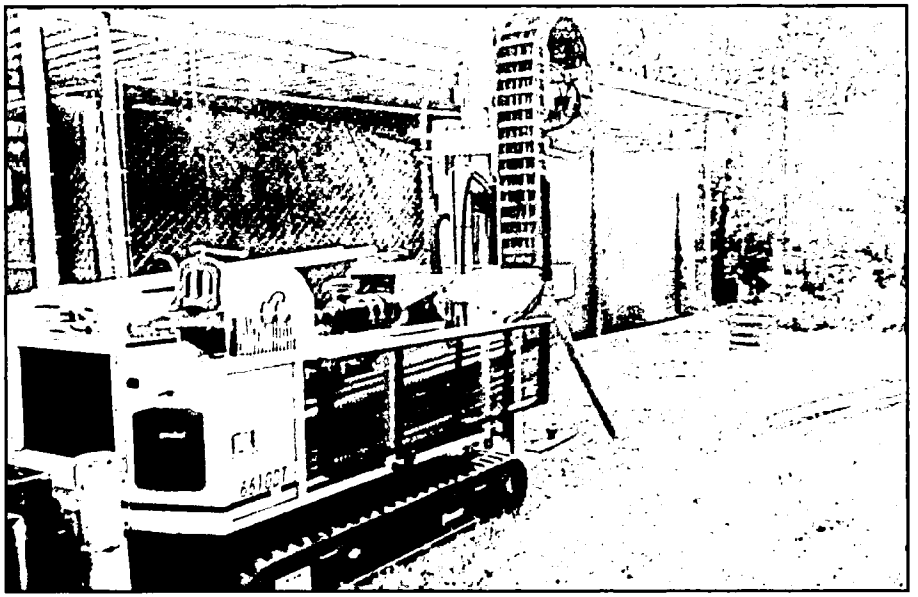


Photo 14: Looking Northeast as GP-10 is installed.

Appendix C

Laboratory Analytical Report

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

Report Summary

Wednesday December 21, 2011

Report Number: L527450
Samples Received: 07/22/11
Client Project: B11164100

Description: Site Investigation

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: John Hawkins

John Hawkins , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002,NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915, PA - 68-02979

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Mt. Juliet, TN 37122
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

December 21,2011

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

ESC Sample # : L527450-01

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-1 5-7FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 08:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	79.		%	2540G	07/28/11	1
Mercury	0.048	0.025	mg/kg	7471	07/26/11	1
Arsenic	BDL	1.3	mg/kg	6010B	07/23/11	1
Barium	43.	0.32	mg/kg	6010B	07/23/11	1
Cadmium	BDL	0.32	mg/kg	6010B	07/23/11	1
Chromium	34.	0.63	mg/kg	6010B	07/23/11	1
Lead	36.	0.32	mg/kg	6010B	07/23/11	1
Selenium	4.0	1.3	mg/kg	6010B	07/23/11	1
Silver	0.66	0.63	mg/kg	6010B	07/23/11	1
Volatile Organics						
Acetone	BDL	2.6	mg/kg	8260B	07/23/11	42
Acrylonitrile	BDL	0.53	mg/kg	8260B	07/23/11	42
Benzene	BDL	0.053	mg/kg	8260B	07/23/11	42
Bromobenzene	BDL	0.053	mg/kg	8260B	07/23/11	42
Bromodichloromethane	BDL	0.053	mg/kg	8260B	07/23/11	42
Bromoform	BDL	0.053	mg/kg	8260B	07/23/11	42
Bromomethane	BDL	0.26	mg/kg	8260B	07/23/11	42
n-Butylbenzene	BDL	0.053	mg/kg	8260B	07/23/11	42
sec-Butylbenzene	BDL	0.053	mg/kg	8260B	07/23/11	42
tert-Butylbenzene	BDL	0.053	mg/kg	8260B	07/23/11	42
Carbon tetrachloride	BDL	0.053	mg/kg	8260B	07/23/11	42
Chlorobenzene	BDL	0.053	mg/kg	8260B	07/23/11	42
Chlorodibromomethane	BDL	0.053	mg/kg	8260B	07/23/11	42
Chloroethane	BDL	0.26	mg/kg	8260B	07/23/11	42
2-Chloroethyl vinyl ether	BDL	2.6	mg/kg	8260B	07/23/11	42
Chloroform	BDL	0.26	mg/kg	8260B	07/23/11	42
Chloromethane	BDL	0.13	mg/kg	8260B	07/23/11	42
2-Chlorotoluene	BDL	0.053	mg/kg	8260B	07/23/11	42
4-Chlorotoluene	BDL	0.053	mg/kg	8260B	07/23/11	42
1,2-Dibromo-3-Chloropropane	BDL	0.26	mg/kg	8260B	07/23/11	42
1,2-Dibromoethane	BDL	0.053	mg/kg	8260B	07/23/11	42
Dibromomethane	BDL	0.053	mg/kg	8260B	07/23/11	42
1,2-Dichlorobenzene	BDL	0.053	mg/kg	8260B	07/23/11	42
1,3-Dichlorobenzene	BDL	0.053	mg/kg	8260B	07/23/11	42
1,4-Dichlorobenzene	BDL	0.053	mg/kg	8260B	07/23/11	42
Dichlorodifluoromethane	BDL	0.26	mg/kg	8260B	07/23/11	42
1,1-Dichloroethane	BDL	0.053	mg/kg	8260B	07/23/11	42
1,2-Dichloroethane	BDL	0.053	mg/kg	8260B	07/23/11	42
1,1-Dichloroethene	BDL	0.053	mg/kg	8260B	07/23/11	42
cis-1,2-Dichloroethene	BDL	0.053	mg/kg	8260B	07/23/11	42
trans-1,2-Dichloroethene	BDL	0.053	mg/kg	8260B	07/23/11	42

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted
L527450-01 (V8260TIC) - Cannot run lower, client sent only MeOH vial.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-01

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-1 5-7FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 08:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.053	mg/kg	8260B	07/23/11	42
1,1-Dichloropropene	BDL	0.053	mg/kg	8260B	07/23/11	42
1,3-Dichloropropane	BDL	0.053	mg/kg	8260B	07/23/11	42
cis-1,3-Dichloropropene	BDL	0.053	mg/kg	8260B	07/23/11	42
trans-1,3-Dichloropropene	BDL	0.053	mg/kg	8260B	07/23/11	42
2,2-Dichloropropane	BDL	0.053	mg/kg	8260B	07/23/11	42
Di-isopropyl ether	BDL	0.053	mg/kg	8260B	07/23/11	42
Ethylbenzene	BDL	0.053	mg/kg	8260B	07/23/11	42
Hexachloro-1,3-butadiene	BDL	0.053	mg/kg	8260B	07/23/11	42
Isopropylbenzene	BDL	0.053	mg/kg	8260B	07/23/11	42
p-Isopropyltoluene	BDL	0.053	mg/kg	8260B	07/23/11	42
2-Butanone (MEK)	BDL	0.53	mg/kg	8260B	07/23/11	42
Methylene Chloride	BDL	0.26	mg/kg	8260B	07/23/11	42
4-Methyl-2-pentanone (MIBK)	BDL	0.53	mg/kg	8260B	07/23/11	42
Methyl tert-butyl ether	BDL	0.053	mg/kg	8260B	07/23/11	42
Naphthalene	BDL	0.26	mg/kg	8260B	07/23/11	42
n-Propylbenzene	BDL	0.053	mg/kg	8260B	07/23/11	42
Styrene	BDL	0.053	mg/kg	8260B	07/23/11	42
1,1,1,2-Tetrachloroethane	BDL	0.053	mg/kg	8260B	07/23/11	42
1,1,2,2-Tetrachloroethane	BDL	0.053	mg/kg	8260B	07/23/11	42
Tetrachloroethene	BDL	0.053	mg/kg	8260B	07/23/11	42
Toluene	BDL	0.26	mg/kg	8260B	07/23/11	42
1,2,3-Trichlorobenzene	BDL	0.053	mg/kg	8260B	07/23/11	42
1,2,4-Trichlorobenzene	BDL	0.053	mg/kg	8260B	07/23/11	42
1,1,1-Trichloroethane	BDL	0.053	mg/kg	8260B	07/23/11	42
1,1,2-Trichloroethane	BDL	0.053	mg/kg	8260B	07/23/11	42
Trichloroethene	BDL	0.053	mg/kg	8260B	07/23/11	42
Trichlorofluoromethane	BDL	0.26	mg/kg	8260B	07/23/11	42
1,2,3-Trichloropropane	BDL	0.13	mg/kg	8260B	07/23/11	42
1,2,4-Trimethylbenzene	BDL	0.053	mg/kg	8260B	07/23/11	42
1,3,5-Trimethylbenzene	BDL	0.053	mg/kg	8260B	07/23/11	42
Vinyl chloride	BDL	0.053	mg/kg	8260B	07/23/11	42
Xylenes, Total	BDL	0.16	mg/kg	8260B	07/23/11	42
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	07/23/11	42
Dibromofluoromethane	101.		% Rec.	8260B	07/23/11	42
4-Bromofluorobenzene	97.9		% Rec.	8260B	07/23/11	42
Base/Neutral Extractables						
Acenaphthene	BDL	0.042	mg/kg	8270C	07/28/11	1
Acenaphthylene	BDL	0.042	mg/kg	8270C	07/28/11	1
Anthracene	BDL	0.042	mg/kg	8270C	07/28/11	1
Benzidine	BDL	0.42	mg/kg	8270C	07/28/11	1
Benzo(a)anthracene	BDL	0.042	mg/kg	8270C	07/28/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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L527450-01 (V8260TIC) - Cannot run lower, client sent only MeOH vial.

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Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-01

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-1 5-7FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 08:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	BDL	0.042	mg/kg	8270C	07/28/11	1
Benzo(k)fluoranthene	BDL	0.042	mg/kg	8270C	07/28/11	1
Benzo(g,h,i)perylene	BDL	0.042	mg/kg	8270C	07/28/11	1
Benzo(a)pyrene	BDL	0.042	mg/kg	8270C	07/28/11	1
Bis(2-chlorethoxy)methane	BDL	0.42	mg/kg	8270C	07/28/11	1
Bis(2-chloroethyl)ether	BDL	0.42	mg/kg	8270C	07/28/11	1
Bis(2-chloroisopropyl)ether	BDL	0.42	mg/kg	8270C	07/28/11	1
4-Bromophenyl-phenylether	BDL	0.42	mg/kg	8270C	07/28/11	1
2-Chloronaphthalene	BDL	0.042	mg/kg	8270C	07/28/11	1
4-Chlorophenyl-phenylether	BDL	0.42	mg/kg	8270C	07/28/11	1
Chrysene	BDL	0.042	mg/kg	8270C	07/28/11	1
Dibenz(a,h)anthracene	BDL	0.042	mg/kg	8270C	07/28/11	1
3,3-Dichlorobenzidine	BDL	0.42	mg/kg	8270C	07/28/11	1
2,4-Dinitrotoluene	BDL	0.42	mg/kg	8270C	07/28/11	1
2,6-Dinitrotoluene	BDL	0.42	mg/kg	8270C	07/28/11	1
Fluoranthene	BDL	0.042	mg/kg	8270C	07/28/11	1
Fluorene	BDL	0.042	mg/kg	8270C	07/28/11	1
Hexachlorobenzene	BDL	0.42	mg/kg	8270C	07/28/11	1
Hexachloro-1,3-butadiene	BDL	0.42	mg/kg	8270C	07/28/11	1
Hexachlorocyclopentadiene	BDL	0.42	mg/kg	8270C	07/28/11	1
Hexachloroethane	BDL	0.42	mg/kg	8270C	07/28/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.042	mg/kg	8270C	07/28/11	1
Isophorone	BDL	0.42	mg/kg	8270C	07/28/11	1
2-Methylnaphthalene	BDL	0.042	mg/kg	8270C	07/28/11	1
Naphthalene	BDL	0.042	mg/kg	8270C	07/28/11	1
Nitrobenzene	BDL	0.42	mg/kg	8270C	07/28/11	1
n-Nitrosodimethylamine	BDL	0.42	mg/kg	8270C	07/28/11	1
n-Nitrosodiphenylamine	BDL	0.42	mg/kg	8270C	07/28/11	1
n-Nitrosodi-n-propylamine	BDL	0.42	mg/kg	8270C	07/28/11	1
Phenanthrene	BDL	0.042	mg/kg	8270C	07/28/11	1
Benzylbutyl phthalate	BDL	0.42	mg/kg	8270C	07/28/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.42	mg/kg	8270C	07/28/11	1
Di-n-butyl phthalate	BDL	0.42	mg/kg	8270C	07/28/11	1
Diethyl phthalate	BDL	0.42	mg/kg	8270C	07/28/11	1
Dimethyl phthalate	BDL	0.42	mg/kg	8270C	07/28/11	1
Di-n-octyl phthalate	BDL	0.42	mg/kg	8270C	07/28/11	1
Pyrene	BDL	0.042	mg/kg	8270C	07/28/11	1
1,2,4-Trichlorobenzene	BDL	0.42	mg/kg	8270C	07/28/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.42	mg/kg	8270C	07/28/11	1
2-Chlorophenol	BDL	0.42	mg/kg	8270C	07/28/11	1
2,4-Dichlorophenol	BDL	0.42	mg/kg	8270C	07/28/11	1
2,4-Dimethylphenol	BDL	0.42	mg/kg	8270C	07/28/11	1
4,6-Dinitro-2-methylphenol	BDL	0.42	mg/kg	8270C	07/28/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-01

Site ID : ELON NC

Project # : B11164100

Date Received : July 22, 2011
Description : Site Investigation

Sample ID : MW-1 5-7FT

Collected By : Larry Bertsch
Collection Date : 07/19/11 08:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.42	mg/kg	8270C	07/28/11	1
2-Nitrophenol	BDL	0.42	mg/kg	8270C	07/28/11	1
4-Nitrophenol	BDL	0.42	mg/kg	8270C	07/28/11	1
Pentachlorophenol	BDL	0.42	mg/kg	8270C	07/28/11	1
Phenol	BDL	0.42	mg/kg	8270C	07/28/11	1
2,4,6-Trichlorophenol	BDL	0.42	mg/kg	8270C	07/28/11	1
Surrogate Recovery						
Nitrobenzene-d5	75.1		% Rec.	8270C	07/28/11	1
2-Fluorobiphenyl	76.2		% Rec.	8270C	07/28/11	1
p-Terphenyl-d14	82.2		% Rec.	8270C	07/28/11	1
Phenol-d5	94.8		% Rec.	8270C	07/28/11	1
2-Fluorophenol	54.2		% Rec.	8270C	07/28/11	1
2,4,6-Tribromophenol	84.1		% Rec.	8270C	07/28/11	1

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Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 09/21/11 15:30 Revised: 12/21/11 17:43
L527450-01 (V8260TIC) - Cannot run lower, client sent only MeOH vial.

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-02

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-2 3-5FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 09:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	76.		%	2540G	07/28/11	1
Mercury	BDL	0.026	mg/kg	7471	07/26/11	1
Arsenic	BDL	1.3	mg/kg	6010B	07/23/11	1
Barium	36.	0.33	mg/kg	6010B	07/23/11	1
Cadmium	BDL	0.33	mg/kg	6010B	07/23/11	1
Chromium	17.	0.66	mg/kg	6010B	07/23/11	1
Lead	19.	0.33	mg/kg	6010B	07/23/11	1
Selenium	BDL	1.3	mg/kg	6010B	07/23/11	1
Silver	BDL	0.66	mg/kg	6010B	07/23/11	1
Volatile Organics						
Acetone	BDL	2.6	mg/kg	8260B	07/23/11	39
Acrylonitrile	BDL	0.51	mg/kg	8260B	07/23/11	39
Benzene	BDL	0.051	mg/kg	8260B	07/23/11	39
Bromobenzene	BDL	0.051	mg/kg	8260B	07/23/11	39
Bromodichloromethane	BDL	0.051	mg/kg	8260B	07/23/11	39
Bromoform	BDL	0.051	mg/kg	8260B	07/23/11	39
Bromomethane	BDL	0.26	mg/kg	8260B	07/23/11	39
n-Butylbenzene	BDL	0.051	mg/kg	8260B	07/23/11	39
sec-Butylbenzene	BDL	0.051	mg/kg	8260B	07/23/11	39
tert-Butylbenzene	BDL	0.051	mg/kg	8260B	07/23/11	39
Carbon tetrachloride	BDL	0.051	mg/kg	8260B	07/23/11	39
Chlorobenzene	BDL	0.051	mg/kg	8260B	07/23/11	39
Chlorodibromomethane	BDL	0.051	mg/kg	8260B	07/23/11	39
Chloroethane	BDL	0.26	mg/kg	8260B	07/23/11	39
2-Chloroethyl vinyl ether	BDL	2.6	mg/kg	8260B	07/23/11	39
Chloroform	BDL	0.26	mg/kg	8260B	07/23/11	39
Chloromethane	BDL	0.13	mg/kg	8260B	07/23/11	39
2-Chlorotoluene	BDL	0.051	mg/kg	8260B	07/23/11	39
4-Chlorotoluene	BDL	0.051	mg/kg	8260B	07/23/11	39
1,2-Dibromo-3-Chloropropane	BDL	0.26	mg/kg	8260B	07/23/11	39
1,2-Dibromoethane	BDL	0.051	mg/kg	8260B	07/23/11	39
Dibromomethane	BDL	0.051	mg/kg	8260B	07/23/11	39
1,2-Dichlorobenzene	BDL	0.051	mg/kg	8260B	07/23/11	39
1,3-Dichlorobenzene	BDL	0.051	mg/kg	8260B	07/23/11	39
1,4-Dichlorobenzene	BDL	0.051	mg/kg	8260B	07/23/11	39
Dichlorodifluoromethane	BDL	0.26	mg/kg	8260B	07/23/11	39
1,1-Dichloroethane	BDL	0.051	mg/kg	8260B	07/23/11	39
1,2-Dichloroethane	BDL	0.051	mg/kg	8260B	07/23/11	39
1,1-Dichloroethene	BDL	0.051	mg/kg	8260B	07/23/11	39
cis-1,2-Dichloroethene	BDL	0.051	mg/kg	8260B	07/23/11	39
trans-1,2-Dichloroethene	BDL	0.051	mg/kg	8260B	07/23/11	39

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-02

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-2 3-5FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 09:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.051	mg/kg	8260B	07/23/11	39
1,1-Dichloropropene	BDL	0.051	mg/kg	8260B	07/23/11	39
1,3-Dichloropropane	BDL	0.051	mg/kg	8260B	07/23/11	39
cis-1,3-Dichloropropene	BDL	0.051	mg/kg	8260B	07/23/11	39
trans-1,3-Dichloropropene	BDL	0.051	mg/kg	8260B	07/23/11	39
2,2-Dichloropropane	BDL	0.051	mg/kg	8260B	07/23/11	39
Di-isopropyl ether	BDL	0.051	mg/kg	8260B	07/23/11	39
Ethylbenzene	BDL	0.051	mg/kg	8260B	07/23/11	39
Hexachloro-1,3-butadiene	BDL	0.051	mg/kg	8260B	07/23/11	39
Isopropylbenzene	BDL	0.051	mg/kg	8260B	07/23/11	39
p-Isopropyltoluene	BDL	0.051	mg/kg	8260B	07/23/11	39
2-Butanone (MEK)	BDL	0.51	mg/kg	8260B	07/23/11	39
Methylene Chloride	BDL	0.26	mg/kg	8260B	07/23/11	39
4-Methyl-2-pentanone (MIBK)	BDL	0.51	mg/kg	8260B	07/23/11	39
Methyl tert-butyl ether	BDL	0.051	mg/kg	8260B	07/23/11	39
Naphthalene	BDL	0.26	mg/kg	8260B	07/23/11	39
n-Propylbenzene	BDL	0.051	mg/kg	8260B	07/23/11	39
Styrene	BDL	0.051	mg/kg	8260B	07/23/11	39
1,1,1,2-Tetrachloroethane	BDL	0.051	mg/kg	8260B	07/23/11	39
1,1,2,2-Tetrachloroethane	BDL	0.051	mg/kg	8260B	07/23/11	39
Tetrachloroethene	BDL	0.051	mg/kg	8260B	07/23/11	39
Toluene	BDL	0.26	mg/kg	8260B	07/23/11	39
1,2,3-Trichlorobenzene	BDL	0.051	mg/kg	8260B	07/23/11	39
1,2,4-Trichlorobenzene	BDL	0.051	mg/kg	8260B	07/23/11	39
1,1,1-Trichloroethane	BDL	0.051	mg/kg	8260B	07/23/11	39
1,1,2-Trichloroethane	BDL	0.051	mg/kg	8260B	07/23/11	39
Trichloroethene	BDL	0.051	mg/kg	8260B	07/23/11	39
Trichlorofluoromethane	BDL	0.26	mg/kg	8260B	07/23/11	39
1,2,3-Trichloropropane	BDL	0.13	mg/kg	8260B	07/23/11	39
1,2,4-Trimethylbenzene	BDL	0.051	mg/kg	8260B	07/23/11	39
1,3,5-Trimethylbenzene	BDL	0.051	mg/kg	8260B	07/23/11	39
Vinyl chloride	BDL	0.051	mg/kg	8260B	07/23/11	39
Xylenes, Total	BDL	0.16	mg/kg	8260B	07/23/11	39
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	07/23/11	39
Dibromofluoromethane	99.5		% Rec.	8260B	07/23/11	39
4-Bromofluorobenzene	98.2		% Rec.	8260B	07/23/11	39
Base/Neutral Extractables						
Acenaphthene	BDL	0.044	mg/kg	8270C	07/28/11	1
Acenaphthylene	BDL	0.044	mg/kg	8270C	07/28/11	1
Anthracene	BDL	0.044	mg/kg	8270C	07/28/11	1
Benzidine	BDL	0.44	mg/kg	8270C	07/28/11	1
Benzo(a)anthracene	BDL	0.044	mg/kg	8270C	07/28/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-02

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-2 3-5FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 09:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	BDL	0.044	mg/kg	8270C	07/28/11	1
Benzo(k)fluoranthene	BDL	0.044	mg/kg	8270C	07/28/11	1
Benzo(g,h,i)perylene	BDL	0.044	mg/kg	8270C	07/28/11	1
Benzo(a)pyrene	BDL	0.044	mg/kg	8270C	07/28/11	1
Bis(2-chlorethoxy)methane	BDL	0.44	mg/kg	8270C	07/28/11	1
Bis(2-chloroethyl)ether	BDL	0.44	mg/kg	8270C	07/28/11	1
Bis(2-chloroisopropyl)ether	BDL	0.44	mg/kg	8270C	07/28/11	1
4-Bromophenyl-phenylether	BDL	0.44	mg/kg	8270C	07/28/11	1
2-Chloronaphthalene	BDL	0.044	mg/kg	8270C	07/28/11	1
4-Chlorophenyl-phenylether	BDL	0.44	mg/kg	8270C	07/28/11	1
Chrysene	BDL	0.044	mg/kg	8270C	07/28/11	1
Dibenz(a,h)anthracene	BDL	0.044	mg/kg	8270C	07/28/11	1
3,3-Dichlorobenzidine	BDL	0.44	mg/kg	8270C	07/28/11	1
2,4-Dinitrotoluene	BDL	0.44	mg/kg	8270C	07/28/11	1
2,6-Dinitrotoluene	BDL	0.44	mg/kg	8270C	07/28/11	1
Fluoranthene	BDL	0.044	mg/kg	8270C	07/28/11	1
Fluorene	BDL	0.044	mg/kg	8270C	07/28/11	1
Hexachlorobenzene	BDL	0.44	mg/kg	8270C	07/28/11	1
Hexachloro-1,3-butadiene	BDL	0.44	mg/kg	8270C	07/28/11	1
Hexachlorocyclopentadiene	BDL	0.44	mg/kg	8270C	07/28/11	1
Hexachloroethane	BDL	0.44	mg/kg	8270C	07/28/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.044	mg/kg	8270C	07/28/11	1
Isophorone	BDL	0.44	mg/kg	8270C	07/28/11	1
2-Methylnaphthalene	BDL	0.044	mg/kg	8270C	07/28/11	1
Naphthalene	BDL	0.044	mg/kg	8270C	07/28/11	1
Nitrobenzene	BDL	0.44	mg/kg	8270C	07/28/11	1
n-Nitrosodimethylamine	BDL	0.44	mg/kg	8270C	07/28/11	1
n-Nitrosodiphenylamine	BDL	0.44	mg/kg	8270C	07/28/11	1
n-Nitrosodi-n-propylamine	BDL	0.44	mg/kg	8270C	07/28/11	1
Phenanthrene	BDL	0.044	mg/kg	8270C	07/28/11	1
Benzylbutyl phthalate	BDL	0.44	mg/kg	8270C	07/28/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.44	mg/kg	8270C	07/28/11	1
Di-n-butyl phthalate	BDL	0.44	mg/kg	8270C	07/28/11	1
Diethyl phthalate	BDL	0.44	mg/kg	8270C	07/28/11	1
Dimethyl phthalate	BDL	0.44	mg/kg	8270C	07/28/11	1
Di-n-octyl phthalate	BDL	0.44	mg/kg	8270C	07/28/11	1
Pyrene	BDL	0.044	mg/kg	8270C	07/28/11	1
1,2,4-Trichlorobenzene	BDL	0.44	mg/kg	8270C	07/28/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.44	mg/kg	8270C	07/28/11	1
2-Chlorophenol	BDL	0.44	mg/kg	8270C	07/28/11	1
2,4-Dichlorophenol	BDL	0.44	mg/kg	8270C	07/28/11	1
2,4-Dimethylphenol	BDL	0.44	mg/kg	8270C	07/28/11	1
4,6-Dinitro-2-methylphenol	BDL	0.44	mg/kg	8270C	07/28/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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L527450-02 (V8260TIC) - Cannot run lower, client sent only MeOH vial.

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-02

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-2 3-5FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 09:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.44	mg/kg	8270C	07/28/11	1
2-Nitrophenol	BDL	0.44	mg/kg	8270C	07/28/11	1
4-Nitrophenol	BDL	0.44	mg/kg	8270C	07/28/11	1
Pentachlorophenol	BDL	0.44	mg/kg	8270C	07/28/11	1
Phenol	BDL	0.44	mg/kg	8270C	07/28/11	1
2,4,6-Trichlorophenol	BDL	0.44	mg/kg	8270C	07/28/11	1
Surrogate Recovery						
Nitrobenzene-d5	72.5		% Rec.	8270C	07/28/11	1
2-Fluorobiphenyl	72.6		% Rec.	8270C	07/28/11	1
p-Terphenyl-d14	82.2		% Rec.	8270C	07/28/11	1
Phenol-d5	88.2		% Rec.	8270C	07/28/11	1
2-Fluorophenol	77.4		% Rec.	8270C	07/28/11	1
2,4,6-Tribromophenol	74.9		% Rec.	8270C	07/28/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 09/21/11 15:30 Revised: 12/21/11 17:43
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-03

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-3 5-7FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 10:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	74.		%	2540G	07/28/11	1
Mercury	0.029	0.027	mg/kg	7471	07/26/11	1
Arsenic	BDL	6.8	mg/kg	6010B	07/23/11	5
Barium	20.	1.7	mg/kg	6010B	07/23/11	5
Cadmium	BDL	1.7	mg/kg	6010B	07/23/11	5
Chromium	11.	3.4	mg/kg	6010B	07/23/11	5
Lead	8.7	1.7	mg/kg	6010B	07/23/11	5
Selenium	12.	6.8	mg/kg	6010B	07/23/11	5
Silver	BDL	3.4	mg/kg	6010B	07/23/11	5
Volatile Organics						
Acetone	BDL	2.8	mg/kg	8260B	07/23/11	42.5
Acrylonitrile	BDL	0.57	mg/kg	8260B	07/23/11	42.5
Benzene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Bromobenzene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Bromodichloromethane	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Bromoform	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Bromomethane	BDL	0.28	mg/kg	8260B	07/23/11	42.5
n-Butylbenzene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
sec-Butylbenzene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
tert-Butylbenzene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Carbon tetrachloride	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Chlorobenzene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Chlorodibromomethane	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Chloroethane	BDL	0.28	mg/kg	8260B	07/23/11	42.5
2-Chloroethyl vinyl ether	BDL	2.8	mg/kg	8260B	07/23/11	42.5
Chloroform	BDL	0.28	mg/kg	8260B	07/23/11	42.5
Chloromethane	BDL	0.15	mg/kg	8260B	07/23/11	42.5
2-Chlorotoluene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
4-Chlorotoluene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
1,2-Dibromo-3-Chloropropane	BDL	0.28	mg/kg	8260B	07/23/11	42.5
1,2-Dibromoethane	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Dibromomethane	BDL	0.057	mg/kg	8260B	07/23/11	42.5
1,2-Dichlorobenzene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
1,3-Dichlorobenzene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
1,4-Dichlorobenzene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Dichlorodifluoromethane	BDL	0.28	mg/kg	8260B	07/23/11	42.5
1,1-Dichloroethane	BDL	0.057	mg/kg	8260B	07/23/11	42.5
1,2-Dichloroethane	BDL	0.057	mg/kg	8260B	07/23/11	42.5
1,1-Dichloroethene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
cis-1,2-Dichloroethene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
trans-1,2-Dichloroethene	BDL	0.057	mg/kg	8260B	07/23/11	42.5

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-03

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-3 5-7FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 10:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.057	mg/kg	8260B	07/23/11	42.5
1,1-Dichloropropene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
1,3-Dichloropropane	BDL	0.057	mg/kg	8260B	07/23/11	42.5
cis-1,3-Dichloropropene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
trans-1,3-Dichloropropene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
2,2-Dichloropropane	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Di-isopropyl ether	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Ethylbenzene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Hexachloro-1,3-butadiene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Isopropylbenzene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
p-Isopropyltoluene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
2-Butanone (MEK)	BDL	0.57	mg/kg	8260B	07/23/11	42.5
Methylene Chloride	BDL	0.28	mg/kg	8260B	07/23/11	42.5
4-Methyl-2-pentanone (MIBK)	BDL	0.57	mg/kg	8260B	07/23/11	42.5
Methyl tert-butyl ether	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Naphthalene	BDL	0.28	mg/kg	8260B	07/23/11	42.5
n-Propylbenzene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Styrene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
1,1,1,2-Tetrachloroethane	BDL	0.057	mg/kg	8260B	07/23/11	42.5
1,1,2,2-Tetrachloroethane	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Tetrachloroethene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Toluene	BDL	0.28	mg/kg	8260B	07/23/11	42.5
1,2,3-Trichlorobenzene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
1,2,4-Trichlorobenzene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
1,1,1-Trichloroethane	BDL	0.057	mg/kg	8260B	07/23/11	42.5
1,1,2-Trichloroethane	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Trichloroethene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Trichlorofluoromethane	BDL	0.28	mg/kg	8260B	07/23/11	42.5
1,2,3-Trichloropropane	BDL	0.15	mg/kg	8260B	07/23/11	42.5
1,2,4-Trimethylbenzene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
1,3,5-Trimethylbenzene	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Vinyl chloride	BDL	0.057	mg/kg	8260B	07/23/11	42.5
Xylenes, Total	BDL	0.18	mg/kg	8260B	07/23/11	42.5
Surrogate Recovery						
Toluene-d8	107.		% Rec.	8260B	07/23/11	42.5
Dibromofluoromethane	100.		% Rec.	8260B	07/23/11	42.5
4-Bromofluorobenzene	101.		% Rec.	8260B	07/23/11	42.5
Base/Neutral Extractables						
Acenaphthene	BDL	0.045	mg/kg	8270C	07/28/11	1
Acenaphthylene	BDL	0.045	mg/kg	8270C	07/28/11	1
Anthracene	BDL	0.045	mg/kg	8270C	07/28/11	1
Benzidine	BDL	0.45	mg/kg	8270C	07/28/11	1
Benzo(a)anthracene	BDL	0.045	mg/kg	8270C	07/28/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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L527450-03 (V8260TIC) - Cannot run lower, client sent only MeOH vial.

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-03

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-3 5-7FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 10:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	BDL	0.045	mg/kg	8270C	07/28/11	1
Benzo(k)fluoranthene	BDL	0.045	mg/kg	8270C	07/28/11	1
Benzo(g,h,i)perylene	BDL	0.045	mg/kg	8270C	07/28/11	1
Benzo(a)pyrene	BDL	0.045	mg/kg	8270C	07/28/11	1
Bis(2-chlorethoxy)methane	BDL	0.45	mg/kg	8270C	07/28/11	1
Bis(2-chloroethyl)ether	BDL	0.45	mg/kg	8270C	07/28/11	1
Bis(2-chloroisopropyl)ether	BDL	0.45	mg/kg	8270C	07/28/11	1
4-Bromophenyl-phenylether	BDL	0.45	mg/kg	8270C	07/28/11	1
2-Chloronaphthalene	BDL	0.045	mg/kg	8270C	07/28/11	1
4-Chlorophenyl-phenylether	BDL	0.45	mg/kg	8270C	07/28/11	1
Chrysene	BDL	0.045	mg/kg	8270C	07/28/11	1
Dibenz(a,h)anthracene	BDL	0.045	mg/kg	8270C	07/28/11	1
3,3-Dichlorobenzidine	BDL	0.45	mg/kg	8270C	07/28/11	1
2,4-Dinitrotoluene	BDL	0.45	mg/kg	8270C	07/28/11	1
2,6-Dinitrotoluene	BDL	0.45	mg/kg	8270C	07/28/11	1
Fluoranthene	BDL	0.045	mg/kg	8270C	07/28/11	1
Fluorene	BDL	0.045	mg/kg	8270C	07/28/11	1
Hexachlorobenzene	BDL	0.45	mg/kg	8270C	07/28/11	1
Hexachloro-1,3-butadiene	BDL	0.45	mg/kg	8270C	07/28/11	1
Hexachlorocyclopentadiene	BDL	0.45	mg/kg	8270C	07/28/11	1
Hexachloroethane	BDL	0.45	mg/kg	8270C	07/28/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.045	mg/kg	8270C	07/28/11	1
Isophorone	BDL	0.45	mg/kg	8270C	07/28/11	1
2-Methylnaphthalene	BDL	0.045	mg/kg	8270C	07/28/11	1
Naphthalene	BDL	0.045	mg/kg	8270C	07/28/11	1
Nitrobenzene	BDL	0.45	mg/kg	8270C	07/28/11	1
n-Nitrosodimethylamine	BDL	0.45	mg/kg	8270C	07/28/11	1
n-Nitrosodiphenylamine	BDL	0.45	mg/kg	8270C	07/28/11	1
n-Nitrosodi-n-propylamine	BDL	0.45	mg/kg	8270C	07/28/11	1
Phenanthrene	BDL	0.045	mg/kg	8270C	07/28/11	1
Benzylbutyl phthalate	BDL	0.45	mg/kg	8270C	07/28/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.45	mg/kg	8270C	07/28/11	1
Di-n-butyl phthalate	BDL	0.45	mg/kg	8270C	07/28/11	1
Diethyl phthalate	BDL	0.45	mg/kg	8270C	07/28/11	1
Dimethyl phthalate	BDL	0.45	mg/kg	8270C	07/28/11	1
Di-n-octyl phthalate	BDL	0.45	mg/kg	8270C	07/28/11	1
Pyrene	BDL	0.045	mg/kg	8270C	07/28/11	1
1,2,4-Trichlorobenzene	BDL	0.45	mg/kg	8270C	07/28/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.45	mg/kg	8270C	07/28/11	1
2-Chlorophenol	BDL	0.45	mg/kg	8270C	07/28/11	1
2,4-Dichlorophenol	BDL	0.45	mg/kg	8270C	07/28/11	1
2,4-Dimethylphenol	BDL	0.45	mg/kg	8270C	07/28/11	1
4,6-Dinitro-2-methylphenol	BDL	0.45	mg/kg	8270C	07/28/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-03

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-3 5-7FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 10:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.45	mg/kg	8270C	07/28/11	1
2-Nitrophenol	BDL	0.45	mg/kg	8270C	07/28/11	1
4-Nitrophenol	BDL	0.45	mg/kg	8270C	07/28/11	1
Pentachlorophenol	BDL	0.45	mg/kg	8270C	07/28/11	1
Phenol	BDL	0.45	mg/kg	8270C	07/28/11	1
2,4,6-Trichlorophenol	BDL	0.45	mg/kg	8270C	07/28/11	1
Surrogate Recovery						
Nitrobenzene-d5	77.7		% Rec.	8270C	07/28/11	1
2-Fluorobiphenyl	77.0		% Rec.	8270C	07/28/11	1
p-Terphenyl-d14	77.5		% Rec.	8270C	07/28/11	1
Phenol-d5	95.9		% Rec.	8270C	07/28/11	1
2-Fluorophenol	58.5		% Rec.	8270C	07/28/11	1
2,4,6-Tribromophenol	75.6		% Rec.	8270C	07/28/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 09/21/11 15:30 Revised: 12/21/11 17:43
L527450-03 (V8260TIC) - Cannot run lower, client sent only MeOH vial.

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-04

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-4 8-10FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 14:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	67.		%	2540G	07/28/11	1
Mercury	0.10	0.030	mg/kg	7471	07/26/11	1
Arsenic	BDL	1.5	mg/kg	6010B	07/23/11	1
Barium	31.	0.37	mg/kg	6010B	07/23/11	1
Cadmium	BDL	0.37	mg/kg	6010B	07/23/11	1
Chromium	81.	0.75	mg/kg	6010B	07/23/11	1
Lead	10.	0.37	mg/kg	6010B	07/23/11	1
Selenium	5.8	1.5	mg/kg	6010B	07/23/11	1
Silver	1.2	0.75	mg/kg	6010B	07/23/11	1
TPH (GC/FID) Low Fraction	BDL	6.1	mg/kg	8015D/GRO	07/23/11	41
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	99.3		% Rec.	8015D/GRO	07/23/11	41
Volatile Organics						
Acetone	BDL	3.0	mg/kg	8260B	07/23/11	41
Acrylonitrile	BDL	0.61	mg/kg	8260B	07/23/11	41
Benzene	BDL	0.061	mg/kg	8260B	07/23/11	41
Bromobenzene	BDL	0.061	mg/kg	8260B	07/23/11	41
Bromodichloromethane	BDL	0.061	mg/kg	8260B	07/23/11	41
Bromoform	BDL	0.061	mg/kg	8260B	07/23/11	41
Bromomethane	BDL	0.30	mg/kg	8260B	07/23/11	41
n-Butylbenzene	BDL	0.061	mg/kg	8260B	07/23/11	41
sec-Butylbenzene	BDL	0.061	mg/kg	8260B	07/23/11	41
tert-Butylbenzene	BDL	0.061	mg/kg	8260B	07/23/11	41
Carbon tetrachloride	BDL	0.061	mg/kg	8260B	07/23/11	41
Chlorobenzene	BDL	0.061	mg/kg	8260B	07/23/11	41
Chlorodibromomethane	BDL	0.061	mg/kg	8260B	07/23/11	41
Chloroethane	BDL	0.30	mg/kg	8260B	07/23/11	41
2-Chloroethyl vinyl ether	BDL	3.0	mg/kg	8260B	07/23/11	41
Chloroform	BDL	0.30	mg/kg	8260B	07/23/11	41
Chloromethane	BDL	0.15	mg/kg	8260B	07/23/11	41
2-Chlorotoluene	BDL	0.061	mg/kg	8260B	07/23/11	41
4-Chlorotoluene	BDL	0.061	mg/kg	8260B	07/23/11	41
1,2-Dibromo-3-Chloropropane	BDL	0.30	mg/kg	8260B	07/23/11	41
1,2-Dibromoethane	BDL	0.061	mg/kg	8260B	07/23/11	41
Dibromomethane	BDL	0.061	mg/kg	8260B	07/23/11	41
1,2-Dichlorobenzene	BDL	0.061	mg/kg	8260B	07/23/11	41
1,3-Dichlorobenzene	BDL	0.061	mg/kg	8260B	07/23/11	41
1,4-Dichlorobenzene	BDL	0.061	mg/kg	8260B	07/23/11	41
Dichlorodifluoromethane	BDL	0.30	mg/kg	8260B	07/23/11	41
1,1-Dichloroethane	BDL	0.061	mg/kg	8260B	07/23/11	41

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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L527450-04 (V8260TIC) - Cannot run lower, client sent only MeOH vial.

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Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-04

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-4 8-10FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 14:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.061	mg/kg	8260B	07/23/11	41
1,1-Dichloroethene	BDL	0.061	mg/kg	8260B	07/23/11	41
cis-1,2-Dichloroethene	BDL	0.061	mg/kg	8260B	07/23/11	41
trans-1,2-Dichloroethene	BDL	0.061	mg/kg	8260B	07/23/11	41
1,2-Dichloropropane	BDL	0.061	mg/kg	8260B	07/23/11	41
1,1-Dichloropropene	BDL	0.061	mg/kg	8260B	07/23/11	41
1,3-Dichloropropane	BDL	0.061	mg/kg	8260B	07/23/11	41
cis-1,3-Dichloropropene	BDL	0.061	mg/kg	8260B	07/23/11	41
trans-1,3-Dichloropropene	BDL	0.061	mg/kg	8260B	07/23/11	41
2,2-Dichloropropane	BDL	0.061	mg/kg	8260B	07/23/11	41
Di-isopropyl ether	BDL	0.061	mg/kg	8260B	07/23/11	41
Ethylbenzene	BDL	0.061	mg/kg	8260B	07/23/11	41
Hexachloro-1,3-butadiene	BDL	0.061	mg/kg	8260B	07/23/11	41
Isopropylbenzene	BDL	0.061	mg/kg	8260B	07/23/11	41
p-Isopropyltoluene	BDL	0.061	mg/kg	8260B	07/23/11	41
2-Butanone (MEK)	BDL	0.61	mg/kg	8260B	07/23/11	41
Methylene Chloride	BDL	0.30	mg/kg	8260B	07/23/11	41
4-Methyl-2-pentanone (MIBK)	BDL	0.61	mg/kg	8260B	07/23/11	41
Methyl tert-butyl ether	BDL	0.061	mg/kg	8260B	07/23/11	41
Naphthalene	BDL	0.30	mg/kg	8260B	07/23/11	41
n-Propylbenzene	BDL	0.061	mg/kg	8260B	07/23/11	41
Styrene	BDL	0.061	mg/kg	8260B	07/23/11	41
1,1,1,2-Tetrachloroethane	BDL	0.061	mg/kg	8260B	07/23/11	41
1,1,2,2-Tetrachloroethane	BDL	0.061	mg/kg	8260B	07/23/11	41
Tetrachloroethene	BDL	0.061	mg/kg	8260B	07/23/11	41
Toluene	BDL	0.30	mg/kg	8260B	07/23/11	41
1,2,3-Trichlorobenzene	BDL	0.061	mg/kg	8260B	07/23/11	41
1,2,4-Trichlorobenzene	BDL	0.061	mg/kg	8260B	07/23/11	41
1,1,1-Trichloroethane	BDL	0.061	mg/kg	8260B	07/23/11	41
1,1,2-Trichloroethane	BDL	0.061	mg/kg	8260B	07/23/11	41
Trichloroethene	BDL	0.061	mg/kg	8260B	07/23/11	41
Trichlorofluoromethane	BDL	0.30	mg/kg	8260B	07/23/11	41
1,2,3-Trichloropropane	BDL	0.15	mg/kg	8260B	07/23/11	41
1,2,4-Trimethylbenzene	BDL	0.061	mg/kg	8260B	07/23/11	41
1,3,5-Trimethylbenzene	BDL	0.061	mg/kg	8260B	07/23/11	41
Vinyl chloride	BDL	0.061	mg/kg	8260B	07/23/11	41
Xylenes, Total	BDL	0.18	mg/kg	8260B	07/23/11	41
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	07/23/11	41
Dibromofluoromethane	101.		% Rec.	8260B	07/23/11	41
4-Bromofluorobenzene	102.		% Rec.	8260B	07/23/11	41
TPH (GC/FID) High Fraction	BDL	6.0	mg/kg	3546/DRO	07/28/11	1
Surrogate recovery(%)						

Results listed are dry weight basis.
BDL - Below Detection Limit
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-04

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-4 8-10FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 14:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
o-Terphenyl	83.4		% Rec.	3546/DRO	07/28/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.049	mg/kg	8270C	07/29/11	1
Acenaphthylene	BDL	0.049	mg/kg	8270C	07/29/11	1
Anthracene	BDL	0.049	mg/kg	8270C	07/29/11	1
Benzidine	BDL	0.50	mg/kg	8270C	07/29/11	1
Benzo(a)anthracene	BDL	0.049	mg/kg	8270C	07/29/11	1
Benzo(b)fluoranthene	BDL	0.049	mg/kg	8270C	07/29/11	1
Benzo(k)fluoranthene	BDL	0.049	mg/kg	8270C	07/29/11	1
Benzo(g,h,i)perylene	BDL	0.049	mg/kg	8270C	07/29/11	1
Benzo(a)pyrene	BDL	0.049	mg/kg	8270C	07/29/11	1
Bis(2-chlorethoxy)methane	BDL	0.50	mg/kg	8270C	07/29/11	1
Bis(2-chloroethyl)ether	BDL	0.50	mg/kg	8270C	07/29/11	1
Bis(2-chloroisopropyl)ether	BDL	0.50	mg/kg	8270C	07/29/11	1
4-Bromophenyl-phenylether	BDL	0.50	mg/kg	8270C	07/29/11	1
2-Chloronaphthalene	BDL	0.049	mg/kg	8270C	07/29/11	1
4-Chlorophenyl-phenylether	BDL	0.50	mg/kg	8270C	07/29/11	1
Chrysene	BDL	0.049	mg/kg	8270C	07/29/11	1
Dibenz(a,h)anthracene	BDL	0.049	mg/kg	8270C	07/29/11	1
3,3-Dichlorobenzidine	BDL	0.50	mg/kg	8270C	07/29/11	1
2,4-Dinitrotoluene	BDL	0.50	mg/kg	8270C	07/29/11	1
2,6-Dinitrotoluene	BDL	0.50	mg/kg	8270C	07/29/11	1
Fluoranthene	BDL	0.049	mg/kg	8270C	07/29/11	1
Fluorene	BDL	0.049	mg/kg	8270C	07/29/11	1
Hexachlorobenzene	BDL	0.50	mg/kg	8270C	07/29/11	1
Hexachloro-1,3-butadiene	BDL	0.50	mg/kg	8270C	07/29/11	1
Hexachlorocyclopentadiene	BDL	0.50	mg/kg	8270C	07/29/11	1
Hexachloroethane	BDL	0.50	mg/kg	8270C	07/29/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.049	mg/kg	8270C	07/29/11	1
Isophorone	BDL	0.50	mg/kg	8270C	07/29/11	1
2-Methylnaphthalene	BDL	0.049	mg/kg	8270C	07/29/11	1
Naphthalene	BDL	0.049	mg/kg	8270C	07/29/11	1
Nitrobenzene	BDL	0.50	mg/kg	8270C	07/29/11	1
n-Nitrosodimethylamine	BDL	0.50	mg/kg	8270C	07/29/11	1
n-Nitrosodiphenylamine	BDL	0.50	mg/kg	8270C	07/29/11	1
n-Nitrosodi-n-propylamine	BDL	0.50	mg/kg	8270C	07/29/11	1
Phenanthrene	BDL	0.049	mg/kg	8270C	07/29/11	1
Benzylbutyl phthalate	BDL	0.50	mg/kg	8270C	07/29/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.50	mg/kg	8270C	07/29/11	1
Di-n-butyl phthalate	BDL	0.50	mg/kg	8270C	07/29/11	1
Diethyl phthalate	BDL	0.50	mg/kg	8270C	07/29/11	1
Dimethyl phthalate	BDL	0.50	mg/kg	8270C	07/29/11	1
Di-n-octyl phthalate	BDL	0.50	mg/kg	8270C	07/29/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-04

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-4 8-10FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 14:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	0.049	mg/kg	8270C	07/29/11	1
1,2,4-Trichlorobenzene	BDL	0.50	mg/kg	8270C	07/29/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.50	mg/kg	8270C	07/29/11	1
2-Chlorophenol	BDL	0.50	mg/kg	8270C	07/29/11	1
2,4-Dichlorophenol	BDL	0.50	mg/kg	8270C	07/29/11	1
2,4-Dimethylphenol	BDL	0.50	mg/kg	8270C	07/29/11	1
4,6-Dinitro-2-methylphenol	BDL	0.50	mg/kg	8270C	07/29/11	1
2,4-Dinitrophenol	BDL	0.50	mg/kg	8270C	07/29/11	1
2-Nitrophenol	BDL	0.50	mg/kg	8270C	07/29/11	1
4-Nitrophenol	BDL	0.50	mg/kg	8270C	07/29/11	1
Pentachlorophenol	BDL	0.50	mg/kg	8270C	07/29/11	1
Phenol	BDL	0.50	mg/kg	8270C	07/29/11	1
2,4,6-Trichlorophenol	BDL	0.50	mg/kg	8270C	07/29/11	1
Surrogate Recovery						
Nitrobenzene-d5	74.2		% Rec.	8270C	07/29/11	1
2-Fluorobiphenyl	83.1		% Rec.	8270C	07/29/11	1
p-Terphenyl-d14	82.6		% Rec.	8270C	07/29/11	1
Phenol-d5	84.4		% Rec.	8270C	07/29/11	1
2-Fluorophenol	78.0		% Rec.	8270C	07/29/11	1
2,4,6-Tribromophenol	76.5		% Rec.	8270C	07/29/11	1

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Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 09/21/11 15:30 Revised: 12/21/11 17:43
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-05

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-5 3-5FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 15:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	65.		%	2540G	07/28/11	1
Mercury	0.037	0.031	mg/kg	7471	07/26/11	1
Arsenic	BDL	3.1	mg/kg	6010B	07/23/11	2
Barium	24.	0.77	mg/kg	6010B	07/23/11	2
Cadmium	BDL	0.77	mg/kg	6010B	07/23/11	2
Chromium	140	1.5	mg/kg	6010B	07/23/11	2
Lead	10.	0.77	mg/kg	6010B	07/23/11	2
Selenium	7.8	3.1	mg/kg	6010B	07/23/11	2
Silver	BDL	1.5	mg/kg	6010B	07/23/11	2
Volatile Organics						
Acetone	BDL	3.2	mg/kg	8260B	07/23/11	42.5
Acrylonitrile	BDL	0.65	mg/kg	8260B	07/23/11	42.5
Benzene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Bromobenzene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Bromodichloromethane	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Bromoform	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Bromomethane	BDL	0.32	mg/kg	8260B	07/23/11	42.5
n-Butylbenzene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
sec-Butylbenzene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
tert-Butylbenzene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Carbon tetrachloride	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Chlorobenzene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Chlorodibromomethane	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Chloroethane	BDL	0.32	mg/kg	8260B	07/23/11	42.5
2-Chloroethyl vinyl ether	BDL	3.2	mg/kg	8260B	07/23/11	42.5
Chloroform	BDL	0.32	mg/kg	8260B	07/23/11	42.5
Chloromethane	BDL	0.17	mg/kg	8260B	07/23/11	42.5
2-Chlorotoluene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
4-Chlorotoluene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
1,2-Dibromo-3-Chloropropane	BDL	0.32	mg/kg	8260B	07/23/11	42.5
1,2-Dibromoethane	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Dibromomethane	BDL	0.065	mg/kg	8260B	07/23/11	42.5
1,2-Dichlorobenzene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
1,3-Dichlorobenzene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
1,4-Dichlorobenzene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Dichlorodifluoromethane	BDL	0.32	mg/kg	8260B	07/23/11	42.5
1,1-Dichloroethane	BDL	0.065	mg/kg	8260B	07/23/11	42.5
1,2-Dichloroethane	BDL	0.065	mg/kg	8260B	07/23/11	42.5
1,1-Dichloroethene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
cis-1,2-Dichloroethene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
trans-1,2-Dichloroethene	BDL	0.065	mg/kg	8260B	07/23/11	42.5

Results listed are dry weight basis.
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Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-05

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-5 3-5FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 15:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.065	mg/kg	8260B	07/23/11	42.5
1,1-Dichloropropene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
1,3-Dichloropropane	BDL	0.065	mg/kg	8260B	07/23/11	42.5
cis-1,3-Dichloropropene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
trans-1,3-Dichloropropene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
2,2-Dichloropropane	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Di-isopropyl ether	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Ethylbenzene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Hexachloro-1,3-butadiene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Isopropylbenzene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
p-Isopropyltoluene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
2-Butanone (MEK)	BDL	0.65	mg/kg	8260B	07/23/11	42.5
Methylene Chloride	BDL	0.32	mg/kg	8260B	07/23/11	42.5
4-Methyl-2-pentanone (MIBK)	BDL	0.65	mg/kg	8260B	07/23/11	42.5
Methyl tert-butyl ether	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Naphthalene	BDL	0.32	mg/kg	8260B	07/23/11	42.5
n-Propylbenzene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Styrene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
1,1,1,2-Tetrachloroethane	BDL	0.065	mg/kg	8260B	07/23/11	42.5
1,1,2,2-Tetrachloroethane	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Tetrachloroethene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Toluene	BDL	0.32	mg/kg	8260B	07/23/11	42.5
1,2,3-Trichlorobenzene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
1,2,4-Trichlorobenzene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
1,1,1-Trichloroethane	BDL	0.065	mg/kg	8260B	07/23/11	42.5
1,1,2-Trichloroethane	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Trichloroethene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Trichlorofluoromethane	BDL	0.32	mg/kg	8260B	07/23/11	42.5
1,2,3-Trichloropropane	BDL	0.17	mg/kg	8260B	07/23/11	42.5
1,2,4-Trimethylbenzene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
1,3,5-Trimethylbenzene	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Vinyl chloride	BDL	0.065	mg/kg	8260B	07/23/11	42.5
Xylenes, Total	BDL	0.20	mg/kg	8260B	07/23/11	42.5
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	07/23/11	42.5
Dibromofluoromethane	97.5		% Rec.	8260B	07/23/11	42.5
4-Bromofluorobenzene	104.		% Rec.	8260B	07/23/11	42.5
Base/Neutral Extractables						
Acenaphthene	BDL	0.051	mg/kg	8270C	07/29/11	1
Acenaphthylene	BDL	0.051	mg/kg	8270C	07/29/11	1
Anthracene	BDL	0.051	mg/kg	8270C	07/29/11	1
Benzidine	BDL	0.51	mg/kg	8270C	07/29/11	1
Benzo(a)anthracene	BDL	0.051	mg/kg	8270C	07/29/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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L527450-05 (V8260TIC) - Cannot run lower, client sent only MeOH vial.

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Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-05

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-5 3-5FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 15:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	BDL	0.051	mg/kg	8270C	07/29/11	1
Benzo(k)fluoranthene	BDL	0.051	mg/kg	8270C	07/29/11	1
Benzo(g,h,i)perylene	BDL	0.051	mg/kg	8270C	07/29/11	1
Benzo(a)pyrene	BDL	0.051	mg/kg	8270C	07/29/11	1
Bis(2-chlorethoxy)methane	BDL	0.51	mg/kg	8270C	07/29/11	1
Bis(2-chloroethyl)ether	BDL	0.51	mg/kg	8270C	07/29/11	1
Bis(2-chloroisopropyl)ether	BDL	0.51	mg/kg	8270C	07/29/11	1
4-Bromophenyl-phenylether	BDL	0.51	mg/kg	8270C	07/29/11	1
2-Chloronaphthalene	BDL	0.051	mg/kg	8270C	07/29/11	1
4-Chlorophenyl-phenylether	BDL	0.51	mg/kg	8270C	07/29/11	1
Chrysene	BDL	0.051	mg/kg	8270C	07/29/11	1
Dibenz(a,h)anthracene	BDL	0.051	mg/kg	8270C	07/29/11	1
3,3-Dichlorobenzidine	BDL	0.51	mg/kg	8270C	07/29/11	1
2,4-Dinitrotoluene	BDL	0.51	mg/kg	8270C	07/29/11	1
2,6-Dinitrotoluene	BDL	0.51	mg/kg	8270C	07/29/11	1
Fluoranthene	BDL	0.051	mg/kg	8270C	07/29/11	1
Fluorene	BDL	0.051	mg/kg	8270C	07/29/11	1
Hexachlorobenzene	BDL	0.51	mg/kg	8270C	07/29/11	1
Hexachloro-1,3-butadiene	BDL	0.51	mg/kg	8270C	07/29/11	1
Hexachlorocyclopentadiene	BDL	0.51	mg/kg	8270C	07/29/11	1
Hexachloroethane	BDL	0.51	mg/kg	8270C	07/29/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.051	mg/kg	8270C	07/29/11	1
Isophorone	BDL	0.51	mg/kg	8270C	07/29/11	1
2-Methylnaphthalene	BDL	0.051	mg/kg	8270C	07/29/11	1
Naphthalene	BDL	0.051	mg/kg	8270C	07/29/11	1
Nitrobenzene	BDL	0.51	mg/kg	8270C	07/29/11	1
n-Nitrosodimethylamine	BDL	0.51	mg/kg	8270C	07/29/11	1
n-Nitrosodiphenylamine	BDL	0.51	mg/kg	8270C	07/29/11	1
n-Nitrosodi-n-propylamine	BDL	0.51	mg/kg	8270C	07/29/11	1
Phenanthrene	BDL	0.051	mg/kg	8270C	07/29/11	1
Benzylbutyl phthalate	BDL	0.51	mg/kg	8270C	07/29/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.51	mg/kg	8270C	07/29/11	1
Di-n-butyl phthalate	BDL	0.51	mg/kg	8270C	07/29/11	1
Diethyl phthalate	BDL	0.51	mg/kg	8270C	07/29/11	1
Dimethyl phthalate	BDL	0.51	mg/kg	8270C	07/29/11	1
Di-n-octyl phthalate	BDL	0.51	mg/kg	8270C	07/29/11	1
Pyrene	BDL	0.051	mg/kg	8270C	07/29/11	1
1,2,4-Trichlorobenzene	BDL	0.51	mg/kg	8270C	07/29/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.51	mg/kg	8270C	07/29/11	1
2-Chlorophenol	BDL	0.51	mg/kg	8270C	07/29/11	1
2,4-Dichlorophenol	BDL	0.51	mg/kg	8270C	07/29/11	1
2,4-Dimethylphenol	BDL	0.51	mg/kg	8270C	07/29/11	1
4,6-Dinitro-2-methylphenol	BDL	0.51	mg/kg	8270C	07/29/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-05

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-5 3-5FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 15:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.51	mg/kg	8270C	07/29/11	1
2-Nitrophenol	BDL	0.51	mg/kg	8270C	07/29/11	1
4-Nitrophenol	BDL	0.51	mg/kg	8270C	07/29/11	1
Pentachlorophenol	BDL	0.51	mg/kg	8270C	07/29/11	1
Phenol	BDL	0.51	mg/kg	8270C	07/29/11	1
2,4,6-Trichlorophenol	BDL	0.51	mg/kg	8270C	07/29/11	1
Surrogate Recovery						
Nitrobenzene-d5	57.1		% Rec.	8270C	07/29/11	1
2-Fluorobiphenyl	67.8		% Rec.	8270C	07/29/11	1
p-Terphenyl-d14	103.		% Rec.	8270C	07/29/11	1
Phenol-d5	70.8		% Rec.	8270C	07/29/11	1
2-Fluorophenol	59.8		% Rec.	8270C	07/29/11	1
2,4,6-Tribromophenol	76.4		% Rec.	8270C	07/29/11	1

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Reported: 09/21/11 15:30 Revised: 12/21/11 17:43
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-06

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-6 0-2FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 16:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	69.		%	2540G	07/28/11	1
Mercury	0.030	0.029	mg/kg	7471	07/26/11	1
Arsenic	BDL	1.4	mg/kg	6010B	07/23/11	1
Barium	54.	0.36	mg/kg	6010B	07/23/11	1
Cadmium	BDL	0.36	mg/kg	6010B	07/23/11	1
Chromium	48.	0.73	mg/kg	6010B	07/23/11	1
Lead	8.7	0.36	mg/kg	6010B	07/23/11	1
Selenium	5.4	1.4	mg/kg	6010B	07/23/11	1
Silver	0.85	0.73	mg/kg	6010B	07/23/11	1
Volatile Organics						
Acetone	BDL	2.9	mg/kg	8260B	07/23/11	39
Acrylonitrile	BDL	0.57	mg/kg	8260B	07/23/11	39
Benzene	BDL	0.057	mg/kg	8260B	07/23/11	39
Bromobenzene	BDL	0.057	mg/kg	8260B	07/23/11	39
Bromodichloromethane	BDL	0.057	mg/kg	8260B	07/23/11	39
Bromoform	BDL	0.057	mg/kg	8260B	07/23/11	39
Bromomethane	BDL	0.29	mg/kg	8260B	07/23/11	39
n-Butylbenzene	BDL	0.057	mg/kg	8260B	07/23/11	39
sec-Butylbenzene	BDL	0.057	mg/kg	8260B	07/23/11	39
tert-Butylbenzene	BDL	0.057	mg/kg	8260B	07/23/11	39
Carbon tetrachloride	BDL	0.057	mg/kg	8260B	07/23/11	39
Chlorobenzene	BDL	0.057	mg/kg	8260B	07/23/11	39
Chlorodibromomethane	BDL	0.057	mg/kg	8260B	07/23/11	39
Chloroethane	BDL	0.29	mg/kg	8260B	07/23/11	39
2-Chloroethyl vinyl ether	BDL	2.9	mg/kg	8260B	07/23/11	39
Chloroform	BDL	0.29	mg/kg	8260B	07/23/11	39
Chloromethane	BDL	0.14	mg/kg	8260B	07/23/11	39
2-Chlorotoluene	BDL	0.057	mg/kg	8260B	07/23/11	39
4-Chlorotoluene	BDL	0.057	mg/kg	8260B	07/23/11	39
1,2-Dibromo-3-Chloropropane	BDL	0.29	mg/kg	8260B	07/23/11	39
1,2-Dibromoethane	BDL	0.057	mg/kg	8260B	07/23/11	39
Dibromomethane	BDL	0.057	mg/kg	8260B	07/23/11	39
1,2-Dichlorobenzene	BDL	0.057	mg/kg	8260B	07/23/11	39
1,3-Dichlorobenzene	BDL	0.057	mg/kg	8260B	07/23/11	39
1,4-Dichlorobenzene	BDL	0.057	mg/kg	8260B	07/23/11	39
Dichlorodifluoromethane	BDL	0.29	mg/kg	8260B	07/23/11	39
1,1-Dichloroethane	BDL	0.057	mg/kg	8260B	07/23/11	39
1,2-Dichloroethane	BDL	0.057	mg/kg	8260B	07/23/11	39
1,1-Dichloroethene	BDL	0.057	mg/kg	8260B	07/23/11	39
cis-1,2-Dichloroethene	BDL	0.057	mg/kg	8260B	07/23/11	39
trans-1,2-Dichloroethene	BDL	0.057	mg/kg	8260B	07/23/11	39

Results listed are dry weight basis.
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-06

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-6 0-2FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 16:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.057	mg/kg	8260B	07/23/11	39
1,1-Dichloropropene	BDL	0.057	mg/kg	8260B	07/23/11	39
1,3-Dichloropropane	BDL	0.057	mg/kg	8260B	07/23/11	39
cis-1,3-Dichloropropene	BDL	0.057	mg/kg	8260B	07/23/11	39
trans-1,3-Dichloropropene	BDL	0.057	mg/kg	8260B	07/23/11	39
2,2-Dichloropropane	BDL	0.057	mg/kg	8260B	07/23/11	39
Di-isopropyl ether	BDL	0.057	mg/kg	8260B	07/23/11	39
Ethylbenzene	BDL	0.057	mg/kg	8260B	07/23/11	39
Hexachloro-1,3-butadiene	BDL	0.057	mg/kg	8260B	07/23/11	39
Isopropylbenzene	BDL	0.057	mg/kg	8260B	07/23/11	39
p-Isopropyltoluene	BDL	0.057	mg/kg	8260B	07/23/11	39
2-Butanone (MEK)	BDL	0.57	mg/kg	8260B	07/23/11	39
Methylene Chloride	BDL	0.29	mg/kg	8260B	07/23/11	39
4-Methyl-2-pentanone (MIBK)	BDL	0.57	mg/kg	8260B	07/23/11	39
Methyl tert-butyl ether	BDL	0.057	mg/kg	8260B	07/23/11	39
Naphthalene	BDL	0.29	mg/kg	8260B	07/23/11	39
n-Propylbenzene	BDL	0.057	mg/kg	8260B	07/23/11	39
Styrene	BDL	0.057	mg/kg	8260B	07/23/11	39
1,1,1,2-Tetrachloroethane	BDL	0.057	mg/kg	8260B	07/23/11	39
1,1,2,2-Tetrachloroethane	BDL	0.057	mg/kg	8260B	07/23/11	39
Tetrachloroethene	BDL	0.057	mg/kg	8260B	07/23/11	39
Toluene	BDL	0.29	mg/kg	8260B	07/23/11	39
1,2,3-Trichlorobenzene	BDL	0.057	mg/kg	8260B	07/23/11	39
1,2,4-Trichlorobenzene	BDL	0.057	mg/kg	8260B	07/23/11	39
1,1,1-Trichloroethane	BDL	0.057	mg/kg	8260B	07/23/11	39
1,1,2-Trichloroethane	BDL	0.057	mg/kg	8260B	07/23/11	39
Trichloroethene	BDL	0.057	mg/kg	8260B	07/23/11	39
Trichlorofluoromethane	BDL	0.29	mg/kg	8260B	07/23/11	39
1,2,3-Trichloropropane	BDL	0.14	mg/kg	8260B	07/23/11	39
1,2,4-Trimethylbenzene	BDL	0.057	mg/kg	8260B	07/23/11	39
1,3,5-Trimethylbenzene	BDL	0.057	mg/kg	8260B	07/23/11	39
Vinyl chloride	BDL	0.057	mg/kg	8260B	07/23/11	39
Xylenes, Total	BDL	0.17	mg/kg	8260B	07/23/11	39
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	07/23/11	39
Dibromofluoromethane	99.4		% Rec.	8260B	07/23/11	39
4-Bromofluorobenzene	100.		% Rec.	8260B	07/23/11	39
Base/Neutral Extractables						
Acenaphthene	BDL	0.048	mg/kg	8270C	07/29/11	1
Acenaphthylene	BDL	0.048	mg/kg	8270C	07/29/11	1
Anthracene	BDL	0.048	mg/kg	8270C	07/29/11	1
Benzidine	BDL	0.48	mg/kg	8270C	07/29/11	1
Benzo(a)anthracene	BDL	0.048	mg/kg	8270C	07/29/11	1

Results listed are dry weight basis.
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-06

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-6 0-2FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 16:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	BDL	0.048	mg/kg	8270C	07/29/11	1
Benzo(k)fluoranthene	BDL	0.048	mg/kg	8270C	07/29/11	1
Benzo(g,h,i)perylene	BDL	0.048	mg/kg	8270C	07/29/11	1
Benzo(a)pyrene	BDL	0.048	mg/kg	8270C	07/29/11	1
Bis(2-chlorethoxy)methane	BDL	0.48	mg/kg	8270C	07/29/11	1
Bis(2-chloroethyl)ether	BDL	0.48	mg/kg	8270C	07/29/11	1
Bis(2-chloroisopropyl)ether	BDL	0.48	mg/kg	8270C	07/29/11	1
4-Bromophenyl-phenylether	BDL	0.48	mg/kg	8270C	07/29/11	1
2-Chloronaphthalene	BDL	0.048	mg/kg	8270C	07/29/11	1
4-Chlorophenyl-phenylether	BDL	0.48	mg/kg	8270C	07/29/11	1
Chrysene	BDL	0.048	mg/kg	8270C	07/29/11	1
Dibenz(a,h)anthracene	BDL	0.048	mg/kg	8270C	07/29/11	1
3,3-Dichlorobenzidine	BDL	0.48	mg/kg	8270C	07/29/11	1
2,4-Dinitrotoluene	BDL	0.48	mg/kg	8270C	07/29/11	1
2,6-Dinitrotoluene	BDL	0.48	mg/kg	8270C	07/29/11	1
Fluoranthene	BDL	0.048	mg/kg	8270C	07/29/11	1
Fluorene	BDL	0.048	mg/kg	8270C	07/29/11	1
Hexachlorobenzene	BDL	0.48	mg/kg	8270C	07/29/11	1
Hexachloro-1,3-butadiene	BDL	0.48	mg/kg	8270C	07/29/11	1
Hexachlorocyclopentadiene	BDL	0.48	mg/kg	8270C	07/29/11	1
Hexachloroethane	BDL	0.48	mg/kg	8270C	07/29/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.048	mg/kg	8270C	07/29/11	1
Isophorone	BDL	0.48	mg/kg	8270C	07/29/11	1
2-Methylnaphthalene	BDL	0.048	mg/kg	8270C	07/29/11	1
Naphthalene	BDL	0.048	mg/kg	8270C	07/29/11	1
Nitrobenzene	BDL	0.48	mg/kg	8270C	07/29/11	1
n-Nitrosodimethylamine	BDL	0.48	mg/kg	8270C	07/29/11	1
n-Nitrosodiphenylamine	BDL	0.48	mg/kg	8270C	07/29/11	1
n-Nitrosodi-n-propylamine	BDL	0.48	mg/kg	8270C	07/29/11	1
Phenanthrene	BDL	0.048	mg/kg	8270C	07/29/11	1
Benzylbutyl phthalate	BDL	0.48	mg/kg	8270C	07/29/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.48	mg/kg	8270C	07/29/11	1
Di-n-butyl phthalate	BDL	0.48	mg/kg	8270C	07/29/11	1
Diethyl phthalate	BDL	0.48	mg/kg	8270C	07/29/11	1
Dimethyl phthalate	BDL	0.48	mg/kg	8270C	07/29/11	1
Di-n-octyl phthalate	BDL	0.48	mg/kg	8270C	07/29/11	1
Pyrene	BDL	0.048	mg/kg	8270C	07/29/11	1
1,2,4-Trichlorobenzene	BDL	0.48	mg/kg	8270C	07/29/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.48	mg/kg	8270C	07/29/11	1
2-Chlorophenol	BDL	0.48	mg/kg	8270C	07/29/11	1
2,4-Dichlorophenol	BDL	0.48	mg/kg	8270C	07/29/11	1
2,4-Dimethylphenol	BDL	0.48	mg/kg	8270C	07/29/11	1
4,6-Dinitro-2-methylphenol	BDL	0.48	mg/kg	8270C	07/29/11	1

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-06

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-6 0-2FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 16:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.48	mg/kg	8270C	07/29/11	1
2-Nitrophenol	BDL	0.48	mg/kg	8270C	07/29/11	1
4-Nitrophenol	BDL	0.48	mg/kg	8270C	07/29/11	1
Pentachlorophenol	BDL	0.48	mg/kg	8270C	07/29/11	1
Phenol	BDL	0.48	mg/kg	8270C	07/29/11	1
2,4,6-Trichlorophenol	BDL	0.48	mg/kg	8270C	07/29/11	1
Surrogate Recovery						
Nitrobenzene-d5	52.2		% Rec.	8270C	07/29/11	1
2-Fluorobiphenyl	68.5		% Rec.	8270C	07/29/11	1
p-Terphenyl-d14	72.5		% Rec.	8270C	07/29/11	1
Phenol-d5	57.6		% Rec.	8270C	07/29/11	1
2-Fluorophenol	51.5		% Rec.	8270C	07/29/11	1
2,4,6-Tribromophenol	65.3		% Rec.	8270C	07/29/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 09/21/11 15:30 Revised: 12/21/11 17:43
L527450-06 (V8260TIC) - Cannot run lower, client sent only MeOH vial.

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Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-07

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-7 3-5FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 17:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	79.		%	2540G	07/28/11	1
Mercury	BDL	0.025	mg/kg	7471	07/26/11	1
Arsenic	BDL	1.3	mg/kg	6010B	07/23/11	1
Barium	22.	0.32	mg/kg	6010B	07/23/11	1
Cadmium	BDL	0.32	mg/kg	6010B	07/23/11	1
Chromium	57.	0.63	mg/kg	6010B	07/23/11	1
Lead	10.	0.32	mg/kg	6010B	07/23/11	1
Selenium	4.4	1.3	mg/kg	6010B	07/23/11	1
Silver	0.65	0.63	mg/kg	6010B	07/23/11	1
Volatile Organics						
Acetone	BDL	2.4	mg/kg	8260B	07/23/11	38.5
Acrylonitrile	BDL	0.48	mg/kg	8260B	07/23/11	38.5
Benzene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Bromobenzene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Bromodichloromethane	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Bromoform	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Bromomethane	BDL	0.24	mg/kg	8260B	07/23/11	38.5
n-Butylbenzene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
sec-Butylbenzene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
tert-Butylbenzene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Carbon tetrachloride	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Chlorobenzene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Chlorodibromomethane	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Chloroethane	BDL	0.24	mg/kg	8260B	07/23/11	38.5
2-Chloroethyl vinyl ether	BDL	2.4	mg/kg	8260B	07/23/11	38.5
Chloroform	BDL	0.24	mg/kg	8260B	07/23/11	38.5
Chloromethane	BDL	0.12	mg/kg	8260B	07/23/11	38.5
2-Chlorotoluene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
4-Chlorotoluene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
1,2-Dibromo-3-Chloropropane	BDL	0.24	mg/kg	8260B	07/23/11	38.5
1,2-Dibromoethane	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Dibromomethane	BDL	0.048	mg/kg	8260B	07/23/11	38.5
1,2-Dichlorobenzene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
1,3-Dichlorobenzene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
1,4-Dichlorobenzene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Dichlorodifluoromethane	BDL	0.24	mg/kg	8260B	07/23/11	38.5
1,1-Dichloroethane	BDL	0.048	mg/kg	8260B	07/23/11	38.5
1,2-Dichloroethane	BDL	0.048	mg/kg	8260B	07/23/11	38.5
1,1-Dichloroethene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
cis-1,2-Dichloroethene	0.078	0.048	mg/kg	8260B	07/23/11	38.5
trans-1,2-Dichloroethene	BDL	0.048	mg/kg	8260B	07/23/11	38.5

Results listed are dry weight basis.
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L527450-07 (V8260TIC) - Cannot run lower, client sent only MeOH vial.

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-07

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-7 3-5FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 17:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.048	mg/kg	8260B	07/23/11	38.5
1,1-Dichloropropene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
1,3-Dichloropropane	BDL	0.048	mg/kg	8260B	07/23/11	38.5
cis-1,3-Dichloropropene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
trans-1,3-Dichloropropene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
2,2-Dichloropropane	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Di-isopropyl ether	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Ethylbenzene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Hexachloro-1,3-butadiene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Isopropylbenzene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
p-Isopropyltoluene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
2-Butanone (MEK)	BDL	0.48	mg/kg	8260B	07/23/11	38.5
Methylene Chloride	BDL	0.24	mg/kg	8260B	07/23/11	38.5
4-Methyl-2-pentanone (MIBK)	BDL	0.48	mg/kg	8260B	07/23/11	38.5
Methyl tert-butyl ether	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Naphthalene	BDL	0.24	mg/kg	8260B	07/23/11	38.5
n-Propylbenzene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Styrene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
1,1,1,2-Tetrachloroethane	BDL	0.048	mg/kg	8260B	07/23/11	38.5
1,1,2,2-Tetrachloroethane	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Tetrachloroethene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Toluene	BDL	0.24	mg/kg	8260B	07/23/11	38.5
1,2,3-Trichlorobenzene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
1,2,4-Trichlorobenzene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
1,1,1-Trichloroethane	BDL	0.048	mg/kg	8260B	07/23/11	38.5
1,1,2-Trichloroethane	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Trichloroethene	0.11	0.048	mg/kg	8260B	07/23/11	38.5
Trichlorofluoromethane	BDL	0.24	mg/kg	8260B	07/23/11	38.5
1,2,3-Trichloropropane	BDL	0.12	mg/kg	8260B	07/23/11	38.5
1,2,4-Trimethylbenzene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
1,3,5-Trimethylbenzene	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Vinyl chloride	BDL	0.048	mg/kg	8260B	07/23/11	38.5
Xylenes, Total	BDL	0.15	mg/kg	8260B	07/23/11	38.5
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	07/23/11	38.5
Dibromofluoromethane	99.2		% Rec.	8260B	07/23/11	38.5
4-Bromofluorobenzene	100.		% Rec.	8260B	07/23/11	38.5
Base/Neutral Extractables						
Acenaphthene	BDL	0.042	mg/kg	8270C	07/29/11	1
Acenaphthylene	BDL	0.042	mg/kg	8270C	07/29/11	1
Anthracene	BDL	0.042	mg/kg	8270C	07/29/11	1
Benzidine	BDL	0.42	mg/kg	8270C	07/29/11	1
Benzo(a)anthracene	BDL	0.042	mg/kg	8270C	07/29/11	1

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-07

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-7 3-5FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 17:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	BDL	0.042	mg/kg	8270C	07/29/11	1
Benzo(k)fluoranthene	BDL	0.042	mg/kg	8270C	07/29/11	1
Benzo(g,h,i)perylene	BDL	0.042	mg/kg	8270C	07/29/11	1
Benzo(a)pyrene	BDL	0.042	mg/kg	8270C	07/29/11	1
Bis(2-chlorethoxy)methane	BDL	0.42	mg/kg	8270C	07/29/11	1
Bis(2-chloroethyl)ether	BDL	0.42	mg/kg	8270C	07/29/11	1
Bis(2-chloroisopropyl)ether	BDL	0.42	mg/kg	8270C	07/29/11	1
4-Bromophenyl-phenylether	BDL	0.42	mg/kg	8270C	07/29/11	1
2-Chloronaphthalene	BDL	0.042	mg/kg	8270C	07/29/11	1
4-Chlorophenyl-phenylether	BDL	0.42	mg/kg	8270C	07/29/11	1
Chrysene	BDL	0.042	mg/kg	8270C	07/29/11	1
Dibenz(a,h)anthracene	BDL	0.042	mg/kg	8270C	07/29/11	1
3,3-Dichlorobenzidine	BDL	0.42	mg/kg	8270C	07/29/11	1
2,4-Dinitrotoluene	BDL	0.42	mg/kg	8270C	07/29/11	1
2,6-Dinitrotoluene	BDL	0.42	mg/kg	8270C	07/29/11	1
Fluoranthene	BDL	0.042	mg/kg	8270C	07/29/11	1
Fluorene	BDL	0.042	mg/kg	8270C	07/29/11	1
Hexachlorobenzene	BDL	0.42	mg/kg	8270C	07/29/11	1
Hexachloro-1,3-butadiene	BDL	0.42	mg/kg	8270C	07/29/11	1
Hexachlorocyclopentadiene	BDL	0.42	mg/kg	8270C	07/29/11	1
Hexachloroethane	BDL	0.42	mg/kg	8270C	07/29/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.042	mg/kg	8270C	07/29/11	1
Isophorone	BDL	0.42	mg/kg	8270C	07/29/11	1
2-Methylnaphthalene	BDL	0.042	mg/kg	8270C	07/29/11	1
Naphthalene	BDL	0.042	mg/kg	8270C	07/29/11	1
Nitrobenzene	BDL	0.42	mg/kg	8270C	07/29/11	1
n-Nitrosodimethylamine	BDL	0.42	mg/kg	8270C	07/29/11	1
n-Nitrosodiphenylamine	BDL	0.42	mg/kg	8270C	07/29/11	1
n-Nitrosodi-n-propylamine	BDL	0.42	mg/kg	8270C	07/29/11	1
Phenanthrene	BDL	0.042	mg/kg	8270C	07/29/11	1
Benzylbutyl phthalate	BDL	0.42	mg/kg	8270C	07/29/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.42	mg/kg	8270C	07/29/11	1
Di-n-butyl phthalate	BDL	0.42	mg/kg	8270C	07/29/11	1
Diethyl phthalate	BDL	0.42	mg/kg	8270C	07/29/11	1
Dimethyl phthalate	BDL	0.42	mg/kg	8270C	07/29/11	1
Di-n-octyl phthalate	BDL	0.42	mg/kg	8270C	07/29/11	1
Pyrene	BDL	0.042	mg/kg	8270C	07/29/11	1
1,2,4-Trichlorobenzene	BDL	0.42	mg/kg	8270C	07/29/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.42	mg/kg	8270C	07/29/11	1
2-Chlorophenol	BDL	0.42	mg/kg	8270C	07/29/11	1
2,4-Dichlorophenol	BDL	0.42	mg/kg	8270C	07/29/11	1
2,4-Dimethylphenol	BDL	0.42	mg/kg	8270C	07/29/11	1
4,6-Dinitro-2-methylphenol	BDL	0.42	mg/kg	8270C	07/29/11	1

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Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-07

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-7 3-5FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 17:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.42	mg/kg	8270C	07/29/11	1
2-Nitrophenol	BDL	0.42	mg/kg	8270C	07/29/11	1
4-Nitrophenol	BDL	0.42	mg/kg	8270C	07/29/11	1
Pentachlorophenol	BDL	0.42	mg/kg	8270C	07/29/11	1
Phenol	BDL	0.42	mg/kg	8270C	07/29/11	1
2,4,6-Trichlorophenol	BDL	0.42	mg/kg	8270C	07/29/11	1
Surrogate Recovery						
Nitrobenzene-d5	72.7		% Rec.	8270C	07/29/11	1
2-Fluorobiphenyl	81.4		% Rec.	8270C	07/29/11	1
p-Terphenyl-d14	102.		% Rec.	8270C	07/29/11	1
Phenol-d5	96.5		% Rec.	8270C	07/29/11	1
2-Fluorophenol	60.2		% Rec.	8270C	07/29/11	1
2,4,6-Tribromophenol	94.1		% Rec.	8270C	07/29/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 09/21/11 15:30 Revised: 12/21/11 17:43
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REPORT OF ANALYSIS

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GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-08

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-7 18-20FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 17:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	67.		%	2540G	07/28/11	1
Mercury	BDL	0.030	mg/kg	7471	07/26/11	1
Arsenic	BDL	3.0	mg/kg	6010B	07/23/11	2
Barium	68.	0.75	mg/kg	6010B	07/23/11	2
Cadmium	BDL	0.75	mg/kg	6010B	07/23/11	2
Chromium	62.	1.5	mg/kg	6010B	07/23/11	2
Lead	3.2	0.75	mg/kg	6010B	07/23/11	2
Selenium	10.	3.0	mg/kg	6010B	07/23/11	2
Silver	BDL	1.5	mg/kg	6010B	07/23/11	2
TPH (GC/FID) Low Fraction	BDL	6.6	mg/kg	8015D/GRO	07/23/11	44
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	100.		% Rec.	8015D/GRO	07/23/11	44
Volatile Organics						
Acetone	BDL	3.3	mg/kg	8260B	07/23/11	44
Acrylonitrile	BDL	0.66	mg/kg	8260B	07/23/11	44
Benzene	BDL	0.066	mg/kg	8260B	07/23/11	44
Bromobenzene	BDL	0.066	mg/kg	8260B	07/23/11	44
Bromodichloromethane	BDL	0.066	mg/kg	8260B	07/23/11	44
Bromoform	BDL	0.066	mg/kg	8260B	07/23/11	44
Bromomethane	BDL	0.33	mg/kg	8260B	07/23/11	44
n-Butylbenzene	BDL	0.066	mg/kg	8260B	07/23/11	44
sec-Butylbenzene	BDL	0.066	mg/kg	8260B	07/23/11	44
tert-Butylbenzene	BDL	0.066	mg/kg	8260B	07/23/11	44
Carbon tetrachloride	BDL	0.066	mg/kg	8260B	07/23/11	44
Chlorobenzene	BDL	0.066	mg/kg	8260B	07/23/11	44
Chlorodibromomethane	BDL	0.066	mg/kg	8260B	07/23/11	44
Chloroethane	BDL	0.33	mg/kg	8260B	07/23/11	44
2-Chloroethyl vinyl ether	BDL	3.3	mg/kg	8260B	07/23/11	44
Chloroform	BDL	0.33	mg/kg	8260B	07/23/11	44
Chloromethane	BDL	0.16	mg/kg	8260B	07/23/11	44
2-Chlorotoluene	BDL	0.066	mg/kg	8260B	07/23/11	44
4-Chlorotoluene	BDL	0.066	mg/kg	8260B	07/23/11	44
1,2-Dibromo-3-Chloropropane	BDL	0.33	mg/kg	8260B	07/23/11	44
1,2-Dibromoethane	BDL	0.066	mg/kg	8260B	07/23/11	44
Dibromomethane	BDL	0.066	mg/kg	8260B	07/23/11	44
1,2-Dichlorobenzene	BDL	0.066	mg/kg	8260B	07/23/11	44
1,3-Dichlorobenzene	BDL	0.066	mg/kg	8260B	07/23/11	44
1,4-Dichlorobenzene	BDL	0.066	mg/kg	8260B	07/23/11	44
Dichlorodifluoromethane	BDL	0.33	mg/kg	8260B	07/23/11	44
1,1-Dichloroethane	BDL	0.066	mg/kg	8260B	07/23/11	44

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-08

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-7 18-20FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 17:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.066	mg/kg	8260B	07/23/11	44
1,1-Dichloroethene	BDL	0.066	mg/kg	8260B	07/23/11	44
cis-1,2-Dichloroethene	0.066	0.066	mg/kg	8260B	07/23/11	44
trans-1,2-Dichloroethene	BDL	0.066	mg/kg	8260B	07/23/11	44
1,2-Dichloropropane	BDL	0.066	mg/kg	8260B	07/23/11	44
1,1-Dichloropropene	BDL	0.066	mg/kg	8260B	07/23/11	44
1,3-Dichloropropane	BDL	0.066	mg/kg	8260B	07/23/11	44
cis-1,3-Dichloropropene	BDL	0.066	mg/kg	8260B	07/23/11	44
trans-1,3-Dichloropropene	BDL	0.066	mg/kg	8260B	07/23/11	44
2,2-Dichloropropane	BDL	0.066	mg/kg	8260B	07/23/11	44
Di-isopropyl ether	BDL	0.066	mg/kg	8260B	07/23/11	44
Ethylbenzene	BDL	0.066	mg/kg	8260B	07/23/11	44
Hexachloro-1,3-butadiene	BDL	0.066	mg/kg	8260B	07/23/11	44
Isopropylbenzene	BDL	0.066	mg/kg	8260B	07/23/11	44
p-Isopropyltoluene	BDL	0.066	mg/kg	8260B	07/23/11	44
2-Butanone (MEK)	BDL	0.66	mg/kg	8260B	07/23/11	44
Methylene Chloride	BDL	0.33	mg/kg	8260B	07/23/11	44
4-Methyl-2-pentanone (MIBK)	BDL	0.66	mg/kg	8260B	07/23/11	44
Methyl tert-butyl ether	BDL	0.066	mg/kg	8260B	07/23/11	44
Naphthalene	BDL	0.33	mg/kg	8260B	07/23/11	44
n-Propylbenzene	BDL	0.066	mg/kg	8260B	07/23/11	44
Styrene	BDL	0.066	mg/kg	8260B	07/23/11	44
1,1,1,2-Tetrachloroethane	BDL	0.066	mg/kg	8260B	07/23/11	44
1,1,2,2-Tetrachloroethane	BDL	0.066	mg/kg	8260B	07/23/11	44
Tetrachloroethene	BDL	0.066	mg/kg	8260B	07/23/11	44
Toluene	BDL	0.33	mg/kg	8260B	07/23/11	44
1,2,3-Trichlorobenzene	BDL	0.066	mg/kg	8260B	07/23/11	44
1,2,4-Trichlorobenzene	BDL	0.066	mg/kg	8260B	07/23/11	44
1,1,1-Trichloroethane	BDL	0.066	mg/kg	8260B	07/23/11	44
1,1,2-Trichloroethane	BDL	0.066	mg/kg	8260B	07/23/11	44
Trichloroethene	BDL	0.066	mg/kg	8260B	07/23/11	44
Trichlorofluoromethane	BDL	0.33	mg/kg	8260B	07/23/11	44
1,2,3-Trichloropropane	BDL	0.16	mg/kg	8260B	07/23/11	44
1,2,4-Trimethylbenzene	BDL	0.066	mg/kg	8260B	07/23/11	44
1,3,5-Trimethylbenzene	BDL	0.066	mg/kg	8260B	07/23/11	44
Vinyl chloride	BDL	0.066	mg/kg	8260B	07/23/11	44
Xylenes, Total	BDL	0.20	mg/kg	8260B	07/23/11	44
Surrogate Recovery						
Toluene-d8	107.		% Rec.	8260B	07/23/11	44
Dibromofluoromethane	98.1		% Rec.	8260B	07/23/11	44
4-Bromofluorobenzene	100.		% Rec.	8260B	07/23/11	44
TPH (GC/FID) High Fraction	BDL	6.0	mg/kg	3546/DRO	07/28/11	1
Surrogate recovery(%)						

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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L527450-08 (V8260TIC) - Cannot run lower, client sent only MeOH vial.

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Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-08

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-7 18-20FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 17:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
o-Terphenyl	78.9		% Rec.	3546/DRO	07/28/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.050	mg/kg	8270C	07/29/11	1
Acenaphthylene	BDL	0.050	mg/kg	8270C	07/29/11	1
Anthracene	BDL	0.050	mg/kg	8270C	07/29/11	1
Benzidine	BDL	0.50	mg/kg	8270C	07/29/11	1
Benzo(a)anthracene	BDL	0.050	mg/kg	8270C	07/29/11	1
Benzo(b)fluoranthene	BDL	0.050	mg/kg	8270C	07/29/11	1
Benzo(k)fluoranthene	BDL	0.050	mg/kg	8270C	07/29/11	1
Benzo(g,h,i)perylene	BDL	0.050	mg/kg	8270C	07/29/11	1
Benzo(a)pyrene	BDL	0.050	mg/kg	8270C	07/29/11	1
Bis(2-chlorethoxy)methane	BDL	0.50	mg/kg	8270C	07/29/11	1
Bis(2-chloroethyl)ether	BDL	0.50	mg/kg	8270C	07/29/11	1
Bis(2-chloroisopropyl)ether	BDL	0.50	mg/kg	8270C	07/29/11	1
4-Bromophenyl-phenylether	BDL	0.50	mg/kg	8270C	07/29/11	1
2-Chloronaphthalene	BDL	0.050	mg/kg	8270C	07/29/11	1
4-Chlorophenyl-phenylether	BDL	0.50	mg/kg	8270C	07/29/11	1
Chrysene	BDL	0.050	mg/kg	8270C	07/29/11	1
Dibenz(a,h)anthracene	BDL	0.050	mg/kg	8270C	07/29/11	1
3,3-Dichlorobenzidine	BDL	0.50	mg/kg	8270C	07/29/11	1
2,4-Dinitrotoluene	BDL	0.50	mg/kg	8270C	07/29/11	1
2,6-Dinitrotoluene	BDL	0.50	mg/kg	8270C	07/29/11	1
Fluoranthene	BDL	0.050	mg/kg	8270C	07/29/11	1
Fluorene	BDL	0.050	mg/kg	8270C	07/29/11	1
Hexachlorobenzene	BDL	0.50	mg/kg	8270C	07/29/11	1
Hexachloro-1,3-butadiene	BDL	0.50	mg/kg	8270C	07/29/11	1
Hexachlorocyclopentadiene	BDL	0.50	mg/kg	8270C	07/29/11	1
Hexachloroethane	BDL	0.50	mg/kg	8270C	07/29/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.050	mg/kg	8270C	07/29/11	1
Isophorone	BDL	0.50	mg/kg	8270C	07/29/11	1
2-Methylnaphthalene	BDL	0.050	mg/kg	8270C	07/29/11	1
Naphthalene	BDL	0.050	mg/kg	8270C	07/29/11	1
Nitrobenzene	BDL	0.50	mg/kg	8270C	07/29/11	1
n-Nitrosodimethylamine	BDL	0.50	mg/kg	8270C	07/29/11	1
n-Nitrosodiphenylamine	BDL	0.50	mg/kg	8270C	07/29/11	1
n-Nitrosodi-n-propylamine	BDL	0.50	mg/kg	8270C	07/29/11	1
Phenanthrene	BDL	0.050	mg/kg	8270C	07/29/11	1
Benzylbutyl phthalate	BDL	0.50	mg/kg	8270C	07/29/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.50	mg/kg	8270C	07/29/11	1
Di-n-butyl phthalate	BDL	0.50	mg/kg	8270C	07/29/11	1
Diethyl phthalate	BDL	0.50	mg/kg	8270C	07/29/11	1
Dimethyl phthalate	BDL	0.50	mg/kg	8270C	07/29/11	1
Di-n-octyl phthalate	BDL	0.50	mg/kg	8270C	07/29/11	1

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BDL - Below Detection Limit
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Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-08

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : MW-7 18-20FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 17:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	0.050	mg/kg	8270C	07/29/11	1
1,2,4-Trichlorobenzene	BDL	0.50	mg/kg	8270C	07/29/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.50	mg/kg	8270C	07/29/11	1
2-Chlorophenol	BDL	0.50	mg/kg	8270C	07/29/11	1
2,4-Dichlorophenol	BDL	0.50	mg/kg	8270C	07/29/11	1
2,4-Dimethylphenol	BDL	0.50	mg/kg	8270C	07/29/11	1
4,6-Dinitro-2-methylphenol	BDL	0.50	mg/kg	8270C	07/29/11	1
2,4-Dinitrophenol	BDL	0.50	mg/kg	8270C	07/29/11	1
2-Nitrophenol	BDL	0.50	mg/kg	8270C	07/29/11	1
4-Nitrophenol	BDL	0.50	mg/kg	8270C	07/29/11	1
Pentachlorophenol	BDL	0.50	mg/kg	8270C	07/29/11	1
Phenol	BDL	0.50	mg/kg	8270C	07/29/11	1
2,4,6-Trichlorophenol	BDL	0.50	mg/kg	8270C	07/29/11	1
Surrogate Recovery						
Nitrobenzene-d5	60.3		% Rec.	8270C	07/29/11	1
2-Fluorobiphenyl	65.3		% Rec.	8270C	07/29/11	1
p-Terphenyl-d14	80.7		% Rec.	8270C	07/29/11	1
Phenol-d5	76.6		% Rec.	8270C	07/29/11	1
2-Fluorophenol	49.6		% Rec.	8270C	07/29/11	1
2,4,6-Tribromophenol	65.3		% Rec.	8270C	07/29/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 09/21/11 15:30 Revised: 12/21/11 17:43
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-16

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-2

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/21/11 14:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic,Dissolved	BDL	1.0	ug/l	6020	07/27/11	1
Mercury,Dissolved	BDL	0.20	ug/l	7470A	07/26/11	1
Barium,Dissolved	83.	5.0	ug/l	6010B	07/27/11	1
Cadmium,Dissolved	BDL	5.0	ug/l	6010B	07/27/11	1
Chromium,Dissolved	BDL	10.	ug/l	6010B	07/27/11	1
Lead,Dissolved	7.5	5.0	ug/l	6010B	07/27/11	1
Selenium,Dissolved	BDL	20.	ug/l	6010B	07/27/11	1
Silver,Dissolved	BDL	10.	ug/l	6010B	07/27/11	1
Zinc,Dissolved	31.	30.	ug/l	6010B	07/27/11	1
TPH (GC/FID) Low Fraction	670	100	ug/l	8015D/GRO	07/23/11	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	104.		% Rec.	8015D/GRO	07/23/11	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	07/23/11	1
Acrolein	BDL	50.	ug/l	8260B	07/23/11	1
Acrylonitrile	BDL	10.	ug/l	8260B	07/23/11	1
Benzene	BDL	1.0	ug/l	8260B	07/23/11	1
Bromobenzene	BDL	1.0	ug/l	8260B	07/23/11	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	07/23/11	1
Bromoform	BDL	1.0	ug/l	8260B	07/23/11	1
Bromomethane	BDL	5.0	ug/l	8260B	07/23/11	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	07/23/11	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	07/23/11	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	07/23/11	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	07/23/11	1
Chlorobenzene	BDL	1.0	ug/l	8260B	07/23/11	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	07/23/11	1
Chloroethane	BDL	5.0	ug/l	8260B	07/23/11	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	07/23/11	1
Chloroform	BDL	5.0	ug/l	8260B	07/23/11	1
Chloromethane	BDL	2.5	ug/l	8260B	07/23/11	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	07/23/11	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	07/23/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	07/23/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	07/23/11	1
Dibromomethane	BDL	1.0	ug/l	8260B	07/23/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/23/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/23/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/23/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	07/23/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

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GAIA Tech - Chicago, IL
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Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-16

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-2

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/21/11 14:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	07/23/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	07/23/11	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	07/23/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	07/23/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	07/23/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	07/23/11	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	07/23/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	07/23/11	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	07/23/11	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	07/23/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	07/23/11	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	07/23/11	1
Ethylbenzene	BDL	1.0	ug/l	8260B	07/23/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	07/23/11	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	07/23/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	07/23/11	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	07/23/11	1
Methylene Chloride	BDL	5.0	ug/l	8260B	07/23/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	07/23/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	07/23/11	1
Naphthalene	BDL	5.0	ug/l	8260B	07/23/11	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	07/23/11	1
Styrene	BDL	1.0	ug/l	8260B	07/23/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	07/23/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	07/23/11	1
Tetrachloroethene	58.	1.0	ug/l	8260B	07/23/11	1
Toluene	BDL	5.0	ug/l	8260B	07/23/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	07/23/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	07/23/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	07/23/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	07/23/11	1
Trichloroethene	1400	25.	ug/l	8260B	07/26/11	25
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	07/23/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	07/23/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	07/23/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	07/23/11	1
Vinyl chloride	BDL	1.0	ug/l	8260B	07/23/11	1
Xylenes, Total	BDL	3.0	ug/l	8260B	07/23/11	1
Surrogate Recovery						
Toluene-d8	112.		% Rec.	8260B	07/23/11	1
Dibromofluoromethane	99.0		% Rec.	8260B	07/23/11	1
a,a,a-Trifluorotoluene	111.		% Rec.	8260B	07/23/11	1
4-Bromofluorobenzene	94.7		% Rec.	8260B	07/23/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

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GAIA Tech - Chicago, IL
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Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-16

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-2

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/21/11 14:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
TPH (GC/FID) High Fraction	120	100	ug/l	3510C / DR	07/24/11	1
Surrogate recovery(%)						
o-Terphenyl	72.8		% Rec.	3510C / DR	07/24/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	1.0	ug/l	8270C	07/28/11	1
Acenaphthylene	BDL	1.0	ug/l	8270C	07/28/11	1
Anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzidine	BDL	10.	ug/l	8270C	07/28/11	1
Benzo(a)anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(b)fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(k)fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(g,h,i)perylene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(a)pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
Bis(2-chlorethoxy)methane	BDL	10.	ug/l	8270C	07/28/11	1
Bis(2-chloroethyl)ether	BDL	10.	ug/l	8270C	07/28/11	1
Bis(2-chloroisopropyl)ether	BDL	10.	ug/l	8270C	07/28/11	1
4-Bromophenyl-phenylether	BDL	10.	ug/l	8270C	07/28/11	1
2-Chloronaphthalene	BDL	1.0	ug/l	8270C	07/28/11	1
4-Chlorophenyl-phenylether	BDL	10.	ug/l	8270C	07/28/11	1
Chrysene	BDL	1.0	ug/l	8270C	07/28/11	1
Dibenz(a,h)anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
3,3-Dichlorobenzidine	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dinitrotoluene	BDL	10.	ug/l	8270C	07/28/11	1
2,6-Dinitrotoluene	BDL	10.	ug/l	8270C	07/28/11	1
Fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Fluorene	BDL	1.0	ug/l	8270C	07/28/11	1
Hexachlorobenzene	BDL	1.0	ug/l	8270C	07/28/11	1
Hexachloro-1,3-butadiene	BDL	10.	ug/l	8270C	07/28/11	1
Hexachlorocyclopentadiene	BDL	10.	ug/l	8270C	07/28/11	1
Hexachloroethane	BDL	10.	ug/l	8270C	07/28/11	1
Indeno(1,2,3-cd)pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
Isophorone	BDL	10.	ug/l	8270C	07/28/11	1
Naphthalene	BDL	1.0	ug/l	8270C	07/28/11	1
Nitrobenzene	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodimethylamine	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodiphenylamine	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodi-n-propylamine	BDL	10.	ug/l	8270C	07/28/11	1
Phenanthrene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzylbutyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Di-n-butyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Diethyl phthalate	1.4	1.0	ug/l	8270C	07/28/11	1
Dimethyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-16

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-2

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/21/11 14:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Di-n-octyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
1,2,4-Trichlorobenzene	BDL	10.	ug/l	8270C	07/28/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	10.	ug/l	8270C	07/28/11	1
2-Chlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dichlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dimethylphenol	BDL	10.	ug/l	8270C	07/28/11	1
4,6-Dinitro-2-methylphenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dinitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
2-Nitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
4-Nitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
Pentachlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
Phenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4,6-Trichlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
Surrogate Recovery						
Nitrobenzene-d5	68.5		% Rec.	8270C	07/28/11	1
2-Fluorobiphenyl	71.7		% Rec.	8270C	07/28/11	1
p-Terphenyl-d14	88.9		% Rec.	8270C	07/28/11	1
Phenol-d5	14.1		% Rec.	8270C	07/28/11	1
2-Fluorophenol	21.1		% Rec.	8270C	07/28/11	1
2,4,6-Tribromophenol	44.6		% Rec.	8270C	07/28/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 09/21/11 15:30 Revised: 12/21/11 17:43

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-17

Site ID : ELON NC

Project # : B11164100

Date Received : July 22, 2011
Description : Site Investigation

Sample ID : GP-3

Collected By : Larry Bertsch
Collection Date : 07/21/11 10:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic,Dissolved	BDL	1.0	ug/l	6020	07/27/11	1
Mercury,Dissolved	BDL	0.20	ug/l	7470A	07/26/11	1
Barium,Dissolved	60.	5.0	ug/l	6010B	07/27/11	1
Cadmium,Dissolved	BDL	5.0	ug/l	6010B	07/27/11	1
Chromium,Dissolved	BDL	10.	ug/l	6010B	07/27/11	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	07/27/11	1
Selenium,Dissolved	BDL	20.	ug/l	6010B	07/27/11	1
Silver,Dissolved	BDL	10.	ug/l	6010B	07/27/11	1
TPH (GC/FID) Low Fraction	330	100	ug/l	8015D/GRO	07/23/11	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	101.		% Rec.	8015D/GRO	07/23/11	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	07/23/11	1
Acrolein	BDL	50.	ug/l	8260B	07/23/11	1
Acrylonitrile	BDL	10.	ug/l	8260B	07/23/11	1
Benzene	BDL	1.0	ug/l	8260B	07/23/11	1
Bromobenzene	BDL	1.0	ug/l	8260B	07/23/11	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	07/23/11	1
Bromoform	BDL	1.0	ug/l	8260B	07/23/11	1
Bromomethane	BDL	5.0	ug/l	8260B	07/23/11	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	07/23/11	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	07/23/11	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	07/23/11	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	07/23/11	1
Chlorobenzene	BDL	1.0	ug/l	8260B	07/23/11	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	07/23/11	1
Chloroethane	BDL	5.0	ug/l	8260B	07/23/11	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	07/23/11	1
Chloroform	BDL	5.0	ug/l	8260B	07/23/11	1
Chloromethane	BDL	2.5	ug/l	8260B	07/23/11	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	07/23/11	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	07/23/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	07/23/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	07/23/11	1
Dibromomethane	BDL	1.0	ug/l	8260B	07/23/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/23/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/23/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/23/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	07/23/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	07/23/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-17

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-3

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/21/11 10:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	07/23/11	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	07/23/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	07/23/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	07/23/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	07/23/11	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	07/23/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	07/23/11	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	07/23/11	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	07/23/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	07/23/11	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	07/23/11	1
Ethylbenzene	BDL	1.0	ug/l	8260B	07/23/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	07/23/11	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	07/23/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	07/23/11	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	07/23/11	1
Methylene Chloride	BDL	5.0	ug/l	8260B	07/23/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	07/23/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	07/23/11	1
Naphthalene	BDL	5.0	ug/l	8260B	07/23/11	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	07/23/11	1
Styrene	BDL	1.0	ug/l	8260B	07/23/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	07/23/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	07/23/11	1
Tetrachloroethene	25.	1.0	ug/l	8260B	07/23/11	1
Toluene	BDL	5.0	ug/l	8260B	07/23/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	07/23/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	07/23/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	07/23/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	07/23/11	1
Trichloroethene	590	10.	ug/l	8260B	07/26/11	10
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	07/23/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	07/23/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	07/23/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	07/23/11	1
Vinyl chloride	BDL	1.0	ug/l	8260B	07/23/11	1
Xylenes, Total	BDL	3.0	ug/l	8260B	07/23/11	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	07/23/11	1
Dibromofluoromethane	99.8		% Rec.	8260B	07/23/11	1
a,a,a-Trifluorotoluene	103.		% Rec.	8260B	07/23/11	1
4-Bromofluorobenzene	96.6		% Rec.	8260B	07/23/11	1
TPH (GC/FID) High Fraction	12.	100	ug/l	3510C / DR	07/24/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-17

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-3

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/21/11 10:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Surrogate recovery(%)						
o-Terphenyl	72.2		% Rec.	3510C / DR	07/24/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	1.0	ug/l	8270C	07/28/11	1
Acenaphthylene	BDL	1.0	ug/l	8270C	07/28/11	1
Anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzidine	BDL	10.	ug/l	8270C	07/28/11	1
Benzo(a)anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(b)fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(k)fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(g,h,i)perylene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(a)pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
Bis(2-chlorethoxy)methane	BDL	10.	ug/l	8270C	07/28/11	1
Bis(2-chloroethyl)ether	BDL	10.	ug/l	8270C	07/28/11	1
Bis(2-chloroisopropyl)ether	BDL	10.	ug/l	8270C	07/28/11	1
4-Bromophenyl-phenylether	BDL	10.	ug/l	8270C	07/28/11	1
2-Chloronaphthalene	BDL	1.0	ug/l	8270C	07/28/11	1
4-Chlorophenyl-phenylether	BDL	10.	ug/l	8270C	07/28/11	1
Chrysene	BDL	1.0	ug/l	8270C	07/28/11	1
Dibenz(a,h)anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
3,3-Dichlorobenzidine	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dinitrotoluene	BDL	10.	ug/l	8270C	07/28/11	1
2,6-Dinitrotoluene	BDL	10.	ug/l	8270C	07/28/11	1
Fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Fluorene	BDL	1.0	ug/l	8270C	07/28/11	1
Hexachlorobenzene	BDL	1.0	ug/l	8270C	07/28/11	1
Hexachloro-1,3-butadiene	BDL	10.	ug/l	8270C	07/28/11	1
Hexachlorocyclopentadiene	BDL	10.	ug/l	8270C	07/28/11	1
Hexachloroethane	BDL	10.	ug/l	8270C	07/28/11	1
Indeno(1,2,3-cd)pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
Isophorone	BDL	10.	ug/l	8270C	07/28/11	1
Naphthalene	BDL	1.0	ug/l	8270C	07/28/11	1
Nitrobenzene	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodimethylamine	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodiphenylamine	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodi-n-propylamine	BDL	10.	ug/l	8270C	07/28/11	1
Phenanthrene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzylbutyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Di-n-butyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Diethyl phthalate	5.4	1.0	ug/l	8270C	07/28/11	1
Dimethyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Di-n-octyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-17

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-3

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/21/11 10:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
1,2,4-Trichlorobenzene	BDL	10.	ug/l	8270C	07/28/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	10.	ug/l	8270C	07/28/11	1
2-Chlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dichlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dimethylphenol	BDL	10.	ug/l	8270C	07/28/11	1
4,6-Dinitro-2-methylphenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dinitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
2-Nitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
4-Nitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
Pentachlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
Phenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4,6-Trichlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
Surrogate Recovery						
Nitrobenzene-d5	67.0		% Rec.	8270C	07/28/11	1
2-Fluorobiphenyl	78.3		% Rec.	8270C	07/28/11	1
p-Terphenyl-d14	102.		% Rec.	8270C	07/28/11	1
Phenol-d5	13.4		% Rec.	8270C	07/28/11	1
2-Fluorophenol	20.9		% Rec.	8270C	07/28/11	1
2,4,6-Tribromophenol	64.4		% Rec.	8270C	07/28/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 09/21/11 15:30 Revised: 12/21/11 17:43

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-18

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-6

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 11:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Arsenic,Dissolved	BDL	1.0	ug/l	6020	07/27/11	1
Mercury,Dissolved	BDL	0.20	ug/l	7470A	07/26/11	1
Barium,Dissolved	21.	5.0	ug/l	6010B	07/27/11	1
Cadmium,Dissolved	BDL	5.0	ug/l	6010B	07/27/11	1
Chromium,Dissolved	BDL	10.	ug/l	6010B	07/27/11	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	07/27/11	1
Selenium,Dissolved	BDL	20.	ug/l	6010B	07/27/11	1
Silver,Dissolved	BDL	10.	ug/l	6010B	07/27/11	1
Zinc,Dissolved	BDL	30.	ug/l	6010B	07/27/11	1
Volatile Organics						
Acetone	BDL	100	ug/l	8260B	07/26/11	2
Acrolein	BDL	100	ug/l	8260B	07/26/11	2
Acrylonitrile	BDL	20.	ug/l	8260B	07/26/11	2
Benzene	BDL	2.0	ug/l	8260B	07/26/11	2
Bromobenzene	BDL	2.0	ug/l	8260B	07/26/11	2
Bromodichloromethane	BDL	2.0	ug/l	8260B	07/26/11	2
Bromoform	BDL	2.0	ug/l	8260B	07/26/11	2
Bromomethane	BDL	10.	ug/l	8260B	07/26/11	2
n-Butylbenzene	BDL	2.0	ug/l	8260B	07/26/11	2
sec-Butylbenzene	BDL	2.0	ug/l	8260B	07/26/11	2
tert-Butylbenzene	BDL	2.0	ug/l	8260B	07/26/11	2
Carbon tetrachloride	BDL	2.0	ug/l	8260B	07/26/11	2
Chlorobenzene	BDL	2.0	ug/l	8260B	07/26/11	2
Chlorodibromomethane	BDL	2.0	ug/l	8260B	07/26/11	2
Chloroethane	BDL	10.	ug/l	8260B	07/26/11	2
2-Chloroethyl vinyl ether	BDL	100	ug/l	8260B	07/26/11	2
Chloroform	BDL	10.	ug/l	8260B	07/26/11	2
Chloromethane	BDL	5.0	ug/l	8260B	07/26/11	2
2-Chlorotoluene	BDL	2.0	ug/l	8260B	07/26/11	2
4-Chlorotoluene	BDL	2.0	ug/l	8260B	07/26/11	2
1,2-Dibromo-3-Chloropropane	BDL	10.	ug/l	8260B	07/26/11	2
1,2-Dibromoethane	BDL	2.0	ug/l	8260B	07/26/11	2
Dibromomethane	BDL	2.0	ug/l	8260B	07/26/11	2
1,2-Dichlorobenzene	BDL	2.0	ug/l	8260B	07/26/11	2
1,3-Dichlorobenzene	BDL	2.0	ug/l	8260B	07/26/11	2
1,4-Dichlorobenzene	BDL	2.0	ug/l	8260B	07/26/11	2
Dichlorodifluoromethane	BDL	10.	ug/l	8260B	07/26/11	2
1,1-Dichloroethane	BDL	2.0	ug/l	8260B	07/26/11	2
1,2-Dichloroethane	BDL	2.0	ug/l	8260B	07/26/11	2
1,1-Dichloroethene	BDL	2.0	ug/l	8260B	07/26/11	2
cis-1,2-Dichloroethene	BDL	2.0	ug/l	8260B	07/26/11	2

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-18

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-6

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 11:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
trans-1,2-Dichloroethene	BDL	2.0	ug/l	8260B	07/26/11	2
1,2-Dichloropropane	BDL	2.0	ug/l	8260B	07/26/11	2
1,1-Dichloropropene	BDL	2.0	ug/l	8260B	07/26/11	2
1,3-Dichloropropane	BDL	2.0	ug/l	8260B	07/26/11	2
cis-1,3-Dichloropropene	BDL	2.0	ug/l	8260B	07/26/11	2
trans-1,3-Dichloropropene	BDL	2.0	ug/l	8260B	07/26/11	2
2,2-Dichloropropane	BDL	2.0	ug/l	8260B	07/26/11	2
Di-isopropyl ether	BDL	2.0	ug/l	8260B	07/26/11	2
Ethylbenzene	BDL	2.0	ug/l	8260B	07/26/11	2
Hexachloro-1,3-butadiene	BDL	2.0	ug/l	8260B	07/26/11	2
Isopropylbenzene	BDL	2.0	ug/l	8260B	07/26/11	2
p-Isopropyltoluene	BDL	2.0	ug/l	8260B	07/26/11	2
2-Butanone (MEK)	BDL	20.	ug/l	8260B	07/26/11	2
Methylene Chloride	BDL	10.	ug/l	8260B	07/26/11	2
4-Methyl-2-pentanone (MIBK)	BDL	20.	ug/l	8260B	07/26/11	2
Methyl tert-butyl ether	BDL	2.0	ug/l	8260B	07/26/11	2
Naphthalene	BDL	10.	ug/l	8260B	07/26/11	2
n-Propylbenzene	BDL	2.0	ug/l	8260B	07/26/11	2
Styrene	BDL	2.0	ug/l	8260B	07/26/11	2
1,1,1,2-Tetrachloroethane	BDL	2.0	ug/l	8260B	07/26/11	2
1,1,2,2-Tetrachloroethane	BDL	2.0	ug/l	8260B	07/26/11	2
Tetrachloroethene	5.6	2.0	ug/l	8260B	07/26/11	2
Toluene	BDL	10.	ug/l	8260B	07/26/11	2
1,2,3-Trichlorobenzene	BDL	2.0	ug/l	8260B	07/26/11	2
1,2,4-Trichlorobenzene	BDL	2.0	ug/l	8260B	07/26/11	2
1,1,1-Trichloroethane	BDL	2.0	ug/l	8260B	07/26/11	2
1,1,2-Trichloroethane	BDL	2.0	ug/l	8260B	07/26/11	2
Trichloroethene	220	2.0	ug/l	8260B	07/26/11	2
Trichlorofluoromethane	BDL	10.	ug/l	8260B	07/26/11	2
1,2,3-Trichloropropane	BDL	5.0	ug/l	8260B	07/26/11	2
1,2,4-Trimethylbenzene	BDL	2.0	ug/l	8260B	07/26/11	2
1,3,5-Trimethylbenzene	BDL	2.0	ug/l	8260B	07/26/11	2
Vinyl chloride	BDL	2.0	ug/l	8260B	07/26/11	2
Xylenes, Total	BDL	6.0	ug/l	8260B	07/26/11	2
Surrogate Recovery						
Toluene-d8	95.5		% Rec.	8260B	07/26/11	2
Dibromofluoromethane	105.		% Rec.	8260B	07/26/11	2
a,a,a-Trifluorotoluene	98.0		% Rec.	8260B	07/26/11	2
4-Bromofluorobenzene	94.6		% Rec.	8260B	07/26/11	2
Base/Neutral Extractables						
Acenaphthene	BDL	1.0	ug/l	8270C	07/26/11	1
Acenaphthylene	BDL	1.0	ug/l	8270C	07/26/11	1
Anthracene	BDL	1.0	ug/l	8270C	07/26/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-18

Site ID : ELON NC

Project # : B11164100

Date Received : July 22, 2011
Description : Site Investigation

Sample ID : GP-6

Collected By : Larry Bertsch
Collection Date : 07/19/11 11:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzidine	BDL	10.	ug/l	8270C	07/26/11	1
Benzo(a)anthracene	BDL	1.0	ug/l	8270C	07/26/11	1
Benzo(b)fluoranthene	BDL	1.0	ug/l	8270C	07/26/11	1
Benzo(k)fluoranthene	BDL	1.0	ug/l	8270C	07/26/11	1
Benzo(g,h,i)perylene	BDL	1.0	ug/l	8270C	07/26/11	1
Benzo(a)pyrene	BDL	1.0	ug/l	8270C	07/26/11	1
Bis(2-chlorethoxy)methane	BDL	10.	ug/l	8270C	07/26/11	1
Bis(2-chloroethyl)ether	BDL	10.	ug/l	8270C	07/26/11	1
Bis(2-chloroisopropyl)ether	BDL	10.	ug/l	8270C	07/26/11	1
4-Bromophenyl-phenylether	BDL	10.	ug/l	8270C	07/26/11	1
2-Chloronaphthalene	BDL	1.0	ug/l	8270C	07/26/11	1
4-Chlorophenyl-phenylether	BDL	10.	ug/l	8270C	07/26/11	1
Chrysene	BDL	1.0	ug/l	8270C	07/26/11	1
Dibenz(a,h)anthracene	BDL	1.0	ug/l	8270C	07/26/11	1
3,3-Dichlorobenzidine	BDL	10.	ug/l	8270C	07/26/11	1
2,4-Dinitrotoluene	BDL	10.	ug/l	8270C	07/26/11	1
2,6-Dinitrotoluene	BDL	10.	ug/l	8270C	07/26/11	1
Fluoranthene	BDL	1.0	ug/l	8270C	07/26/11	1
Fluorene	BDL	1.0	ug/l	8270C	07/26/11	1
Hexachlorobenzene	BDL	1.0	ug/l	8270C	07/26/11	1
Hexachloro-1,3-butadiene	BDL	10.	ug/l	8270C	07/26/11	1
Hexachlorocyclopentadiene	BDL	10.	ug/l	8270C	07/26/11	1
Hexachloroethane	BDL	10.	ug/l	8270C	07/26/11	1
Indeno(1,2,3-cd)pyrene	BDL	1.0	ug/l	8270C	07/26/11	1
Isophorone	BDL	10.	ug/l	8270C	07/26/11	1
Naphthalene	BDL	1.0	ug/l	8270C	07/26/11	1
Nitrobenzene	BDL	10.	ug/l	8270C	07/26/11	1
n-Nitrosodimethylamine	BDL	10.	ug/l	8270C	07/26/11	1
n-Nitrosodiphenylamine	BDL	10.	ug/l	8270C	07/26/11	1
n-Nitrosodi-n-propylamine	BDL	10.	ug/l	8270C	07/26/11	1
Phenanthrene	BDL	1.0	ug/l	8270C	07/26/11	1
Benzylbutyl phthalate	BDL	1.0	ug/l	8270C	07/26/11	1
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	07/26/11	1
Di-n-butyl phthalate	BDL	1.0	ug/l	8270C	07/26/11	1
Diethyl phthalate	BDL	1.0	ug/l	8270C	07/26/11	1
Dimethyl phthalate	BDL	1.0	ug/l	8270C	07/26/11	1
Di-n-octyl phthalate	BDL	1.0	ug/l	8270C	07/26/11	1
Pyrene	BDL	1.0	ug/l	8270C	07/26/11	1
1,2,4-Trichlorobenzene	BDL	10.	ug/l	8270C	07/26/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	10.	ug/l	8270C	07/26/11	1
2-Chlorophenol	BDL	10.	ug/l	8270C	07/26/11	1
2,4-Dichlorophenol	BDL	10.	ug/l	8270C	07/26/11	1
2,4-Dimethylphenol	BDL	10.	ug/l	8270C	07/26/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-18

Date Received : July 22, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-6

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/19/11 11:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
4,6-Dinitro-2-methylphenol	BDL	10.	ug/l	8270C	07/26/11	1
2,4-Dinitrophenol	BDL	10.	ug/l	8270C	07/26/11	1
2-Nitrophenol	BDL	10.	ug/l	8270C	07/26/11	1
4-Nitrophenol	BDL	10.	ug/l	8270C	07/26/11	1
Pentachlorophenol	BDL	10.	ug/l	8270C	07/26/11	1
Phenol	BDL	10.	ug/l	8270C	07/26/11	1
2,4,6-Trichlorophenol	BDL	10.	ug/l	8270C	07/26/11	1
Surrogate Recovery						
Nitrobenzene-d5	56.0		% Rec.	8270C	07/26/11	1
2-Fluorobiphenyl	80.5		% Rec.	8270C	07/26/11	1
p-Terphenyl-d14	84.7		% Rec.	8270C	07/26/11	1
Phenol-d5	26.9		% Rec.	8270C	07/26/11	1
2-Fluorophenol	32.2		% Rec.	8270C	07/26/11	1
2,4,6-Tribromophenol	53.6		% Rec.	8270C	07/26/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 09/21/11 15:30 Revised: 12/21/11 17:43

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-19

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-1 5-7FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 09:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	76.		%	2540G	07/28/11	1
Mercury	0.028	0.026	mg/kg	7471	07/26/11	1
Arsenic	BDL	1.3	mg/kg	6010B	07/26/11	1
Barium	22.	0.33	mg/kg	6010B	07/26/11	1
Cadmium	BDL	0.33	mg/kg	6010B	07/26/11	1
Chromium	49.	0.66	mg/kg	6010B	07/26/11	1
Lead	11.	0.33	mg/kg	6010B	07/26/11	1
Selenium	3.6	1.3	mg/kg	6010B	07/26/11	1
Silver	BDL	3.3	mg/kg	6010B	07/26/11	5
TPH (GC/FID) Low Fraction	BDL	0.13	mg/kg	8015D/GRO	07/27/11	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	101.		% Rec.	8015D/GRO	07/27/11	1
Volatile Organics						
Acetone	BDL	0.066	mg/kg	8260B	07/27/11	1
Acrylonitrile	BDL	0.013	mg/kg	8260B	07/27/11	1
Benzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Bromobenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Bromodichloromethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
Bromoform	BDL	0.0013	mg/kg	8260B	07/27/11	1
Bromomethane	BDL	0.0066	mg/kg	8260B	07/27/11	1
n-Butylbenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
sec-Butylbenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
tert-Butylbenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Carbon tetrachloride	BDL	0.0013	mg/kg	8260B	07/27/11	1
Chlorobenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Chlorodibromomethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
Chloroethane	BDL	0.0066	mg/kg	8260B	07/27/11	1
2-Chloroethyl vinyl ether	BDL	0.066	mg/kg	8260B	07/27/11	1
Chloroform	BDL	0.0066	mg/kg	8260B	07/27/11	1
Chloromethane	BDL	0.0033	mg/kg	8260B	07/27/11	1
2-Chlorotoluene	BDL	0.0013	mg/kg	8260B	07/27/11	1
4-Chlorotoluene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0066	mg/kg	8260B	07/27/11	1
1,2-Dibromoethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
Dibromomethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,2-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,3-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,4-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Dichlorodifluoromethane	BDL	0.0066	mg/kg	8260B	07/27/11	1
1,1-Dichloroethane	BDL	0.0013	mg/kg	8260B	07/27/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-19

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-1 5-7FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 09:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,1-Dichloroethene	BDL	0.0013	mg/kg	8260B	07/27/11	1
cis-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	07/27/11	1
trans-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,1-Dichloropropene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,3-Dichloropropane	BDL	0.0013	mg/kg	8260B	07/27/11	1
cis-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	07/27/11	1
trans-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	07/27/11	1
2,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	07/27/11	1
Di-isopropyl ether	BDL	0.0013	mg/kg	8260B	07/27/11	1
Ethylbenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Isopropylbenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
p-Isopropyltoluene	BDL	0.0013	mg/kg	8260B	07/27/11	1
2-Butanone (MEK)	BDL	0.013	mg/kg	8260B	07/27/11	1
Methylene Chloride	BDL	0.0066	mg/kg	8260B	07/27/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.013	mg/kg	8260B	07/27/11	1
Methyl tert-butyl ether	BDL	0.0013	mg/kg	8260B	07/27/11	1
Naphthalene	BDL	0.0066	mg/kg	8260B	07/27/11	1
n-Propylbenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Styrene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
Tetrachloroethene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Toluene	BDL	0.0066	mg/kg	8260B	07/27/11	1
1,2,3-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,2,4-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,1,1-Trichloroethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,1,2-Trichloroethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
Trichloroethene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Trichlorofluoromethane	BDL	0.0066	mg/kg	8260B	07/27/11	1
1,2,3-Trichloropropane	BDL	0.0033	mg/kg	8260B	07/27/11	1
1,2,4-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,3,5-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Vinyl chloride	BDL	0.0013	mg/kg	8260B	07/27/11	1
Xylenes, Total	BDL	0.0039	mg/kg	8260B	07/27/11	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	07/27/11	1
Dibromofluoromethane	98.2		% Rec.	8260B	07/27/11	1
4-Bromofluorobenzene	94.6		% Rec.	8260B	07/27/11	1
TPH (GC/FID) High Fraction	BDL	5.2	mg/kg	3546/DRO	07/28/11	1
Surrogate recovery(%)						
o-Terphenyl	81.3		% Rec.	3546/DRO	07/28/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-19

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-1 5-7FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 09:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Base/Neutral Extractables						
Acenaphthene	BDL	0.043	mg/kg	8270C	07/28/11	1
Acenaphthylene	BDL	0.043	mg/kg	8270C	07/28/11	1
Anthracene	BDL	0.043	mg/kg	8270C	07/28/11	1
Benzidine	BDL	0.44	mg/kg	8270C	07/28/11	1
Benzo(a)anthracene	BDL	0.043	mg/kg	8270C	07/28/11	1
Benzo(b)fluoranthene	BDL	0.043	mg/kg	8270C	07/28/11	1
Benzo(k)fluoranthene	BDL	0.043	mg/kg	8270C	07/28/11	1
Benzo(g,h,i)perylene	BDL	0.043	mg/kg	8270C	07/28/11	1
Benzo(a)pyrene	BDL	0.043	mg/kg	8270C	07/28/11	1
Bis(2-chlorethoxy)methane	BDL	0.44	mg/kg	8270C	07/28/11	1
Bis(2-chloroethyl)ether	BDL	0.44	mg/kg	8270C	07/28/11	1
Bis(2-chloroisopropyl)ether	BDL	0.44	mg/kg	8270C	07/28/11	1
4-Bromophenyl-phenylether	BDL	0.44	mg/kg	8270C	07/28/11	1
2-Chloronaphthalene	BDL	0.043	mg/kg	8270C	07/28/11	1
4-Chlorophenyl-phenylether	BDL	0.44	mg/kg	8270C	07/28/11	1
Chrysene	BDL	0.043	mg/kg	8270C	07/28/11	1
Dibenz(a,h)anthracene	BDL	0.043	mg/kg	8270C	07/28/11	1
3,3-Dichlorobenzidine	BDL	0.44	mg/kg	8270C	07/28/11	1
2,4-Dinitrotoluene	BDL	0.44	mg/kg	8270C	07/28/11	1
2,6-Dinitrotoluene	BDL	0.44	mg/kg	8270C	07/28/11	1
Fluoranthene	BDL	0.043	mg/kg	8270C	07/28/11	1
Fluorene	BDL	0.043	mg/kg	8270C	07/28/11	1
Hexachlorobenzene	BDL	0.44	mg/kg	8270C	07/28/11	1
Hexachloro-1,3-butadiene	BDL	0.44	mg/kg	8270C	07/28/11	1
Hexachlorocyclopentadiene	BDL	0.44	mg/kg	8270C	07/28/11	1
Hexachloroethane	BDL	0.44	mg/kg	8270C	07/28/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.043	mg/kg	8270C	07/28/11	1
Isophorone	BDL	0.44	mg/kg	8270C	07/28/11	1
2-Methylnaphthalene	BDL	0.043	mg/kg	8270C	07/28/11	1
Naphthalene	BDL	0.043	mg/kg	8270C	07/28/11	1
Nitrobenzene	BDL	0.44	mg/kg	8270C	07/28/11	1
n-Nitrosodimethylamine	BDL	0.44	mg/kg	8270C	07/28/11	1
n-Nitrosodiphenylamine	BDL	0.44	mg/kg	8270C	07/28/11	1
n-Nitrosodi-n-propylamine	BDL	0.44	mg/kg	8270C	07/28/11	1
Phenanthrene	BDL	0.043	mg/kg	8270C	07/28/11	1
Benzylbutyl phthalate	BDL	0.44	mg/kg	8270C	07/28/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.44	mg/kg	8270C	07/28/11	1
Di-n-butyl phthalate	BDL	0.44	mg/kg	8270C	07/28/11	1
Diethyl phthalate	BDL	0.44	mg/kg	8270C	07/28/11	1
Dimethyl phthalate	BDL	0.44	mg/kg	8270C	07/28/11	1
Di-n-octyl phthalate	BDL	0.44	mg/kg	8270C	07/28/11	1
Pyrene	BDL	0.043	mg/kg	8270C	07/28/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
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Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-19

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-1 5-7FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 09:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2,4-Trichlorobenzene	BDL	0.44	mg/kg	8270C	07/28/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.44	mg/kg	8270C	07/28/11	1
2-Chlorophenol	BDL	0.44	mg/kg	8270C	07/28/11	1
2,4-Dichlorophenol	BDL	0.44	mg/kg	8270C	07/28/11	1
2,4-Dimethylphenol	BDL	0.44	mg/kg	8270C	07/28/11	1
4,6-Dinitro-2-methylphenol	BDL	0.44	mg/kg	8270C	07/28/11	1
2,4-Dinitrophenol	BDL	0.44	mg/kg	8270C	07/28/11	1
2-Nitrophenol	BDL	0.44	mg/kg	8270C	07/28/11	1
4-Nitrophenol	BDL	0.44	mg/kg	8270C	07/28/11	1
Pentachlorophenol	BDL	0.44	mg/kg	8270C	07/28/11	1
Phenol	BDL	0.44	mg/kg	8270C	07/28/11	1
2,4,6-Trichlorophenol	BDL	0.44	mg/kg	8270C	07/28/11	1
Surrogate Recovery						
Nitrobenzene-d5	85.9		% Rec.	8270C	07/28/11	1
2-Fluorobiphenyl	90.0		% Rec.	8270C	07/28/11	1
p-Terphenyl-d14	95.7		% Rec.	8270C	07/28/11	1
Phenol-d5	105.		% Rec.	8270C	07/28/11	1
2-Fluorophenol	89.9		% Rec.	8270C	07/28/11	1
2,4,6-Tribromophenol	77.5		% Rec.	8270C	07/28/11	1

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Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 09/21/11 15:30 Revised: 12/21/11 17:44

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-20

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-2 5-7FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 11:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	70.		%	2540G	07/29/11	1
Mercury	0.039	0.028	mg/kg	7471	07/26/11	1
Arsenic	BDL	7.1	mg/kg	6010B	07/26/11	5
Barium	27.	1.8	mg/kg	6010B	07/26/11	5
Cadmium	BDL	1.8	mg/kg	6010B	07/26/11	5
Chromium	100	3.6	mg/kg	6010B	07/26/11	5
Lead	8.6	1.8	mg/kg	6010B	07/26/11	5
Selenium	BDL	7.1	mg/kg	6010B	07/26/11	5
Silver	BDL	3.6	mg/kg	6010B	07/26/11	5
TPH (GC/FID) Low Fraction	BDL	0.14	mg/kg	8015D/GRO	07/27/11	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	102.		% Rec.	8015D/GRO	07/27/11	1
Volatile Organics						
Acetone	BDL	0.071	mg/kg	8260B	07/27/11	1
Acrylonitrile	BDL	0.014	mg/kg	8260B	07/27/11	1
Benzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Bromobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Bromodichloromethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Bromoform	BDL	0.0014	mg/kg	8260B	07/27/11	1
Bromomethane	BDL	0.0071	mg/kg	8260B	07/27/11	1
n-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
sec-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
tert-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Carbon tetrachloride	BDL	0.0014	mg/kg	8260B	07/27/11	1
Chlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Chlorodibromomethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Chloroethane	BDL	0.0071	mg/kg	8260B	07/27/11	1
2-Chloroethyl vinyl ether	BDL	0.071	mg/kg	8260B	07/27/11	1
Chloroform	BDL	0.0071	mg/kg	8260B	07/27/11	1
Chloromethane	BDL	0.0036	mg/kg	8260B	07/27/11	1
2-Chlorotoluene	BDL	0.0014	mg/kg	8260B	07/27/11	1
4-Chlorotoluene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0071	mg/kg	8260B	07/27/11	1
1,2-Dibromoethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Dibromomethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,3-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,4-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Dichlorodifluoromethane	BDL	0.0071	mg/kg	8260B	07/27/11	1
1,1-Dichloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-20

Site ID : ELON NC

Project # : B11164100

Date Received : July 23, 2011
Description : Site Investigation

Sample ID : GP-2 5-7FT

Collected By : Larry Bertsch
Collection Date : 07/20/11 11:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1
cis-1,2-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1
trans-1,2-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,3-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/27/11	1
cis-1,3-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/27/11	1
trans-1,3-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/27/11	1
2,2-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Di-isopropyl ether	BDL	0.0014	mg/kg	8260B	07/27/11	1
Ethylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Isopropylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
p-Isopropyltoluene	BDL	0.0014	mg/kg	8260B	07/27/11	1
2-Butanone (MEK)	BDL	0.014	mg/kg	8260B	07/27/11	1
Methylene Chloride	BDL	0.0071	mg/kg	8260B	07/27/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.014	mg/kg	8260B	07/27/11	1
Methyl tert-butyl ether	BDL	0.0014	mg/kg	8260B	07/27/11	1
Naphthalene	BDL	0.0071	mg/kg	8260B	07/27/11	1
n-Propylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Styrene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Tetrachloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Toluene	BDL	0.0071	mg/kg	8260B	07/27/11	1
1,2,3-Trichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2,4-Trichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1,1-Trichloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1,2-Trichloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Trichloroethene	0.0048	0.0014	mg/kg	8260B	07/27/11	1
Trichlorofluoromethane	BDL	0.0071	mg/kg	8260B	07/27/11	1
1,2,3-Trichloropropane	BDL	0.0036	mg/kg	8260B	07/27/11	1
1,2,4-Trimethylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,3,5-Trimethylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Vinyl chloride	BDL	0.0014	mg/kg	8260B	07/27/11	1
Xylenes, Total	BDL	0.0043	mg/kg	8260B	07/27/11	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	07/27/11	1
Dibromofluoromethane	99.8		% Rec.	8260B	07/27/11	1
4-Bromofluorobenzene	96.9		% Rec.	8260B	07/27/11	1
TPH (GC/FID) High Fraction	BDL	5.7	mg/kg	3546/DRO	07/29/11	1
Surrogate recovery(%)						
o-Terphenyl	53.9		% Rec.	3546/DRO	07/29/11	1

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-20

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-2 5-7FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 11:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Base/Neutral Extractables						
Acenaphthene	BDL	0.047	mg/kg	8270C	07/28/11	1
Acenaphthylene	BDL	0.047	mg/kg	8270C	07/28/11	1
Anthracene	BDL	0.047	mg/kg	8270C	07/28/11	1
Benzidine	BDL	0.47	mg/kg	8270C	07/28/11	1
Benzo(a)anthracene	BDL	0.047	mg/kg	8270C	07/28/11	1
Benzo(b)fluoranthene	BDL	0.047	mg/kg	8270C	07/28/11	1
Benzo(k)fluoranthene	BDL	0.047	mg/kg	8270C	07/28/11	1
Benzo(g,h,i)perylene	BDL	0.047	mg/kg	8270C	07/28/11	1
Benzo(a)pyrene	BDL	0.047	mg/kg	8270C	07/28/11	1
Bis(2-chlorethoxy)methane	BDL	0.47	mg/kg	8270C	07/28/11	1
Bis(2-chloroethyl)ether	BDL	0.47	mg/kg	8270C	07/28/11	1
Bis(2-chloroisopropyl)ether	BDL	0.47	mg/kg	8270C	07/28/11	1
4-Bromophenyl-phenylether	BDL	0.47	mg/kg	8270C	07/28/11	1
2-Chloronaphthalene	BDL	0.047	mg/kg	8270C	07/28/11	1
4-Chlorophenyl-phenylether	BDL	0.47	mg/kg	8270C	07/28/11	1
Chrysene	BDL	0.047	mg/kg	8270C	07/28/11	1
Dibenz(a,h)anthracene	BDL	0.047	mg/kg	8270C	07/28/11	1
3,3-Dichlorobenzidine	BDL	0.47	mg/kg	8270C	07/28/11	1
2,4-Dinitrotoluene	BDL	0.47	mg/kg	8270C	07/28/11	1
2,6-Dinitrotoluene	BDL	0.47	mg/kg	8270C	07/28/11	1
Fluoranthene	BDL	0.047	mg/kg	8270C	07/28/11	1
Fluorene	BDL	0.047	mg/kg	8270C	07/28/11	1
Hexachlorobenzene	BDL	0.47	mg/kg	8270C	07/28/11	1
Hexachloro-1,3-butadiene	BDL	0.47	mg/kg	8270C	07/28/11	1
Hexachlorocyclopentadiene	BDL	0.47	mg/kg	8270C	07/28/11	1
Hexachloroethane	BDL	0.47	mg/kg	8270C	07/28/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.047	mg/kg	8270C	07/28/11	1
Isophorone	BDL	0.47	mg/kg	8270C	07/28/11	1
2-Methylnaphthalene	BDL	0.047	mg/kg	8270C	07/28/11	1
Naphthalene	BDL	0.047	mg/kg	8270C	07/28/11	1
Nitrobenzene	BDL	0.47	mg/kg	8270C	07/28/11	1
n-Nitrosodimethylamine	BDL	0.47	mg/kg	8270C	07/28/11	1
n-Nitrosodiphenylamine	BDL	0.47	mg/kg	8270C	07/28/11	1
n-Nitrosodi-n-propylamine	BDL	0.47	mg/kg	8270C	07/28/11	1
Phenanthrene	BDL	0.047	mg/kg	8270C	07/28/11	1
Benzylbutyl phthalate	BDL	0.47	mg/kg	8270C	07/28/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.47	mg/kg	8270C	07/28/11	1
Di-n-butyl phthalate	BDL	0.47	mg/kg	8270C	07/28/11	1
Diethyl phthalate	BDL	0.47	mg/kg	8270C	07/28/11	1
Dimethyl phthalate	BDL	0.47	mg/kg	8270C	07/28/11	1
Di-n-octyl phthalate	BDL	0.47	mg/kg	8270C	07/28/11	1
Pyrene	BDL	0.047	mg/kg	8270C	07/28/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-20

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-2 5-7FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 11:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2,4-Trichlorobenzene	BDL	0.47	mg/kg	8270C	07/28/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.47	mg/kg	8270C	07/28/11	1
2-Chlorophenol	BDL	0.47	mg/kg	8270C	07/28/11	1
2,4-Dichlorophenol	BDL	0.47	mg/kg	8270C	07/28/11	1
2,4-Dimethylphenol	BDL	0.47	mg/kg	8270C	07/28/11	1
4,6-Dinitro-2-methylphenol	BDL	0.47	mg/kg	8270C	07/28/11	1
2,4-Dinitrophenol	BDL	0.47	mg/kg	8270C	07/28/11	1
2-Nitrophenol	BDL	0.47	mg/kg	8270C	07/28/11	1
4-Nitrophenol	BDL	0.47	mg/kg	8270C	07/28/11	1
Pentachlorophenol	BDL	0.47	mg/kg	8270C	07/28/11	1
Phenol	BDL	0.47	mg/kg	8270C	07/28/11	1
2,4,6-Trichlorophenol	BDL	0.47	mg/kg	8270C	07/28/11	1
Surrogate Recovery						
Nitrobenzene-d5	96.5		% Rec.	8270C	07/28/11	1
2-Fluorobiphenyl	90.7		% Rec.	8270C	07/28/11	1
p-Terphenyl-d14	105.		% Rec.	8270C	07/28/11	1
Phenol-d5	119.		% Rec.	8270C	07/28/11	1
2-Fluorophenol	101.		% Rec.	8270C	07/28/11	1
2,4,6-Tribromophenol	99.6		% Rec.	8270C	07/28/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-21

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-2 18-20FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 11:25

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	70.		%	2540G	07/29/11	1
Volatile Organics						
Acetone	BDL	0.072	mg/kg	8260B	07/27/11	1
Acrylonitrile	BDL	0.014	mg/kg	8260B	07/27/11	1
Benzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Bromobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Bromodichloromethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Bromoform	BDL	0.0014	mg/kg	8260B	07/27/11	1
Bromomethane	BDL	0.0072	mg/kg	8260B	07/27/11	1
n-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
sec-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
tert-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Carbon tetrachloride	BDL	0.0014	mg/kg	8260B	07/27/11	1
Chlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Chlorodibromomethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Chloroethane	BDL	0.0072	mg/kg	8260B	07/27/11	1
2-Chloroethyl vinyl ether	BDL	0.072	mg/kg	8260B	07/27/11	1
Chloroform	BDL	0.0072	mg/kg	8260B	07/27/11	1
Chloromethane	BDL	0.0036	mg/kg	8260B	07/27/11	1
2-Chlorotoluene	BDL	0.0014	mg/kg	8260B	07/27/11	1
4-Chlorotoluene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0072	mg/kg	8260B	07/27/11	1
1,2-Dibromoethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Dibromomethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,3-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,4-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Dichlorodifluoromethane	BDL	0.0072	mg/kg	8260B	07/27/11	1
1,1-Dichloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2-Dichloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1
cis-1,2-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1
trans-1,2-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,3-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/27/11	1
cis-1,3-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/27/11	1
trans-1,3-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/27/11	1
2,2-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Di-isopropyl ether	BDL	0.0014	mg/kg	8260B	07/27/11	1
Ethylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Isopropylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
p-Isopropyltoluene	BDL	0.0014	mg/kg	8260B	07/27/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-21

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-2 18-20FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 11:25

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.014	mg/kg	8260B	07/27/11	1
Methylene Chloride	BDL	0.0072	mg/kg	8260B	07/27/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.014	mg/kg	8260B	07/27/11	1
Methyl tert-butyl ether	BDL	0.0014	mg/kg	8260B	07/27/11	1
Naphthalene	BDL	0.0072	mg/kg	8260B	07/27/11	1
n-Propylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Styrene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Tetrachloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Toluene	BDL	0.0072	mg/kg	8260B	07/27/11	1
1,2,3-Trichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2,4-Trichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1,1-Trichloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1,2-Trichloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Trichloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Trichlorofluoromethane	BDL	0.0072	mg/kg	8260B	07/27/11	1
1,2,3-Trichloropropane	BDL	0.0036	mg/kg	8260B	07/27/11	1
1,2,4-Trimethylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,3,5-Trimethylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Vinyl chloride	BDL	0.0014	mg/kg	8260B	07/27/11	1
Xylenes, Total	BDL	0.0043	mg/kg	8260B	07/27/11	1
Surrogate Recovery						
Toluene-d8	99.6		% Rec.	8260B	07/27/11	1
Dibromofluoromethane	101.		% Rec.	8260B	07/27/11	1
4-Bromofluorobenzene	95.0		% Rec.	8260B	07/27/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-22

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-2 35-36FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 12:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	58.		%	2540G	07/29/11	1
Volatile Organics						
Acetone	BDL	0.086	mg/kg	8260B	07/27/11	1
Acrylonitrile	BDL	0.017	mg/kg	8260B	07/27/11	1
Benzene	BDL	0.0017	mg/kg	8260B	07/27/11	1
Bromobenzene	BDL	0.0017	mg/kg	8260B	07/27/11	1
Bromodichloromethane	BDL	0.0017	mg/kg	8260B	07/27/11	1
Bromoform	BDL	0.0017	mg/kg	8260B	07/27/11	1
Bromomethane	BDL	0.0086	mg/kg	8260B	07/27/11	1
n-Butylbenzene	BDL	0.0017	mg/kg	8260B	07/27/11	1
sec-Butylbenzene	BDL	0.0017	mg/kg	8260B	07/27/11	1
tert-Butylbenzene	BDL	0.0017	mg/kg	8260B	07/27/11	1
Carbon tetrachloride	BDL	0.0017	mg/kg	8260B	07/27/11	1
Chlorobenzene	BDL	0.0017	mg/kg	8260B	07/27/11	1
Chlorodibromomethane	BDL	0.0017	mg/kg	8260B	07/27/11	1
Chloroethane	BDL	0.0086	mg/kg	8260B	07/27/11	1
2-Chloroethyl vinyl ether	BDL	0.086	mg/kg	8260B	07/27/11	1
Chloroform	BDL	0.0086	mg/kg	8260B	07/27/11	1
Chloromethane	BDL	0.0043	mg/kg	8260B	07/27/11	1
2-Chlorotoluene	BDL	0.0017	mg/kg	8260B	07/27/11	1
4-Chlorotoluene	BDL	0.0017	mg/kg	8260B	07/27/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0086	mg/kg	8260B	07/27/11	1
1,2-Dibromoethane	BDL	0.0017	mg/kg	8260B	07/27/11	1
Dibromomethane	BDL	0.0017	mg/kg	8260B	07/27/11	1
1,2-Dichlorobenzene	BDL	0.0017	mg/kg	8260B	07/27/11	1
1,3-Dichlorobenzene	BDL	0.0017	mg/kg	8260B	07/27/11	1
1,4-Dichlorobenzene	BDL	0.0017	mg/kg	8260B	07/27/11	1
Dichlorodifluoromethane	BDL	0.0086	mg/kg	8260B	07/27/11	1
1,1-Dichloroethane	BDL	0.0017	mg/kg	8260B	07/27/11	1
1,2-Dichloroethane	BDL	0.0017	mg/kg	8260B	07/27/11	1
1,1-Dichloroethene	BDL	0.0017	mg/kg	8260B	07/27/11	1
cis-1,2-Dichloroethene	BDL	0.0017	mg/kg	8260B	07/27/11	1
trans-1,2-Dichloroethene	BDL	0.0017	mg/kg	8260B	07/27/11	1
1,2-Dichloropropane	BDL	0.0017	mg/kg	8260B	07/27/11	1
1,1-Dichloropropene	BDL	0.0017	mg/kg	8260B	07/27/11	1
1,3-Dichloropropane	BDL	0.0017	mg/kg	8260B	07/27/11	1
cis-1,3-Dichloropropene	BDL	0.0017	mg/kg	8260B	07/27/11	1
trans-1,3-Dichloropropene	BDL	0.0017	mg/kg	8260B	07/27/11	1
2,2-Dichloropropane	BDL	0.0017	mg/kg	8260B	07/27/11	1
Di-isopropyl ether	BDL	0.0017	mg/kg	8260B	07/27/11	1
Ethylbenzene	BDL	0.0017	mg/kg	8260B	07/27/11	1
Isopropylbenzene	BDL	0.0017	mg/kg	8260B	07/27/11	1
p-Isopropyltoluene	BDL	0.0017	mg/kg	8260B	07/27/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-22

Site ID : ELON NC

Project # : B11164100

Date Received : July 23, 2011
Description : Site Investigation

Sample ID : GP-2 35-36FT

Collected By : Larry Bertsch
Collection Date : 07/20/11 12:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	0.017	mg/kg	8260B	07/27/11	1
Methylene Chloride	BDL	0.0086	mg/kg	8260B	07/27/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.017	mg/kg	8260B	07/27/11	1
Methyl tert-butyl ether	BDL	0.0017	mg/kg	8260B	07/27/11	1
Naphthalene	BDL	0.0086	mg/kg	8260B	07/27/11	1
n-Propylbenzene	BDL	0.0017	mg/kg	8260B	07/27/11	1
Styrene	BDL	0.0017	mg/kg	8260B	07/27/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0017	mg/kg	8260B	07/27/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0017	mg/kg	8260B	07/27/11	1
Tetrachloroethene	0.0029	0.0017	mg/kg	8260B	07/27/11	1
Toluene	BDL	0.0086	mg/kg	8260B	07/27/11	1
1,2,3-Trichlorobenzene	BDL	0.0017	mg/kg	8260B	07/27/11	1
1,2,4-Trichlorobenzene	BDL	0.0017	mg/kg	8260B	07/27/11	1
1,1,1-Trichloroethane	BDL	0.0017	mg/kg	8260B	07/27/11	1
1,1,2-Trichloroethane	BDL	0.0017	mg/kg	8260B	07/27/11	1
Trichloroethene	0.16	0.0017	mg/kg	8260B	07/27/11	1
Trichlorofluoromethane	BDL	0.0086	mg/kg	8260B	07/27/11	1
1,2,3-Trichloropropane	BDL	0.0043	mg/kg	8260B	07/27/11	1
1,2,4-Trimethylbenzene	BDL	0.0017	mg/kg	8260B	07/27/11	1
1,3,5-Trimethylbenzene	BDL	0.0017	mg/kg	8260B	07/27/11	1
Vinyl chloride	BDL	0.0017	mg/kg	8260B	07/27/11	1
Xylenes, Total	BDL	0.0051	mg/kg	8260B	07/27/11	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	07/27/11	1
Dibromofluoromethane	99.5		% Rec.	8260B	07/27/11	1
4-Bromofluorobenzene	92.8		% Rec.	8260B	07/27/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-23

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-3 1-3FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 14:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	78.		%	2540G	07/29/11	1
Mercury	0.050	0.026	mg/kg	7471	07/26/11	1
Arsenic	BDL	1.3	mg/kg	6010B	07/26/11	1
Barium	38.	0.32	mg/kg	6010B	07/26/11	1
Cadmium	BDL	0.32	mg/kg	6010B	07/26/11	1
Chromium	44.	0.64	mg/kg	6010B	07/26/11	1
Lead	14.	0.32	mg/kg	6010B	07/26/11	1
Selenium	1.6	1.3	mg/kg	6010B	07/26/11	1
Silver	BDL	3.2	mg/kg	6010B	07/26/11	5
Zinc	20.	1.9	mg/kg	6010B	07/26/11	1
TPH (GC/FID) Low Fraction	BDL	0.13	mg/kg	8015D/GRO	07/27/11	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	103.		% Rec.	8015D/GRO	07/27/11	1
Volatile Organics						
Acetone	BDL	0.064	mg/kg	8260B	07/27/11	1
Acrylonitrile	BDL	0.013	mg/kg	8260B	07/27/11	1
Benzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Bromobenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Bromodichloromethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
Bromoform	BDL	0.0013	mg/kg	8260B	07/27/11	1
Bromomethane	BDL	0.0064	mg/kg	8260B	07/27/11	1
n-Butylbenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
sec-Butylbenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
tert-Butylbenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Carbon tetrachloride	BDL	0.0013	mg/kg	8260B	07/27/11	1
Chlorobenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Chlorodibromomethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
Chloroethane	BDL	0.0064	mg/kg	8260B	07/27/11	1
2-Chloroethyl vinyl ether	BDL	0.064	mg/kg	8260B	07/27/11	1
Chloroform	BDL	0.0064	mg/kg	8260B	07/27/11	1
Chloromethane	BDL	0.0032	mg/kg	8260B	07/27/11	1
2-Chlorotoluene	BDL	0.0013	mg/kg	8260B	07/27/11	1
4-Chlorotoluene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0064	mg/kg	8260B	07/27/11	1
1,2-Dibromoethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
Dibromomethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,2-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,3-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,4-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Dichlorodifluoromethane	BDL	0.0064	mg/kg	8260B	07/27/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-23

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-3 1-3FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 14:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,2-Dichloroethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,1-Dichloroethene	BDL	0.0013	mg/kg	8260B	07/27/11	1
cis-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	07/27/11	1
trans-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,1-Dichloropropene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,3-Dichloropropane	BDL	0.0013	mg/kg	8260B	07/27/11	1
cis-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	07/27/11	1
trans-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	07/27/11	1
2,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	07/27/11	1
Di-isopropyl ether	BDL	0.0013	mg/kg	8260B	07/27/11	1
Ethylbenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Isopropylbenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
p-Isopropyltoluene	BDL	0.0013	mg/kg	8260B	07/27/11	1
2-Butanone (MEK)	BDL	0.013	mg/kg	8260B	07/27/11	1
Methylene Chloride	BDL	0.0064	mg/kg	8260B	07/27/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.013	mg/kg	8260B	07/27/11	1
Methyl tert-butyl ether	BDL	0.0013	mg/kg	8260B	07/27/11	1
Naphthalene	BDL	0.0064	mg/kg	8260B	07/27/11	1
n-Propylbenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Styrene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
Tetrachloroethene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Toluene	BDL	0.0064	mg/kg	8260B	07/27/11	1
1,2,3-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,2,4-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,1,1-Trichloroethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,1,2-Trichloroethane	BDL	0.0013	mg/kg	8260B	07/27/11	1
Trichloroethene	0.026	0.0013	mg/kg	8260B	07/27/11	1
Trichlorofluoromethane	BDL	0.0064	mg/kg	8260B	07/27/11	1
1,2,3-Trichloropropane	BDL	0.0032	mg/kg	8260B	07/27/11	1
1,2,4-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
1,3,5-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	07/27/11	1
Vinyl chloride	BDL	0.0013	mg/kg	8260B	07/27/11	1
Xylenes, Total	BDL	0.0039	mg/kg	8260B	07/27/11	1
Surrogate Recovery						
Toluene-d8	101.		% Rec.	8260B	07/27/11	1
Dibromofluoromethane	100.		% Rec.	8260B	07/27/11	1
4-Bromofluorobenzene	95.9		% Rec.	8260B	07/27/11	1
TPH (GC/FID) High Fraction	BDL	5.2	mg/kg	3546/DRO	07/29/11	1
Surrogate recovery(%)						

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-23

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-3 1-3FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 14:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
o-Terphenyl	55.1		% Rec.	3546/DRO	07/29/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.042	mg/kg	8270C	07/28/11	1
Acenaphthylene	BDL	0.042	mg/kg	8270C	07/28/11	1
Anthracene	BDL	0.042	mg/kg	8270C	07/28/11	1
Benzidine	BDL	0.43	mg/kg	8270C	07/28/11	1
Benzo(a)anthracene	BDL	0.042	mg/kg	8270C	07/28/11	1
Benzo(b)fluoranthene	BDL	0.042	mg/kg	8270C	07/28/11	1
Benzo(k)fluoranthene	BDL	0.042	mg/kg	8270C	07/28/11	1
Benzo(g,h,i)perylene	BDL	0.042	mg/kg	8270C	07/28/11	1
Benzo(a)pyrene	BDL	0.042	mg/kg	8270C	07/28/11	1
Bis(2-chlorethoxy)methane	BDL	0.43	mg/kg	8270C	07/28/11	1
Bis(2-chloroethyl)ether	BDL	0.43	mg/kg	8270C	07/28/11	1
Bis(2-chloroisopropyl)ether	BDL	0.43	mg/kg	8270C	07/28/11	1
4-Bromophenyl-phenylether	BDL	0.43	mg/kg	8270C	07/28/11	1
2-Chloronaphthalene	BDL	0.042	mg/kg	8270C	07/28/11	1
4-Chlorophenyl-phenylether	BDL	0.43	mg/kg	8270C	07/28/11	1
Chrysene	BDL	0.042	mg/kg	8270C	07/28/11	1
Dibenz(a,h)anthracene	BDL	0.042	mg/kg	8270C	07/28/11	1
3,3-Dichlorobenzidine	BDL	0.43	mg/kg	8270C	07/28/11	1
2,4-Dinitrotoluene	BDL	0.43	mg/kg	8270C	07/28/11	1
2,6-Dinitrotoluene	BDL	0.43	mg/kg	8270C	07/28/11	1
Fluoranthene	BDL	0.042	mg/kg	8270C	07/28/11	1
Fluorene	BDL	0.042	mg/kg	8270C	07/28/11	1
Hexachlorobenzene	BDL	0.43	mg/kg	8270C	07/28/11	1
Hexachloro-1,3-butadiene	BDL	0.43	mg/kg	8270C	07/28/11	1
Hexachlorocyclopentadiene	BDL	0.43	mg/kg	8270C	07/28/11	1
Hexachloroethane	BDL	0.43	mg/kg	8270C	07/28/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.042	mg/kg	8270C	07/28/11	1
Isophorone	BDL	0.43	mg/kg	8270C	07/28/11	1
2-Methylnaphthalene	BDL	0.042	mg/kg	8270C	07/28/11	1
Naphthalene	BDL	0.042	mg/kg	8270C	07/28/11	1
Nitrobenzene	BDL	0.43	mg/kg	8270C	07/28/11	1
n-Nitrosodimethylamine	BDL	0.43	mg/kg	8270C	07/28/11	1
n-Nitrosodiphenylamine	BDL	0.43	mg/kg	8270C	07/28/11	1
n-Nitrosodi-n-propylamine	BDL	0.43	mg/kg	8270C	07/28/11	1
Phenanthrene	BDL	0.042	mg/kg	8270C	07/28/11	1
Benzylbutyl phthalate	BDL	0.43	mg/kg	8270C	07/28/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.43	mg/kg	8270C	07/28/11	1
Di-n-butyl phthalate	BDL	0.43	mg/kg	8270C	07/28/11	1
Diethyl phthalate	BDL	0.43	mg/kg	8270C	07/28/11	1
Dimethyl phthalate	BDL	0.43	mg/kg	8270C	07/28/11	1
Di-n-octyl phthalate	BDL	0.43	mg/kg	8270C	07/28/11	1

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-23

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-3 1-3FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 14:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	0.042	mg/kg	8270C	07/28/11	1
1,2,4-Trichlorobenzene	BDL	0.43	mg/kg	8270C	07/28/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.43	mg/kg	8270C	07/28/11	1
2-Chlorophenol	BDL	0.43	mg/kg	8270C	07/28/11	1
2,4-Dichlorophenol	BDL	0.43	mg/kg	8270C	07/28/11	1
2,4-Dimethylphenol	BDL	0.43	mg/kg	8270C	07/28/11	1
4,6-Dinitro-2-methylphenol	BDL	0.43	mg/kg	8270C	07/28/11	1
2,4-Dinitrophenol	BDL	0.43	mg/kg	8270C	07/28/11	1
2-Nitrophenol	BDL	0.43	mg/kg	8270C	07/28/11	1
4-Nitrophenol	BDL	0.43	mg/kg	8270C	07/28/11	1
Pentachlorophenol	BDL	0.43	mg/kg	8270C	07/28/11	1
Phenol	BDL	0.43	mg/kg	8270C	07/28/11	1
2,4,6-Trichlorophenol	BDL	0.43	mg/kg	8270C	07/28/11	1
Surrogate Recovery						
Nitrobenzene-d5	80.7		% Rec.	8270C	07/28/11	1
2-Fluorobiphenyl	68.0		% Rec.	8270C	07/28/11	1
p-Terphenyl-d14	69.1		% Rec.	8270C	07/28/11	1
Phenol-d5	96.2		% Rec.	8270C	07/28/11	1
2-Fluorophenol	84.9		% Rec.	8270C	07/28/11	1
2,4,6-Tribromophenol	80.7		% Rec.	8270C	07/28/11	1

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Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 09/21/11 15:30 Revised: 12/21/11 17:44

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-24

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-4 1-3FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 16:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	71.		%	2540G	07/29/11	1
Mercury	0.067	0.028	mg/kg	7471	07/26/11	1
Arsenic	BDL	1.4	mg/kg	6010B	07/26/11	1
Barium	25.	0.35	mg/kg	6010B	07/26/11	1
Cadmium	BDL	0.35	mg/kg	6010B	07/26/11	1
Chromium	41.	0.70	mg/kg	6010B	07/26/11	1
Lead	6.9	0.35	mg/kg	6010B	07/26/11	1
Selenium	4.5	1.4	mg/kg	6010B	07/26/11	1
Silver	BDL	3.5	mg/kg	6010B	07/26/11	5
Volatile Organics						
Acetone	BDL	0.070	mg/kg	8260B	07/27/11	1
Acrylonitrile	BDL	0.014	mg/kg	8260B	07/27/11	1
Benzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Bromobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Bromodichloromethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Bromoform	BDL	0.0014	mg/kg	8260B	07/27/11	1
Bromomethane	BDL	0.0070	mg/kg	8260B	07/27/11	1
n-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
sec-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
tert-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Carbon tetrachloride	BDL	0.0014	mg/kg	8260B	07/27/11	1
Chlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Chlorodibromomethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Chloroethane	BDL	0.0070	mg/kg	8260B	07/27/11	1
2-Chloroethyl vinyl ether	BDL	0.070	mg/kg	8260B	07/27/11	1
Chloroform	BDL	0.0070	mg/kg	8260B	07/27/11	1
Chloromethane	BDL	0.0035	mg/kg	8260B	07/27/11	1
2-Chlorotoluene	BDL	0.0014	mg/kg	8260B	07/27/11	1
4-Chlorotoluene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0070	mg/kg	8260B	07/27/11	1
1,2-Dibromoethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Dibromomethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,3-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,4-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Dichlorodifluoromethane	BDL	0.0070	mg/kg	8260B	07/27/11	1
1,1-Dichloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2-Dichloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1
cis-1,2-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1
trans-1,2-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1

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BDL - Below Detection Limit
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-24

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-4 1-3FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 16:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,3-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/27/11	1
cis-1,3-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/27/11	1
trans-1,3-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/27/11	1
2,2-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Di-isopropyl ether	BDL	0.0014	mg/kg	8260B	07/27/11	1
Ethylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Isopropylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
p-Isopropyltoluene	BDL	0.0014	mg/kg	8260B	07/27/11	1
2-Butanone (MEK)	BDL	0.014	mg/kg	8260B	07/27/11	1
Methylene Chloride	BDL	0.0070	mg/kg	8260B	07/27/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.014	mg/kg	8260B	07/27/11	1
Methyl tert-butyl ether	BDL	0.0014	mg/kg	8260B	07/27/11	1
Naphthalene	BDL	0.0070	mg/kg	8260B	07/27/11	1
n-Propylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Styrene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Tetrachloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Toluene	BDL	0.0070	mg/kg	8260B	07/27/11	1
1,2,3-Trichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2,4-Trichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1,1-Trichloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1,2-Trichloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Trichloroethene	0.020	0.0014	mg/kg	8260B	07/27/11	1
Trichlorofluoromethane	BDL	0.0070	mg/kg	8260B	07/27/11	1
1,2,3-Trichloropropane	BDL	0.0035	mg/kg	8260B	07/27/11	1
1,2,4-Trimethylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,3,5-Trimethylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Vinyl chloride	BDL	0.0014	mg/kg	8260B	07/27/11	1
Xylenes, Total	BDL	0.0042	mg/kg	8260B	07/27/11	1
Surrogate Recovery						
Toluene-d8	99.9		% Rec.	8260B	07/27/11	1
Dibromofluoromethane	98.1		% Rec.	8260B	07/27/11	1
4-Bromofluorobenzene	93.7		% Rec.	8260B	07/27/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.046	mg/kg	8270C	07/28/11	1
Acenaphthylene	BDL	0.046	mg/kg	8270C	07/28/11	1
Anthracene	BDL	0.046	mg/kg	8270C	07/28/11	1
Benzidine	BDL	0.47	mg/kg	8270C	07/28/11	1
Benzo(a)anthracene	BDL	0.046	mg/kg	8270C	07/28/11	1
Benzo(b)fluoranthene	BDL	0.046	mg/kg	8270C	07/28/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-24

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-4 1-3FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 16:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(k)fluoranthene	BDL	0.046	mg/kg	8270C	07/28/11	1
Benzo(g,h,i)perylene	BDL	0.046	mg/kg	8270C	07/28/11	1
Benzo(a)pyrene	BDL	0.046	mg/kg	8270C	07/28/11	1
Bis(2-chlorethoxy)methane	BDL	0.47	mg/kg	8270C	07/28/11	1
Bis(2-chloroethyl)ether	BDL	0.47	mg/kg	8270C	07/28/11	1
Bis(2-chloroisopropyl)ether	BDL	0.47	mg/kg	8270C	07/28/11	1
4-Bromophenyl-phenylether	BDL	0.47	mg/kg	8270C	07/28/11	1
2-Chloronaphthalene	BDL	0.046	mg/kg	8270C	07/28/11	1
4-Chlorophenyl-phenylether	BDL	0.47	mg/kg	8270C	07/28/11	1
Chrysene	BDL	0.046	mg/kg	8270C	07/28/11	1
Dibenz(a,h)anthracene	BDL	0.046	mg/kg	8270C	07/28/11	1
3,3-Dichlorobenzidine	BDL	0.47	mg/kg	8270C	07/28/11	1
2,4-Dinitrotoluene	BDL	0.47	mg/kg	8270C	07/28/11	1
2,6-Dinitrotoluene	BDL	0.47	mg/kg	8270C	07/28/11	1
Fluoranthene	BDL	0.046	mg/kg	8270C	07/28/11	1
Fluorene	BDL	0.046	mg/kg	8270C	07/28/11	1
Hexachlorobenzene	BDL	0.47	mg/kg	8270C	07/28/11	1
Hexachloro-1,3-butadiene	BDL	0.47	mg/kg	8270C	07/28/11	1
Hexachlorocyclopentadiene	BDL	0.47	mg/kg	8270C	07/28/11	1
Hexachloroethane	BDL	0.47	mg/kg	8270C	07/28/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.046	mg/kg	8270C	07/28/11	1
Isophorone	BDL	0.47	mg/kg	8270C	07/28/11	1
2-Methylnaphthalene	BDL	0.046	mg/kg	8270C	07/28/11	1
Naphthalene	BDL	0.046	mg/kg	8270C	07/28/11	1
Nitrobenzene	BDL	0.47	mg/kg	8270C	07/28/11	1
n-Nitrosodimethylamine	BDL	0.47	mg/kg	8270C	07/28/11	1
n-Nitrosodiphenylamine	BDL	0.47	mg/kg	8270C	07/28/11	1
n-Nitrosodi-n-propylamine	BDL	0.47	mg/kg	8270C	07/28/11	1
Phenanthrene	BDL	0.046	mg/kg	8270C	07/28/11	1
Benzylbutyl phthalate	BDL	0.47	mg/kg	8270C	07/28/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.47	mg/kg	8270C	07/28/11	1
Di-n-butyl phthalate	BDL	0.47	mg/kg	8270C	07/28/11	1
Diethyl phthalate	BDL	0.47	mg/kg	8270C	07/28/11	1
Dimethyl phthalate	BDL	0.47	mg/kg	8270C	07/28/11	1
Di-n-octyl phthalate	BDL	0.47	mg/kg	8270C	07/28/11	1
Pyrene	BDL	0.046	mg/kg	8270C	07/28/11	1
1,2,4-Trichlorobenzene	BDL	0.47	mg/kg	8270C	07/28/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.47	mg/kg	8270C	07/28/11	1
2-Chlorophenol	BDL	0.47	mg/kg	8270C	07/28/11	1
2,4-Dichlorophenol	BDL	0.47	mg/kg	8270C	07/28/11	1
2,4-Dimethylphenol	BDL	0.47	mg/kg	8270C	07/28/11	1
4,6-Dinitro-2-methylphenol	BDL	0.47	mg/kg	8270C	07/28/11	1
2,4-Dinitrophenol	BDL	0.47	mg/kg	8270C	07/28/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-24

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-4 1-3FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 16:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2-Nitrophenol	BDL	0.47	mg/kg	8270C	07/28/11	1
4-Nitrophenol	BDL	0.47	mg/kg	8270C	07/28/11	1
Pentachlorophenol	BDL	0.47	mg/kg	8270C	07/28/11	1
Phenol	BDL	0.47	mg/kg	8270C	07/28/11	1
2,4,6-Trichlorophenol	BDL	0.47	mg/kg	8270C	07/28/11	1
Surrogate Recovery						
Nitrobenzene-d5	55.8		% Rec.	8270C	07/28/11	1
2-Fluorobiphenyl	57.0		% Rec.	8270C	07/28/11	1
p-Terphenyl-d14	68.3		% Rec.	8270C	07/28/11	1
Phenol-d5	76.2		% Rec.	8270C	07/28/11	1
2-Fluorophenol	62.2		% Rec.	8270C	07/28/11	1
2,4,6-Tribromophenol	64.4		% Rec.	8270C	07/28/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 09/21/11 15:30 Revised: 12/21/11 17:44

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-25

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-5 13-15FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 17:20

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	73.		%	2540G	07/29/11	1
Mercury	BDL	0.027	mg/kg	7471	07/26/11	1
Arsenic	BDL	1.4	mg/kg	6010B	07/26/11	1
Barium	21.	0.34	mg/kg	6010B	07/26/11	1
Cadmium	BDL	0.34	mg/kg	6010B	07/26/11	1
Chromium	16.	0.68	mg/kg	6010B	07/26/11	1
Lead	5.9	0.34	mg/kg	6010B	07/26/11	1
Selenium	BDL	1.4	mg/kg	6010B	07/26/11	1
Silver	BDL	3.4	mg/kg	6010B	07/26/11	5
Zinc	6.9	2.0	mg/kg	6010B	07/26/11	1
TPH (GC/FID) Low Fraction	BDL	0.14	mg/kg	8015D/GRO	07/27/11	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	102.		% Rec.	8015D/GRO	07/27/11	1
Volatile Organics						
Acetone	BDL	0.068	mg/kg	8260B	07/27/11	1
Acrylonitrile	BDL	0.014	mg/kg	8260B	07/27/11	1
Benzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Bromobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Bromodichloromethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Bromoform	BDL	0.0014	mg/kg	8260B	07/27/11	1
Bromomethane	BDL	0.0068	mg/kg	8260B	07/27/11	1
n-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
sec-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
tert-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Carbon tetrachloride	BDL	0.0014	mg/kg	8260B	07/27/11	1
Chlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Chlorodibromomethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Chloroethane	BDL	0.0068	mg/kg	8260B	07/27/11	1
2-Chloroethyl vinyl ether	BDL	0.068	mg/kg	8260B	07/27/11	1
Chloroform	BDL	0.0068	mg/kg	8260B	07/27/11	1
Chloromethane	BDL	0.0034	mg/kg	8260B	07/27/11	1
2-Chlorotoluene	BDL	0.0014	mg/kg	8260B	07/27/11	1
4-Chlorotoluene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0068	mg/kg	8260B	07/27/11	1
1,2-Dibromoethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Dibromomethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,3-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,4-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Dichlorodifluoromethane	BDL	0.0068	mg/kg	8260B	07/27/11	1

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BDL - Below Detection Limit
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-25

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-5 13-15FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 17:20

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2-Dichloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1
cis-1,2-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1
trans-1,2-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,3-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/27/11	1
cis-1,3-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/27/11	1
trans-1,3-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/27/11	1
2,2-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Di-isopropyl ether	BDL	0.0014	mg/kg	8260B	07/27/11	1
Ethylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Hexachloro-1,3-butadiene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Isopropylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
p-Isopropyltoluene	BDL	0.0014	mg/kg	8260B	07/27/11	1
2-Butanone (MEK)	BDL	0.014	mg/kg	8260B	07/27/11	1
Methylene Chloride	BDL	0.0068	mg/kg	8260B	07/27/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.014	mg/kg	8260B	07/27/11	1
Methyl tert-butyl ether	BDL	0.0014	mg/kg	8260B	07/27/11	1
Naphthalene	BDL	0.0068	mg/kg	8260B	07/27/11	1
n-Propylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Styrene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Tetrachloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Toluene	BDL	0.0068	mg/kg	8260B	07/27/11	1
1,2,3-Trichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,2,4-Trichlorobenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1,1-Trichloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,1,2-Trichloroethane	BDL	0.0014	mg/kg	8260B	07/27/11	1
Trichloroethene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Trichlorofluoromethane	BDL	0.0068	mg/kg	8260B	07/27/11	1
1,2,3-Trichloropropane	BDL	0.0034	mg/kg	8260B	07/27/11	1
1,2,4-Trimethylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
1,3,5-Trimethylbenzene	BDL	0.0014	mg/kg	8260B	07/27/11	1
Vinyl chloride	BDL	0.0014	mg/kg	8260B	07/27/11	1
Xylenes, Total	BDL	0.0041	mg/kg	8260B	07/27/11	1
Surrogate Recovery						
Toluene-d8	100.		% Rec.	8260B	07/27/11	1
Dibromofluoromethane	96.6		% Rec.	8260B	07/27/11	1
4-Bromofluorobenzene	90.3		% Rec.	8260B	07/27/11	1
TPH (GC/FID) High Fraction	BDL	5.5	mg/kg	3546/DRO	07/29/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-25

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-5 13-15FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 17:20

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Surrogate recovery(%)						
o-Terphenyl	59.1		% Rec.	3546/DRO	07/29/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.045	mg/kg	8270C	07/29/11	1
Acenaphthylene	BDL	0.045	mg/kg	8270C	07/29/11	1
Anthracene	BDL	0.045	mg/kg	8270C	07/29/11	1
Benzidine	BDL	0.46	mg/kg	8270C	07/29/11	1
Benzo(a)anthracene	BDL	0.045	mg/kg	8270C	07/29/11	1
Benzo(b)fluoranthene	BDL	0.045	mg/kg	8270C	07/29/11	1
Benzo(k)fluoranthene	BDL	0.045	mg/kg	8270C	07/29/11	1
Benzo(g,h,i)perylene	BDL	0.045	mg/kg	8270C	07/29/11	1
Benzo(a)pyrene	BDL	0.045	mg/kg	8270C	07/29/11	1
Bis(2-chlorethoxy)methane	BDL	0.46	mg/kg	8270C	07/29/11	1
Bis(2-chloroethyl)ether	BDL	0.46	mg/kg	8270C	07/29/11	1
Bis(2-chloroisopropyl)ether	BDL	0.46	mg/kg	8270C	07/29/11	1
4-Bromophenyl-phenylether	BDL	0.46	mg/kg	8270C	07/29/11	1
2-Chloronaphthalene	BDL	0.045	mg/kg	8270C	07/29/11	1
4-Chlorophenyl-phenylether	BDL	0.46	mg/kg	8270C	07/29/11	1
Chrysene	BDL	0.045	mg/kg	8270C	07/29/11	1
Dibenz(a,h)anthracene	BDL	0.045	mg/kg	8270C	07/29/11	1
3,3-Dichlorobenzidine	BDL	0.46	mg/kg	8270C	07/29/11	1
2,4-Dinitrotoluene	BDL	0.46	mg/kg	8270C	07/29/11	1
2,6-Dinitrotoluene	BDL	0.46	mg/kg	8270C	07/29/11	1
Fluoranthene	BDL	0.045	mg/kg	8270C	07/29/11	1
Fluorene	BDL	0.045	mg/kg	8270C	07/29/11	1
Hexachlorobenzene	BDL	0.46	mg/kg	8270C	07/29/11	1
Hexachloro-1,3-butadiene	BDL	0.46	mg/kg	8270C	07/29/11	1
Hexachlorocyclopentadiene	BDL	0.46	mg/kg	8270C	07/29/11	1
Hexachloroethane	BDL	0.46	mg/kg	8270C	07/29/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.045	mg/kg	8270C	07/29/11	1
Isophorone	BDL	0.46	mg/kg	8270C	07/29/11	1
2-Methylnaphthalene	BDL	0.045	mg/kg	8270C	07/29/11	1
Naphthalene	BDL	0.045	mg/kg	8270C	07/29/11	1
Nitrobenzene	BDL	0.46	mg/kg	8270C	07/29/11	1
n-Nitrosodimethylamine	BDL	0.46	mg/kg	8270C	07/29/11	1
n-Nitrosodiphenylamine	BDL	0.46	mg/kg	8270C	07/29/11	1
n-Nitrosodi-n-propylamine	BDL	0.46	mg/kg	8270C	07/29/11	1
Phenanthrene	BDL	0.045	mg/kg	8270C	07/29/11	1
Benzylbutyl phthalate	BDL	0.46	mg/kg	8270C	07/29/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.46	mg/kg	8270C	07/29/11	1
Di-n-butyl phthalate	BDL	0.46	mg/kg	8270C	07/29/11	1
Diethyl phthalate	BDL	0.46	mg/kg	8270C	07/29/11	1
Dimethyl phthalate	BDL	0.46	mg/kg	8270C	07/29/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-25

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-5 13-15FT

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 17:20

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Di-n-octyl phthalate	BDL	0.46	mg/kg	8270C	07/29/11	1
Pyrene	BDL	0.045	mg/kg	8270C	07/29/11	1
1,2,4-Trichlorobenzene	BDL	0.46	mg/kg	8270C	07/29/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.46	mg/kg	8270C	07/29/11	1
2-Chlorophenol	BDL	0.46	mg/kg	8270C	07/29/11	1
2,4-Dichlorophenol	BDL	0.46	mg/kg	8270C	07/29/11	1
2,4-Dimethylphenol	BDL	0.46	mg/kg	8270C	07/29/11	1
4,6-Dinitro-2-methylphenol	BDL	0.46	mg/kg	8270C	07/29/11	1
2,4-Dinitrophenol	BDL	0.46	mg/kg	8270C	07/29/11	1
2-Nitrophenol	BDL	0.46	mg/kg	8270C	07/29/11	1
4-Nitrophenol	BDL	0.46	mg/kg	8270C	07/29/11	1
Pentachlorophenol	BDL	0.46	mg/kg	8270C	07/29/11	1
Phenol	BDL	0.46	mg/kg	8270C	07/29/11	1
2,4,6-Trichlorophenol	BDL	0.46	mg/kg	8270C	07/29/11	1
Surrogate Recovery						
Nitrobenzene-d5	68.1		% Rec.	8270C	07/29/11	1
2-Fluorobiphenyl	75.1		% Rec.	8270C	07/29/11	1
p-Terphenyl-d14	69.0		% Rec.	8270C	07/29/11	1
Phenol-d5	87.1		% Rec.	8270C	07/29/11	1
2-Fluorophenol	77.3		% Rec.	8270C	07/29/11	1
2,4,6-Tribromophenol	72.0		% Rec.	8270C	07/29/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 09/21/11 15:30 Revised: 12/21/11 17:44

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-26

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-1

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 16:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	07/25/11	1
Acrolein	BDL	50.	ug/l	8260B	07/25/11	1
Acrylonitrile	BDL	10.	ug/l	8260B	07/25/11	1
Benzene	BDL	1.0	ug/l	8260B	07/25/11	1
Bromobenzene	BDL	1.0	ug/l	8260B	07/25/11	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	07/25/11	1
Bromoform	BDL	1.0	ug/l	8260B	07/25/11	1
Bromomethane	BDL	5.0	ug/l	8260B	07/25/11	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	07/25/11	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	07/25/11	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	07/25/11	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	07/25/11	1
Chlorobenzene	BDL	1.0	ug/l	8260B	07/25/11	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	07/25/11	1
Chloroethane	BDL	5.0	ug/l	8260B	07/25/11	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	07/25/11	1
Chloroform	BDL	5.0	ug/l	8260B	07/25/11	1
Chloromethane	BDL	2.5	ug/l	8260B	07/25/11	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	07/25/11	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	07/25/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	07/25/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	07/25/11	1
Dibromomethane	BDL	1.0	ug/l	8260B	07/25/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/25/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/25/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/25/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	07/25/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	07/25/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	07/25/11	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	07/25/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	07/25/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	07/25/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	07/25/11	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	07/25/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	07/25/11	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	07/25/11	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	07/25/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	07/25/11	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	07/25/11	1
Ethylbenzene	BDL	1.0	ug/l	8260B	07/25/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	07/25/11	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	07/25/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	07/25/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527450-26

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-1

Project # : B11164100

Collected By : Larry Bertsch
Collection Date : 07/20/11 16:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Butanone (MEK)	BDL	10.	ug/l	8260B	07/25/11	1
Methylene Chloride	BDL	5.0	ug/l	8260B	07/25/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	07/25/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	07/25/11	1
Naphthalene	BDL	5.0	ug/l	8260B	07/25/11	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	07/25/11	1
Styrene	BDL	1.0	ug/l	8260B	07/25/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	07/25/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	07/25/11	1
Tetrachloroethene	54.	1.0	ug/l	8260B	07/25/11	1
Toluene	BDL	5.0	ug/l	8260B	07/25/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	07/25/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	07/25/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	07/25/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	07/25/11	1
Trichloroethene	1100	10.	ug/l	8260B	07/26/11	10
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	07/25/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	07/25/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	07/25/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	07/25/11	1
Vinyl chloride	BDL	1.0	ug/l	8260B	07/25/11	1
Xylenes, Total	BDL	3.0	ug/l	8260B	07/25/11	1
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	07/25/11	1
Dibromofluoromethane	105.		% Rec.	8260B	07/25/11	1
a,a,a-Trifluorotoluene	101.		% Rec.	8260B	07/25/11	1
4-Bromofluorobenzene	95.5		% Rec.	8260B	07/25/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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.
Reported: 09/21/11 15:30 Revised: 12/21/11 17:44

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L527450-01	WG547033	SAMP	Styrene	R1781791	J4
	WG547596	SAMP	Benzidine	R1790430	J3
L527450-02	WG547033	SAMP	Styrene	R1781791	J4
	WG547596	SAMP	Benzidine	R1790430	J3
L527450-03	WG547033	SAMP	Styrene	R1781791	J4
	WG547015	SAMP	Arsenic	R1780755	O
	WG547015	SAMP	Silver	R1780755	O
	WG547596	SAMP	Benzidine	R1790430	J3
L527450-04	WG547034	SAMP	TPH (GC/FID) Low Fraction	R1780791	J5
	WG547033	SAMP	Styrene	R1781791	J4
	WG547524	SAMP	Benzidine	R1794710	J4
L527450-05	WG547033	SAMP	Styrene	R1781791	J4
	WG547015	SAMP	Arsenic	R1780755	O
	WG547015	SAMP	Cadmium	R1780755	O
	WG547524	SAMP	Benzidine	R1794710	J4
L527450-06	WG547033	SAMP	Styrene	R1781791	J4
	WG547524	SAMP	Benzidine	R1794710	J4
L527450-07	WG547033	SAMP	Styrene	R1781791	J4
	WG547524	SAMP	Benzidine	R1794710	J4
L527450-08	WG547033	SAMP	Styrene	R1781791	J4
	WG547015	SAMP	Arsenic	R1780755	O
	WG547015	SAMP	Cadmium	R1780755	O
	WG547524	SAMP	Benzidine	R1794710	J4
L527450-16	WG547546	SAMP	Benzidine	R1791130	L1
	WG547546	SAMP	Benzo(g,h,i)perylene	R1791130	J3
	WG547546	SAMP	Dibenz(a,h)anthracene	R1791130	J3
	WG547546	SAMP	Indeno(1,2,3-cd)pyrene	R1791130	J3
	WG547546	SAMP	Pyrene	R1791130	J3
	WG547022	SAMP	Styrene	R1781293	J4
L527450-17	WG547056	SAMP	TPH (GC/FID) High Fraction	R1781971	J
	WG547546	SAMP	Benzidine	R1791130	L1
	WG547546	SAMP	Benzo(g,h,i)perylene	R1791130	J3
	WG547546	SAMP	Dibenz(a,h)anthracene	R1791130	J3
	WG547546	SAMP	Indeno(1,2,3-cd)pyrene	R1791130	J3
	WG547546	SAMP	Pyrene	R1791130	J3
	WG547022	SAMP	Styrene	R1781293	J4
L527450-18	WG547200	SAMP	Dimethyl phthalate	R1786351	J3
	WG547351	SAMP	Styrene	R1783730	J4
L527450-19	WG547220	SAMP	Silver	R1784970	O
	WG547596	SAMP	Benzidine	R1790430	J3
L527450-20	WG547220	SAMP	Arsenic	R1784970	O
	WG547220	SAMP	Cadmium	R1784970	O
	WG547220	SAMP	Selenium	R1784970	O
	WG547220	SAMP	Silver	R1784970	O
	WG547596	SAMP	Benzidine	R1790430	J3
L527450-23	WG547220	SAMP	Silver	R1784970	O
	WG547596	SAMP	Benzidine	R1790430	J3
L527450-24	WG547220	SAMP	Silver	R1784970	O
	WG547596	SAMP	Benzidine	R1790430	J3
L527450-25	WG547220	SAMP	Silver	R1784970	O
	WG547936	SAMP	Benzidine	R1794730	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high
L1	(ESC) The associated batch LCS exceeded the upper control limit, which indicates a high bias; The sample analyte was "not detected" and is therefore unaffected.
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

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Est. 1970

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

Report Summary

Wednesday December 21, 2011

Report Number: L527613
Samples Received: 07/23/11
Client Project: B11164100

Description: Site Investigation

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: John Hawkins

John Hawkins , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002,NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915, PA - 68-02979

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-01

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-6 10-12 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 09:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	69.		%	2540G	07/29/11	1
Mercury	0.057	0.029	mg/kg	7471	07/26/11	1
Arsenic	BDL	7.3	mg/kg	6010B	07/27/11	5
Barium	26.	1.8	mg/kg	6010B	07/27/11	5
Cadmium	BDL	1.8	mg/kg	6010B	07/27/11	5
Chromium	210	3.6	mg/kg	6010B	07/27/11	5
Lead	BDL	1.8	mg/kg	6010B	07/27/11	5
Selenium	24.	7.3	mg/kg	6010B	07/27/11	5
Silver	BDL	3.6	mg/kg	6010B	07/27/11	5
TPH (GC/FID) Low Fraction	BDL	0.14	mg/kg	8015D/GRO	07/27/11	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	102.		% Rec.	8015D/GRO	07/27/11	1
Volatile Organics						
Acetone	BDL	0.073	mg/kg	8260B	07/24/11	1
Acrylonitrile	BDL	0.014	mg/kg	8260B	07/24/11	1
Benzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Bromobenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Bromodichloromethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
Bromoform	BDL	0.0014	mg/kg	8260B	07/24/11	1
Bromomethane	BDL	0.0073	mg/kg	8260B	07/24/11	1
n-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
sec-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
tert-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Carbon tetrachloride	BDL	0.0014	mg/kg	8260B	07/24/11	1
Chlorobenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Chlorodibromomethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
Chloroethane	BDL	0.0073	mg/kg	8260B	07/24/11	1
2-Chloroethyl vinyl ether	BDL	0.073	mg/kg	8260B	07/24/11	1
Chloroform	BDL	0.0073	mg/kg	8260B	07/24/11	1
Chloromethane	BDL	0.0036	mg/kg	8260B	07/24/11	1
2-Chlorotoluene	BDL	0.0014	mg/kg	8260B	07/24/11	1
4-Chlorotoluene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0073	mg/kg	8260B	07/24/11	1
1,2-Dibromoethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
Dibromomethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,2-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,3-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,4-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Dichlorodifluoromethane	BDL	0.0073	mg/kg	8260B	07/24/11	1
1,1-Dichloroethane	BDL	0.0014	mg/kg	8260B	07/24/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-01

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-6 10-12 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 09:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,1-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/24/11	1
cis-1,2-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/24/11	1
trans-1,2-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,2-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,1-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,3-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/24/11	1
cis-1,3-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/24/11	1
trans-1,3-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/24/11	1
2,2-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/24/11	1
Di-isopropyl ether	BDL	0.0014	mg/kg	8260B	07/24/11	1
Ethylbenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Hexachloro-1,3-butadiene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Isopropylbenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
p-Isopropyltoluene	BDL	0.0014	mg/kg	8260B	07/24/11	1
2-Butanone (MEK)	BDL	0.014	mg/kg	8260B	07/24/11	1
Methylene Chloride	BDL	0.0073	mg/kg	8260B	07/24/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.014	mg/kg	8260B	07/24/11	1
Methyl tert-butyl ether	BDL	0.0014	mg/kg	8260B	07/24/11	1
Naphthalene	BDL	0.0073	mg/kg	8260B	07/24/11	1
n-Propylbenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Styrene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
Tetrachloroethene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Toluene	BDL	0.0073	mg/kg	8260B	07/24/11	1
1,2,3-Trichlorobenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,2,4-Trichlorobenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,1,1-Trichloroethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,1,2-Trichloroethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
Trichloroethene	0.0016	0.0014	mg/kg	8260B	07/24/11	1
Trichlorofluoromethane	BDL	0.0073	mg/kg	8260B	07/24/11	1
1,2,3-Trichloropropane	BDL	0.0036	mg/kg	8260B	07/24/11	1
1,2,4-Trimethylbenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,3,5-Trimethylbenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Vinyl chloride	BDL	0.0014	mg/kg	8260B	07/24/11	1
Xylenes, Total	BDL	0.0044	mg/kg	8260B	07/24/11	1
Surrogate Recovery						
Toluene-d8	105.		% Rec.	8260B	07/24/11	1
Dibromofluoromethane	102.		% Rec.	8260B	07/24/11	1
4-Bromofluorobenzene	101.		% Rec.	8260B	07/24/11	1
TPH (GC/FID) High Fraction	BDL	5.8	mg/kg	3546/DRO	07/29/11	1
Surrogate recovery(%)						

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-01

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-6 10-12 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 09:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
o-Terphenyl	77.5		% Rec.	3546/DRO	07/29/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.048	mg/kg	8270C	07/30/11	1
Acenaphthylene	BDL	0.048	mg/kg	8270C	07/30/11	1
Anthracene	BDL	0.048	mg/kg	8270C	07/30/11	1
Benzidine	BDL	0.48	mg/kg	8270C	07/30/11	1
Benzo(a)anthracene	BDL	0.048	mg/kg	8270C	07/30/11	1
Benzo(b)fluoranthene	BDL	0.048	mg/kg	8270C	07/30/11	1
Benzo(k)fluoranthene	BDL	0.048	mg/kg	8270C	07/30/11	1
Benzo(g,h,i)perylene	BDL	0.048	mg/kg	8270C	07/30/11	1
Benzo(a)pyrene	BDL	0.048	mg/kg	8270C	07/30/11	1
Bis(2-chlorethoxy)methane	BDL	0.48	mg/kg	8270C	07/30/11	1
Bis(2-chloroethyl)ether	BDL	0.48	mg/kg	8270C	07/30/11	1
Bis(2-chloroisopropyl)ether	BDL	0.48	mg/kg	8270C	07/30/11	1
4-Bromophenyl-phenylether	BDL	0.48	mg/kg	8270C	07/30/11	1
2-Chloronaphthalene	BDL	0.048	mg/kg	8270C	07/30/11	1
4-Chlorophenyl-phenylether	BDL	0.48	mg/kg	8270C	07/30/11	1
Chrysene	BDL	0.048	mg/kg	8270C	07/30/11	1
Dibenz(a,h)anthracene	BDL	0.048	mg/kg	8270C	07/30/11	1
3,3-Dichlorobenzidine	BDL	0.48	mg/kg	8270C	07/30/11	1
2,4-Dinitrotoluene	BDL	0.48	mg/kg	8270C	07/30/11	1
2,6-Dinitrotoluene	BDL	0.48	mg/kg	8270C	07/30/11	1
Fluoranthene	BDL	0.048	mg/kg	8270C	07/30/11	1
Fluorene	BDL	0.048	mg/kg	8270C	07/30/11	1
Hexachlorobenzene	BDL	0.48	mg/kg	8270C	07/30/11	1
Hexachloro-1,3-butadiene	BDL	0.48	mg/kg	8270C	07/30/11	1
Hexachlorocyclopentadiene	BDL	0.48	mg/kg	8270C	07/30/11	1
Hexachloroethane	BDL	0.48	mg/kg	8270C	07/30/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.048	mg/kg	8270C	07/30/11	1
Isophorone	BDL	0.48	mg/kg	8270C	07/30/11	1
2-Methylnaphthalene	BDL	0.048	mg/kg	8270C	07/30/11	1
Naphthalene	BDL	0.048	mg/kg	8270C	07/30/11	1
Nitrobenzene	BDL	0.48	mg/kg	8270C	07/30/11	1
n-Nitrosodimethylamine	BDL	0.48	mg/kg	8270C	07/30/11	1
n-Nitrosodiphenylamine	BDL	0.48	mg/kg	8270C	07/30/11	1
n-Nitrosodi-n-propylamine	BDL	0.48	mg/kg	8270C	07/30/11	1
Phenanthrene	BDL	0.048	mg/kg	8270C	07/30/11	1
Benzylbutyl phthalate	BDL	0.48	mg/kg	8270C	07/30/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.48	mg/kg	8270C	07/30/11	1
Di-n-butyl phthalate	BDL	0.48	mg/kg	8270C	07/30/11	1
Diethyl phthalate	BDL	0.48	mg/kg	8270C	07/30/11	1
Dimethyl phthalate	BDL	0.48	mg/kg	8270C	07/30/11	1
Di-n-octyl phthalate	BDL	0.48	mg/kg	8270C	07/30/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-01

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-6 10-12 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 09:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	0.048	mg/kg	8270C	07/30/11	1
1,2,4-Trichlorobenzene	BDL	0.48	mg/kg	8270C	07/30/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.48	mg/kg	8270C	07/30/11	1
2-Chlorophenol	BDL	0.48	mg/kg	8270C	07/30/11	1
2,4-Dichlorophenol	BDL	0.48	mg/kg	8270C	07/30/11	1
2,4-Dimethylphenol	BDL	0.48	mg/kg	8270C	07/30/11	1
4,6-Dinitro-2-methylphenol	BDL	0.48	mg/kg	8270C	07/30/11	1
2,4-Dinitrophenol	BDL	0.48	mg/kg	8270C	07/30/11	1
2-Nitrophenol	BDL	0.48	mg/kg	8270C	07/30/11	1
4-Nitrophenol	BDL	0.48	mg/kg	8270C	07/30/11	1
Pentachlorophenol	BDL	0.48	mg/kg	8270C	07/30/11	1
Phenol	BDL	0.48	mg/kg	8270C	07/30/11	1
2,4,6-Trichlorophenol	BDL	0.48	mg/kg	8270C	07/30/11	1
Surrogate Recovery						
Nitrobenzene-d5	72.9		% Rec.	8270C	07/30/11	1
2-Fluorobiphenyl	76.6		% Rec.	8270C	07/30/11	1
p-Terphenyl-d14	63.6		% Rec.	8270C	07/30/11	1
Phenol-d5	86.7		% Rec.	8270C	07/30/11	1
2-Fluorophenol	76.3		% Rec.	8270C	07/30/11	1
2,4,6-Tribromophenol	68.3		% Rec.	8270C	07/30/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 08/02/11 13:44 Revised: 12/21/11 16:07

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-02

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-7 13-15 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 11:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	59.		%	2540G	07/29/11	1
Mercury	BDL	0.034	mg/kg	7471	07/26/11	1
Arsenic	BDL	8.5	mg/kg	6010B	07/27/11	5
Barium	150	2.1	mg/kg	6010B	07/27/11	5
Cadmium	BDL	2.1	mg/kg	6010B	07/27/11	5
Chromium	140	4.3	mg/kg	6010B	07/27/11	5
Lead	BDL	2.1	mg/kg	6010B	07/27/11	5
Selenium	22.	8.5	mg/kg	6010B	07/27/11	5
Silver	BDL	4.3	mg/kg	6010B	07/27/11	5
TPH (GC/FID) Low Fraction	BDL	0.17	mg/kg	8015D/GRO	07/27/11	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	102.		% Rec.	8015D/GRO	07/27/11	1
Volatile Organics						
Acetone	BDL	0.085	mg/kg	8260B	07/25/11	1
Acrylonitrile	BDL	0.017	mg/kg	8260B	07/25/11	1
Benzene	BDL	0.0017	mg/kg	8260B	07/25/11	1
Bromobenzene	BDL	0.0017	mg/kg	8260B	07/25/11	1
Bromodichloromethane	BDL	0.0017	mg/kg	8260B	07/25/11	1
Bromoform	BDL	0.0017	mg/kg	8260B	07/25/11	1
Bromomethane	BDL	0.0085	mg/kg	8260B	07/25/11	1
n-Butylbenzene	BDL	0.0017	mg/kg	8260B	07/25/11	1
sec-Butylbenzene	BDL	0.0017	mg/kg	8260B	07/25/11	1
tert-Butylbenzene	BDL	0.0017	mg/kg	8260B	07/25/11	1
Carbon tetrachloride	BDL	0.0017	mg/kg	8260B	07/25/11	1
Chlorobenzene	BDL	0.0017	mg/kg	8260B	07/25/11	1
Chlorodibromomethane	BDL	0.0017	mg/kg	8260B	07/25/11	1
Chloroethane	BDL	0.0085	mg/kg	8260B	07/25/11	1
2-Chloroethyl vinyl ether	BDL	0.085	mg/kg	8260B	07/25/11	1
Chloroform	BDL	0.0085	mg/kg	8260B	07/25/11	1
Chloromethane	BDL	0.0043	mg/kg	8260B	07/25/11	1
2-Chlorotoluene	BDL	0.0017	mg/kg	8260B	07/25/11	1
4-Chlorotoluene	BDL	0.0017	mg/kg	8260B	07/25/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0085	mg/kg	8260B	07/25/11	1
1,2-Dibromoethane	BDL	0.0017	mg/kg	8260B	07/25/11	1
Dibromomethane	BDL	0.0017	mg/kg	8260B	07/25/11	1
1,2-Dichlorobenzene	BDL	0.0017	mg/kg	8260B	07/25/11	1
1,3-Dichlorobenzene	BDL	0.0017	mg/kg	8260B	07/25/11	1
1,4-Dichlorobenzene	BDL	0.0017	mg/kg	8260B	07/25/11	1
Dichlorodifluoromethane	BDL	0.0085	mg/kg	8260B	07/25/11	1
1,1-Dichloroethane	BDL	0.0017	mg/kg	8260B	07/25/11	1

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-02

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-7 13-15 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 11:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.0017	mg/kg	8260B	07/25/11	1
1,1-Dichloroethene	BDL	0.0017	mg/kg	8260B	07/25/11	1
cis-1,2-Dichloroethene	BDL	0.0017	mg/kg	8260B	07/25/11	1
trans-1,2-Dichloroethene	BDL	0.0017	mg/kg	8260B	07/25/11	1
1,2-Dichloropropane	BDL	0.0017	mg/kg	8260B	07/25/11	1
1,1-Dichloropropene	BDL	0.0017	mg/kg	8260B	07/25/11	1
1,3-Dichloropropane	BDL	0.0017	mg/kg	8260B	07/25/11	1
cis-1,3-Dichloropropene	BDL	0.0017	mg/kg	8260B	07/25/11	1
trans-1,3-Dichloropropene	BDL	0.0017	mg/kg	8260B	07/25/11	1
2,2-Dichloropropane	BDL	0.0017	mg/kg	8260B	07/25/11	1
Di-isopropyl ether	BDL	0.0017	mg/kg	8260B	07/25/11	1
Ethylbenzene	BDL	0.0017	mg/kg	8260B	07/25/11	1
Hexachloro-1,3-butadiene	BDL	0.0017	mg/kg	8260B	07/25/11	1
Isopropylbenzene	BDL	0.0017	mg/kg	8260B	07/25/11	1
p-Isopropyltoluene	BDL	0.0017	mg/kg	8260B	07/25/11	1
2-Butanone (MEK)	BDL	0.017	mg/kg	8260B	07/25/11	1
Methylene Chloride	BDL	0.0085	mg/kg	8260B	07/25/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.017	mg/kg	8260B	07/25/11	1
Methyl tert-butyl ether	BDL	0.0017	mg/kg	8260B	07/25/11	1
Naphthalene	BDL	0.0085	mg/kg	8260B	07/25/11	1
n-Propylbenzene	BDL	0.0017	mg/kg	8260B	07/25/11	1
Styrene	BDL	0.0017	mg/kg	8260B	07/25/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0017	mg/kg	8260B	07/25/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0017	mg/kg	8260B	07/25/11	1
Tetrachloroethene	BDL	0.0017	mg/kg	8260B	07/25/11	1
Toluene	BDL	0.0085	mg/kg	8260B	07/25/11	1
1,2,3-Trichlorobenzene	BDL	0.0017	mg/kg	8260B	07/25/11	1
1,2,4-Trichlorobenzene	BDL	0.0017	mg/kg	8260B	07/25/11	1
1,1,1-Trichloroethane	BDL	0.0017	mg/kg	8260B	07/25/11	1
1,1,2-Trichloroethane	BDL	0.0017	mg/kg	8260B	07/25/11	1
Trichloroethene	BDL	0.0017	mg/kg	8260B	07/25/11	1
Trichlorofluoromethane	BDL	0.0085	mg/kg	8260B	07/25/11	1
1,2,3-Trichloropropane	BDL	0.0043	mg/kg	8260B	07/25/11	1
1,2,4-Trimethylbenzene	BDL	0.0017	mg/kg	8260B	07/25/11	1
1,3,5-Trimethylbenzene	BDL	0.0017	mg/kg	8260B	07/25/11	1
Vinyl chloride	BDL	0.0017	mg/kg	8260B	07/25/11	1
Xylenes, Total	BDL	0.0051	mg/kg	8260B	07/25/11	1
Surrogate Recovery						
Toluene-d8	95.8		% Rec.	8260B	07/25/11	1
Dibromofluoromethane	101.		% Rec.	8260B	07/25/11	1
4-Bromofluorobenzene	103.		% Rec.	8260B	07/25/11	1
TPH (GC/FID) High Fraction	BDL	6.8	mg/kg	3546/DRO	07/29/11	1
Surrogate recovery(%)						

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-02

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-7 13-15 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 11:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
o-Terphenyl	71.9		% Rec.	3546/DRO	07/29/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.056	mg/kg	8270C	07/30/11	1
Acenaphthylene	BDL	0.056	mg/kg	8270C	07/30/11	1
Anthracene	BDL	0.056	mg/kg	8270C	07/30/11	1
Benzidine	BDL	0.57	mg/kg	8270C	07/30/11	1
Benzo(a)anthracene	BDL	0.056	mg/kg	8270C	07/30/11	1
Benzo(b)fluoranthene	BDL	0.056	mg/kg	8270C	07/30/11	1
Benzo(k)fluoranthene	BDL	0.056	mg/kg	8270C	07/30/11	1
Benzo(g,h,i)perylene	BDL	0.056	mg/kg	8270C	07/30/11	1
Benzo(a)pyrene	BDL	0.056	mg/kg	8270C	07/30/11	1
Bis(2-chlorethoxy)methane	BDL	0.57	mg/kg	8270C	07/30/11	1
Bis(2-chloroethyl)ether	BDL	0.57	mg/kg	8270C	07/30/11	1
Bis(2-chloroisopropyl)ether	BDL	0.57	mg/kg	8270C	07/30/11	1
4-Bromophenyl-phenylether	BDL	0.57	mg/kg	8270C	07/30/11	1
2-Chloronaphthalene	BDL	0.056	mg/kg	8270C	07/30/11	1
4-Chlorophenyl-phenylether	BDL	0.57	mg/kg	8270C	07/30/11	1
Chrysene	BDL	0.056	mg/kg	8270C	07/30/11	1
Dibenz(a,h)anthracene	BDL	0.056	mg/kg	8270C	07/30/11	1
3,3-Dichlorobenzidine	BDL	0.57	mg/kg	8270C	07/30/11	1
2,4-Dinitrotoluene	BDL	0.57	mg/kg	8270C	07/30/11	1
2,6-Dinitrotoluene	BDL	0.57	mg/kg	8270C	07/30/11	1
Fluoranthene	BDL	0.056	mg/kg	8270C	07/30/11	1
Fluorene	BDL	0.056	mg/kg	8270C	07/30/11	1
Hexachlorobenzene	BDL	0.57	mg/kg	8270C	07/30/11	1
Hexachloro-1,3-butadiene	BDL	0.57	mg/kg	8270C	07/30/11	1
Hexachlorocyclopentadiene	BDL	0.57	mg/kg	8270C	07/30/11	1
Hexachloroethane	BDL	0.57	mg/kg	8270C	07/30/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.056	mg/kg	8270C	07/30/11	1
Isophorone	BDL	0.57	mg/kg	8270C	07/30/11	1
2-Methylnaphthalene	BDL	0.056	mg/kg	8270C	07/30/11	1
Naphthalene	BDL	0.056	mg/kg	8270C	07/30/11	1
Nitrobenzene	BDL	0.57	mg/kg	8270C	07/30/11	1
n-Nitrosodimethylamine	BDL	0.57	mg/kg	8270C	07/30/11	1
n-Nitrosodiphenylamine	BDL	0.57	mg/kg	8270C	07/30/11	1
n-Nitrosodi-n-propylamine	BDL	0.57	mg/kg	8270C	07/30/11	1
Phenanthrene	BDL	0.056	mg/kg	8270C	07/30/11	1
Benzylbutyl phthalate	BDL	0.57	mg/kg	8270C	07/30/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.57	mg/kg	8270C	07/30/11	1
Di-n-butyl phthalate	BDL	0.57	mg/kg	8270C	07/30/11	1
Diethyl phthalate	BDL	0.57	mg/kg	8270C	07/30/11	1
Dimethyl phthalate	BDL	0.57	mg/kg	8270C	07/30/11	1
Di-n-octyl phthalate	BDL	0.57	mg/kg	8270C	07/30/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-02

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-7 13-15 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 11:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	0.056	mg/kg	8270C	07/30/11	1
1,2,4-Trichlorobenzene	BDL	0.57	mg/kg	8270C	07/30/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.57	mg/kg	8270C	07/30/11	1
2-Chlorophenol	BDL	0.57	mg/kg	8270C	07/30/11	1
2,4-Dichlorophenol	BDL	0.57	mg/kg	8270C	07/30/11	1
2,4-Dimethylphenol	BDL	0.57	mg/kg	8270C	07/30/11	1
4,6-Dinitro-2-methylphenol	BDL	0.57	mg/kg	8270C	07/30/11	1
2,4-Dinitrophenol	BDL	0.57	mg/kg	8270C	07/30/11	1
2-Nitrophenol	BDL	0.57	mg/kg	8270C	07/30/11	1
4-Nitrophenol	BDL	0.57	mg/kg	8270C	07/30/11	1
Pentachlorophenol	BDL	0.57	mg/kg	8270C	07/30/11	1
Phenol	BDL	0.57	mg/kg	8270C	07/30/11	1
2,4,6-Trichlorophenol	BDL	0.57	mg/kg	8270C	07/30/11	1
Surrogate Recovery						
Nitrobenzene-d5	62.9		% Rec.	8270C	07/30/11	1
2-Fluorobiphenyl	69.2		% Rec.	8270C	07/30/11	1
p-Terphenyl-d14	46.0		% Rec.	8270C	07/30/11	1
Phenol-d5	50.7		% Rec.	8270C	07/30/11	1
2-Fluorophenol	43.9		% Rec.	8270C	07/30/11	1
2,4,6-Tribromophenol	40.6		% Rec.	8270C	07/30/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 08/02/11 13:44 Revised: 12/21/11 16:07

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-03

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-7 30-32 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 11:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	73.		%	2540G	07/29/11	1
Volatile Organics						
Acetone	BDL	0.069	mg/kg	8260B	07/25/11	1
Acrylonitrile	BDL	0.014	mg/kg	8260B	07/25/11	1
Benzene	BDL	0.0014	mg/kg	8260B	07/25/11	1
Bromobenzene	BDL	0.0014	mg/kg	8260B	07/25/11	1
Bromodichloromethane	BDL	0.0014	mg/kg	8260B	07/25/11	1
Bromoform	BDL	0.0014	mg/kg	8260B	07/25/11	1
Bromomethane	BDL	0.0069	mg/kg	8260B	07/25/11	1
n-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/25/11	1
sec-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/25/11	1
tert-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/25/11	1
Carbon tetrachloride	BDL	0.0014	mg/kg	8260B	07/25/11	1
Chlorobenzene	BDL	0.0014	mg/kg	8260B	07/25/11	1
Chlorodibromomethane	BDL	0.0014	mg/kg	8260B	07/25/11	1
Chloroethane	BDL	0.0069	mg/kg	8260B	07/25/11	1
2-Chloroethyl vinyl ether	BDL	0.069	mg/kg	8260B	07/25/11	1
Chloroform	BDL	0.0069	mg/kg	8260B	07/25/11	1
Chloromethane	BDL	0.0034	mg/kg	8260B	07/25/11	1
2-Chlorotoluene	BDL	0.0014	mg/kg	8260B	07/25/11	1
4-Chlorotoluene	BDL	0.0014	mg/kg	8260B	07/25/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0069	mg/kg	8260B	07/25/11	1
1,2-Dibromoethane	BDL	0.0014	mg/kg	8260B	07/25/11	1
Dibromomethane	BDL	0.0014	mg/kg	8260B	07/25/11	1
1,2-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/25/11	1
1,3-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/25/11	1
1,4-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/25/11	1
Dichlorodifluoromethane	BDL	0.0069	mg/kg	8260B	07/25/11	1
1,1-Dichloroethane	BDL	0.0014	mg/kg	8260B	07/25/11	1
1,2-Dichloroethane	BDL	0.0014	mg/kg	8260B	07/25/11	1
1,1-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/25/11	1
cis-1,2-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/25/11	1
trans-1,2-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/25/11	1
1,2-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/25/11	1
1,1-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/25/11	1
1,3-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/25/11	1
cis-1,3-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/25/11	1
trans-1,3-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/25/11	1
2,2-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/25/11	1
Di-isopropyl ether	BDL	0.0014	mg/kg	8260B	07/25/11	1
Ethylbenzene	BDL	0.0014	mg/kg	8260B	07/25/11	1
Hexachloro-1,3-butadiene	BDL	0.0014	mg/kg	8260B	07/25/11	1
Isopropylbenzene	BDL	0.0014	mg/kg	8260B	07/25/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-03

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-7 30-32 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 11:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
p-Isopropyltoluene	BDL	0.0014	mg/kg	8260B	07/25/11	1
2-Butanone (MEK)	BDL	0.014	mg/kg	8260B	07/25/11	1
Methylene Chloride	BDL	0.0069	mg/kg	8260B	07/25/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.014	mg/kg	8260B	07/25/11	1
Methyl tert-butyl ether	BDL	0.0014	mg/kg	8260B	07/25/11	1
Naphthalene	BDL	0.0069	mg/kg	8260B	07/25/11	1
n-Propylbenzene	BDL	0.0014	mg/kg	8260B	07/25/11	1
Styrene	BDL	0.0014	mg/kg	8260B	07/25/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0014	mg/kg	8260B	07/25/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0014	mg/kg	8260B	07/25/11	1
Tetrachloroethene	BDL	0.0014	mg/kg	8260B	07/25/11	1
Toluene	BDL	0.0069	mg/kg	8260B	07/25/11	1
1,2,3-Trichlorobenzene	BDL	0.0014	mg/kg	8260B	07/25/11	1
1,2,4-Trichlorobenzene	BDL	0.0014	mg/kg	8260B	07/25/11	1
1,1,1-Trichloroethane	BDL	0.0014	mg/kg	8260B	07/25/11	1
1,1,2-Trichloroethane	BDL	0.0014	mg/kg	8260B	07/25/11	1
Trichloroethene	BDL	0.0014	mg/kg	8260B	07/25/11	1
Trichlorofluoromethane	BDL	0.0069	mg/kg	8260B	07/25/11	1
1,2,3-Trichloropropane	BDL	0.0034	mg/kg	8260B	07/25/11	1
1,2,4-Trimethylbenzene	BDL	0.0014	mg/kg	8260B	07/25/11	1
1,3,5-Trimethylbenzene	BDL	0.0014	mg/kg	8260B	07/25/11	1
Vinyl chloride	BDL	0.0014	mg/kg	8260B	07/25/11	1
Xylenes, Total	BDL	0.0041	mg/kg	8260B	07/25/11	1
Surrogate Recovery						
Toluene-d8	94.9		% Rec.	8260B	07/25/11	1
Dibromofluoromethane	100.		% Rec.	8260B	07/25/11	1
4-Bromofluorobenzene	103.		% Rec.	8260B	07/25/11	1

Results listed are dry weight basis.
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Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 08/02/11 13:44 Revised: 12/21/11 16:07

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-04

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-8 10-12 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 13:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	67.		%	2540G	07/29/11	1
Mercury	0.034	0.030	mg/kg	7471	07/26/11	1
Arsenic	BDL	7.4	mg/kg	6010B	07/27/11	5
Barium	32.	1.9	mg/kg	6010B	07/27/11	5
Cadmium	BDL	1.9	mg/kg	6010B	07/27/11	5
Chromium	48.	3.7	mg/kg	6010B	07/27/11	5
Lead	6.7	1.9	mg/kg	6010B	07/27/11	5
Selenium	21.	7.4	mg/kg	6010B	07/27/11	5
Silver	BDL	3.7	mg/kg	6010B	07/27/11	5
TPH (GC/FID) Low Fraction	BDL	0.15	mg/kg	8015D/GRO	07/27/11	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	102.		% Rec.	8015D/GRO	07/27/11	1
Volatile Organics						
Acetone	BDL	0.074	mg/kg	8260B	07/24/11	1
Acrylonitrile	BDL	0.015	mg/kg	8260B	07/24/11	1
Benzene	BDL	0.0015	mg/kg	8260B	07/24/11	1
Bromobenzene	BDL	0.0015	mg/kg	8260B	07/24/11	1
Bromodichloromethane	BDL	0.0015	mg/kg	8260B	07/24/11	1
Bromoform	BDL	0.0015	mg/kg	8260B	07/24/11	1
Bromomethane	BDL	0.0074	mg/kg	8260B	07/24/11	1
n-Butylbenzene	BDL	0.0015	mg/kg	8260B	07/24/11	1
sec-Butylbenzene	BDL	0.0015	mg/kg	8260B	07/24/11	1
tert-Butylbenzene	BDL	0.0015	mg/kg	8260B	07/24/11	1
Carbon tetrachloride	BDL	0.0015	mg/kg	8260B	07/24/11	1
Chlorobenzene	BDL	0.0015	mg/kg	8260B	07/24/11	1
Chlorodibromomethane	BDL	0.0015	mg/kg	8260B	07/24/11	1
Chloroethane	BDL	0.0074	mg/kg	8260B	07/24/11	1
2-Chloroethyl vinyl ether	BDL	0.074	mg/kg	8260B	07/24/11	1
Chloroform	BDL	0.0074	mg/kg	8260B	07/24/11	1
Chloromethane	BDL	0.0037	mg/kg	8260B	07/24/11	1
2-Chlorotoluene	BDL	0.0015	mg/kg	8260B	07/24/11	1
4-Chlorotoluene	BDL	0.0015	mg/kg	8260B	07/24/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0074	mg/kg	8260B	07/24/11	1
1,2-Dibromoethane	BDL	0.0015	mg/kg	8260B	07/24/11	1
Dibromomethane	BDL	0.0015	mg/kg	8260B	07/24/11	1
1,2-Dichlorobenzene	BDL	0.0015	mg/kg	8260B	07/24/11	1
1,3-Dichlorobenzene	BDL	0.0015	mg/kg	8260B	07/24/11	1
1,4-Dichlorobenzene	BDL	0.0015	mg/kg	8260B	07/24/11	1
Dichlorodifluoromethane	BDL	0.0074	mg/kg	8260B	07/24/11	1
1,1-Dichloroethane	BDL	0.0015	mg/kg	8260B	07/24/11	1

Results listed are dry weight basis.
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Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-04

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-8 10-12 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 13:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.0015	mg/kg	8260B	07/24/11	1
1,1-Dichloroethene	BDL	0.0015	mg/kg	8260B	07/24/11	1
cis-1,2-Dichloroethene	BDL	0.0015	mg/kg	8260B	07/24/11	1
trans-1,2-Dichloroethene	BDL	0.0015	mg/kg	8260B	07/24/11	1
1,2-Dichloropropane	BDL	0.0015	mg/kg	8260B	07/24/11	1
1,1-Dichloropropene	BDL	0.0015	mg/kg	8260B	07/24/11	1
1,3-Dichloropropane	BDL	0.0015	mg/kg	8260B	07/24/11	1
cis-1,3-Dichloropropene	BDL	0.0015	mg/kg	8260B	07/24/11	1
trans-1,3-Dichloropropene	BDL	0.0015	mg/kg	8260B	07/24/11	1
2,2-Dichloropropane	BDL	0.0015	mg/kg	8260B	07/24/11	1
Di-isopropyl ether	BDL	0.0015	mg/kg	8260B	07/24/11	1
Ethylbenzene	BDL	0.0015	mg/kg	8260B	07/24/11	1
Hexachloro-1,3-butadiene	BDL	0.0015	mg/kg	8260B	07/24/11	1
Isopropylbenzene	BDL	0.0015	mg/kg	8260B	07/24/11	1
p-Isopropyltoluene	BDL	0.0015	mg/kg	8260B	07/24/11	1
2-Butanone (MEK)	BDL	0.015	mg/kg	8260B	07/24/11	1
Methylene Chloride	BDL	0.0074	mg/kg	8260B	07/24/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.015	mg/kg	8260B	07/24/11	1
Methyl tert-butyl ether	BDL	0.0015	mg/kg	8260B	07/24/11	1
Naphthalene	BDL	0.0074	mg/kg	8260B	07/24/11	1
n-Propylbenzene	BDL	0.0015	mg/kg	8260B	07/24/11	1
Styrene	BDL	0.0015	mg/kg	8260B	07/24/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0015	mg/kg	8260B	07/24/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0015	mg/kg	8260B	07/24/11	1
Tetrachloroethene	BDL	0.0015	mg/kg	8260B	07/24/11	1
Toluene	BDL	0.0074	mg/kg	8260B	07/24/11	1
1,2,3-Trichlorobenzene	BDL	0.0015	mg/kg	8260B	07/24/11	1
1,2,4-Trichlorobenzene	BDL	0.0015	mg/kg	8260B	07/24/11	1
1,1,1-Trichloroethane	BDL	0.0015	mg/kg	8260B	07/24/11	1
1,1,2-Trichloroethane	BDL	0.0015	mg/kg	8260B	07/24/11	1
Trichloroethene	0.0031	0.0015	mg/kg	8260B	07/24/11	1
Trichlorofluoromethane	BDL	0.0074	mg/kg	8260B	07/24/11	1
1,2,3-Trichloropropane	BDL	0.0037	mg/kg	8260B	07/24/11	1
1,2,4-Trimethylbenzene	BDL	0.0015	mg/kg	8260B	07/24/11	1
1,3,5-Trimethylbenzene	BDL	0.0015	mg/kg	8260B	07/24/11	1
Vinyl chloride	BDL	0.0015	mg/kg	8260B	07/24/11	1
Xylenes, Total	BDL	0.0045	mg/kg	8260B	07/24/11	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	07/24/11	1
Dibromofluoromethane	103.		% Rec.	8260B	07/24/11	1
4-Bromofluorobenzene	95.7		% Rec.	8260B	07/24/11	1
TPH (GC/FID) High Fraction	BDL	6.0	mg/kg	3546/DRO	07/29/11	1
Surrogate recovery(%)						

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-04

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-8 10-12 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 13:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
o-Terphenyl	77.5		% Rec.	3546/DRO	07/29/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.049	mg/kg	8270C	07/30/11	1
Acenaphthylene	BDL	0.049	mg/kg	8270C	07/30/11	1
Anthracene	BDL	0.049	mg/kg	8270C	07/30/11	1
Benzidine	BDL	0.50	mg/kg	8270C	07/30/11	1
Benzo(a)anthracene	BDL	0.049	mg/kg	8270C	07/30/11	1
Benzo(b)fluoranthene	BDL	0.049	mg/kg	8270C	07/30/11	1
Benzo(k)fluoranthene	BDL	0.049	mg/kg	8270C	07/30/11	1
Benzo(g,h,i)perylene	BDL	0.049	mg/kg	8270C	07/30/11	1
Benzo(a)pyrene	BDL	0.049	mg/kg	8270C	07/30/11	1
Bis(2-chlorethoxy)methane	BDL	0.50	mg/kg	8270C	07/30/11	1
Bis(2-chloroethyl)ether	BDL	0.50	mg/kg	8270C	07/30/11	1
Bis(2-chloroisopropyl)ether	BDL	0.50	mg/kg	8270C	07/30/11	1
4-Bromophenyl-phenylether	BDL	0.50	mg/kg	8270C	07/30/11	1
2-Chloronaphthalene	BDL	0.049	mg/kg	8270C	07/30/11	1
4-Chlorophenyl-phenylether	BDL	0.50	mg/kg	8270C	07/30/11	1
Chrysene	BDL	0.049	mg/kg	8270C	07/30/11	1
Dibenz(a,h)anthracene	BDL	0.049	mg/kg	8270C	07/30/11	1
3,3-Dichlorobenzidine	BDL	0.50	mg/kg	8270C	07/30/11	1
2,4-Dinitrotoluene	BDL	0.50	mg/kg	8270C	07/30/11	1
2,6-Dinitrotoluene	BDL	0.50	mg/kg	8270C	07/30/11	1
Fluoranthene	BDL	0.049	mg/kg	8270C	07/30/11	1
Fluorene	BDL	0.049	mg/kg	8270C	07/30/11	1
Hexachlorobenzene	BDL	0.50	mg/kg	8270C	07/30/11	1
Hexachloro-1,3-butadiene	BDL	0.50	mg/kg	8270C	07/30/11	1
Hexachlorocyclopentadiene	BDL	0.50	mg/kg	8270C	07/30/11	1
Hexachloroethane	BDL	0.50	mg/kg	8270C	07/30/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.049	mg/kg	8270C	07/30/11	1
Isophorone	BDL	0.50	mg/kg	8270C	07/30/11	1
2-Methylnaphthalene	BDL	0.049	mg/kg	8270C	07/30/11	1
Naphthalene	BDL	0.049	mg/kg	8270C	07/30/11	1
Nitrobenzene	BDL	0.50	mg/kg	8270C	07/30/11	1
n-Nitrosodimethylamine	BDL	0.50	mg/kg	8270C	07/30/11	1
n-Nitrosodiphenylamine	BDL	0.50	mg/kg	8270C	07/30/11	1
n-Nitrosodi-n-propylamine	BDL	0.50	mg/kg	8270C	07/30/11	1
Phenanthrene	BDL	0.049	mg/kg	8270C	07/30/11	1
Benzylbutyl phthalate	BDL	0.50	mg/kg	8270C	07/30/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.50	mg/kg	8270C	07/30/11	1
Di-n-butyl phthalate	BDL	0.50	mg/kg	8270C	07/30/11	1
Diethyl phthalate	BDL	0.50	mg/kg	8270C	07/30/11	1
Dimethyl phthalate	BDL	0.50	mg/kg	8270C	07/30/11	1
Di-n-octyl phthalate	BDL	0.50	mg/kg	8270C	07/30/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-04

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-8 10-12 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 13:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	0.049	mg/kg	8270C	07/30/11	1
1,2,4-Trichlorobenzene	BDL	0.50	mg/kg	8270C	07/30/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.50	mg/kg	8270C	07/30/11	1
2-Chlorophenol	BDL	0.50	mg/kg	8270C	07/30/11	1
2,4-Dichlorophenol	BDL	0.50	mg/kg	8270C	07/30/11	1
2,4-Dimethylphenol	BDL	0.50	mg/kg	8270C	07/30/11	1
4,6-Dinitro-2-methylphenol	BDL	0.50	mg/kg	8270C	07/30/11	1
2,4-Dinitrophenol	BDL	0.50	mg/kg	8270C	07/30/11	1
2-Nitrophenol	BDL	0.50	mg/kg	8270C	07/30/11	1
4-Nitrophenol	BDL	0.50	mg/kg	8270C	07/30/11	1
Pentachlorophenol	BDL	0.50	mg/kg	8270C	07/30/11	1
Phenol	BDL	0.50	mg/kg	8270C	07/30/11	1
2,4,6-Trichlorophenol	BDL	0.50	mg/kg	8270C	07/30/11	1
Surrogate Recovery						
Nitrobenzene-d5	67.5		% Rec.	8270C	07/30/11	1
2-Fluorobiphenyl	77.4		% Rec.	8270C	07/30/11	1
p-Terphenyl-d14	75.1		% Rec.	8270C	07/30/11	1
Phenol-d5	80.9		% Rec.	8270C	07/30/11	1
2-Fluorophenol	69.1		% Rec.	8270C	07/30/11	1
2,4,6-Tribromophenol	71.5		% Rec.	8270C	07/30/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 08/02/11 13:44 Revised: 12/21/11 16:07

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Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-05

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-9 1-3 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 13:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	75.		%	2540G	07/29/11	1
Mercury	0.16	0.027	mg/kg	7471	07/26/11	1
Arsenic	BDL	6.7	mg/kg	6010B	07/27/11	5
Barium	30.	1.7	mg/kg	6010B	07/27/11	5
Cadmium	BDL	1.7	mg/kg	6010B	07/27/11	5
Chromium	48.	3.4	mg/kg	6010B	07/27/11	5
Lead	4.6	1.7	mg/kg	6010B	07/27/11	5
Selenium	15.	6.7	mg/kg	6010B	07/27/11	5
Silver	BDL	3.4	mg/kg	6010B	07/27/11	5
TPH (GC/FID) Low Fraction	BDL	0.13	mg/kg	8015D/GRO	07/27/11	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	101.		% Rec.	8015D/GRO	07/27/11	1
Volatile Organics						
Acetone	BDL	0.067	mg/kg	8260B	07/24/11	1
Acrylonitrile	BDL	0.013	mg/kg	8260B	07/24/11	1
Benzene	BDL	0.0013	mg/kg	8260B	07/24/11	1
Bromobenzene	BDL	0.0013	mg/kg	8260B	07/24/11	1
Bromodichloromethane	BDL	0.0013	mg/kg	8260B	07/24/11	1
Bromoform	BDL	0.0013	mg/kg	8260B	07/24/11	1
Bromomethane	BDL	0.0067	mg/kg	8260B	07/24/11	1
n-Butylbenzene	BDL	0.0013	mg/kg	8260B	07/24/11	1
sec-Butylbenzene	BDL	0.0013	mg/kg	8260B	07/24/11	1
tert-Butylbenzene	BDL	0.0013	mg/kg	8260B	07/24/11	1
Carbon tetrachloride	BDL	0.0013	mg/kg	8260B	07/24/11	1
Chlorobenzene	BDL	0.0013	mg/kg	8260B	07/24/11	1
Chlorodibromomethane	BDL	0.0013	mg/kg	8260B	07/24/11	1
Chloroethane	BDL	0.0067	mg/kg	8260B	07/24/11	1
2-Chloroethyl vinyl ether	BDL	0.067	mg/kg	8260B	07/24/11	1
Chloroform	BDL	0.0067	mg/kg	8260B	07/24/11	1
Chloromethane	BDL	0.0034	mg/kg	8260B	07/24/11	1
2-Chlorotoluene	BDL	0.0013	mg/kg	8260B	07/24/11	1
4-Chlorotoluene	BDL	0.0013	mg/kg	8260B	07/24/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0067	mg/kg	8260B	07/24/11	1
1,2-Dibromoethane	BDL	0.0013	mg/kg	8260B	07/24/11	1
Dibromomethane	BDL	0.0013	mg/kg	8260B	07/24/11	1
1,2-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	07/24/11	1
1,3-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	07/24/11	1
1,4-Dichlorobenzene	BDL	0.0013	mg/kg	8260B	07/24/11	1
Dichlorodifluoromethane	BDL	0.0067	mg/kg	8260B	07/24/11	1
1,1-Dichloroethane	BDL	0.0013	mg/kg	8260B	07/24/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-05

Site ID : ELON NC

Project # : B11164100

Date Received : July 23, 2011
Description : Site Investigation

Sample ID : GP-9 1-3 FT

Collected By : JB
Collection Date : 07/21/11 13:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.0013	mg/kg	8260B	07/24/11	1
1,1-Dichloroethene	BDL	0.0013	mg/kg	8260B	07/24/11	1
cis-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	07/24/11	1
trans-1,2-Dichloroethene	BDL	0.0013	mg/kg	8260B	07/24/11	1
1,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	07/24/11	1
1,1-Dichloropropene	BDL	0.0013	mg/kg	8260B	07/24/11	1
1,3-Dichloropropane	BDL	0.0013	mg/kg	8260B	07/24/11	1
cis-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	07/24/11	1
trans-1,3-Dichloropropene	BDL	0.0013	mg/kg	8260B	07/24/11	1
2,2-Dichloropropane	BDL	0.0013	mg/kg	8260B	07/24/11	1
Di-isopropyl ether	BDL	0.0013	mg/kg	8260B	07/24/11	1
Ethylbenzene	BDL	0.0013	mg/kg	8260B	07/24/11	1
Hexachloro-1,3-butadiene	BDL	0.0013	mg/kg	8260B	07/24/11	1
Isopropylbenzene	BDL	0.0013	mg/kg	8260B	07/24/11	1
p-Isopropyltoluene	BDL	0.0013	mg/kg	8260B	07/24/11	1
2-Butanone (MEK)	BDL	0.013	mg/kg	8260B	07/24/11	1
Methylene Chloride	BDL	0.0067	mg/kg	8260B	07/24/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.013	mg/kg	8260B	07/24/11	1
Methyl tert-butyl ether	BDL	0.0013	mg/kg	8260B	07/24/11	1
Naphthalene	BDL	0.0067	mg/kg	8260B	07/24/11	1
n-Propylbenzene	BDL	0.0013	mg/kg	8260B	07/24/11	1
Styrene	BDL	0.0013	mg/kg	8260B	07/24/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	07/24/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0013	mg/kg	8260B	07/24/11	1
Tetrachloroethene	BDL	0.0013	mg/kg	8260B	07/24/11	1
Toluene	BDL	0.0067	mg/kg	8260B	07/24/11	1
1,2,3-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	07/24/11	1
1,2,4-Trichlorobenzene	BDL	0.0013	mg/kg	8260B	07/24/11	1
1,1,1-Trichloroethane	BDL	0.0013	mg/kg	8260B	07/24/11	1
1,1,2-Trichloroethane	BDL	0.0013	mg/kg	8260B	07/24/11	1
Trichloroethene	BDL	0.0013	mg/kg	8260B	07/24/11	1
Trichlorofluoromethane	BDL	0.0067	mg/kg	8260B	07/24/11	1
1,2,3-Trichloropropane	BDL	0.0034	mg/kg	8260B	07/24/11	1
1,2,4-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	07/24/11	1
1,3,5-Trimethylbenzene	BDL	0.0013	mg/kg	8260B	07/24/11	1
Vinyl chloride	BDL	0.0013	mg/kg	8260B	07/24/11	1
Xylenes, Total	BDL	0.0040	mg/kg	8260B	07/24/11	1
Surrogate Recovery						
Toluene-d8	103.		% Rec.	8260B	07/24/11	1
Dibromofluoromethane	99.0		% Rec.	8260B	07/24/11	1
4-Bromofluorobenzene	93.9		% Rec.	8260B	07/24/11	1
TPH (GC/FID) High Fraction	BDL	5.4	mg/kg	3546/DRO	07/29/11	1
Surrogate recovery(%)						

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-05

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-9 1-3 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 13:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
o-Terphenyl	79.1		% Rec.	3546/DRO	07/29/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.044	mg/kg	8270C	07/30/11	1
Acenaphthylene	BDL	0.044	mg/kg	8270C	07/30/11	1
Anthracene	BDL	0.044	mg/kg	8270C	07/30/11	1
Benzidine	BDL	0.45	mg/kg	8270C	07/30/11	1
Benzo(a)anthracene	BDL	0.044	mg/kg	8270C	07/30/11	1
Benzo(b)fluoranthene	BDL	0.044	mg/kg	8270C	07/30/11	1
Benzo(k)fluoranthene	BDL	0.044	mg/kg	8270C	07/30/11	1
Benzo(g,h,i)perylene	BDL	0.044	mg/kg	8270C	07/30/11	1
Benzo(a)pyrene	BDL	0.044	mg/kg	8270C	07/30/11	1
Bis(2-chlorethoxy)methane	BDL	0.45	mg/kg	8270C	07/30/11	1
Bis(2-chloroethyl)ether	BDL	0.45	mg/kg	8270C	07/30/11	1
Bis(2-chloroisopropyl)ether	BDL	0.45	mg/kg	8270C	07/30/11	1
4-Bromophenyl-phenylether	BDL	0.45	mg/kg	8270C	07/30/11	1
2-Chloronaphthalene	BDL	0.044	mg/kg	8270C	07/30/11	1
4-Chlorophenyl-phenylether	BDL	0.45	mg/kg	8270C	07/30/11	1
Chrysene	BDL	0.044	mg/kg	8270C	07/30/11	1
Dibenz(a,h)anthracene	BDL	0.044	mg/kg	8270C	07/30/11	1
3,3-Dichlorobenzidine	BDL	0.45	mg/kg	8270C	07/30/11	1
2,4-Dinitrotoluene	BDL	0.45	mg/kg	8270C	07/30/11	1
2,6-Dinitrotoluene	BDL	0.45	mg/kg	8270C	07/30/11	1
Fluoranthene	BDL	0.044	mg/kg	8270C	07/30/11	1
Fluorene	BDL	0.044	mg/kg	8270C	07/30/11	1
Hexachlorobenzene	BDL	0.45	mg/kg	8270C	07/30/11	1
Hexachloro-1,3-butadiene	BDL	0.45	mg/kg	8270C	07/30/11	1
Hexachlorocyclopentadiene	BDL	0.45	mg/kg	8270C	07/30/11	1
Hexachloroethane	BDL	0.45	mg/kg	8270C	07/30/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.044	mg/kg	8270C	07/30/11	1
Isophorone	BDL	0.45	mg/kg	8270C	07/30/11	1
2-Methylnaphthalene	BDL	0.044	mg/kg	8270C	07/30/11	1
Naphthalene	BDL	0.044	mg/kg	8270C	07/30/11	1
Nitrobenzene	BDL	0.45	mg/kg	8270C	07/30/11	1
n-Nitrosodimethylamine	BDL	0.45	mg/kg	8270C	07/30/11	1
n-Nitrosodiphenylamine	BDL	0.45	mg/kg	8270C	07/30/11	1
n-Nitrosodi-n-propylamine	BDL	0.45	mg/kg	8270C	07/30/11	1
Phenanthrene	BDL	0.044	mg/kg	8270C	07/30/11	1
Benzylbutyl phthalate	BDL	0.45	mg/kg	8270C	07/30/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.45	mg/kg	8270C	07/30/11	1
Di-n-butyl phthalate	BDL	0.45	mg/kg	8270C	07/30/11	1
Diethyl phthalate	BDL	0.45	mg/kg	8270C	07/30/11	1
Dimethyl phthalate	BDL	0.45	mg/kg	8270C	07/30/11	1
Di-n-octyl phthalate	BDL	0.45	mg/kg	8270C	07/30/11	1

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Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-05

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-9 1-3 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 13:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	0.044	mg/kg	8270C	07/30/11	1
1,2,4-Trichlorobenzene	BDL	0.45	mg/kg	8270C	07/30/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.45	mg/kg	8270C	07/30/11	1
2-Chlorophenol	BDL	0.45	mg/kg	8270C	07/30/11	1
2,4-Dichlorophenol	BDL	0.45	mg/kg	8270C	07/30/11	1
2,4-Dimethylphenol	BDL	0.45	mg/kg	8270C	07/30/11	1
4,6-Dinitro-2-methylphenol	BDL	0.45	mg/kg	8270C	07/30/11	1
2,4-Dinitrophenol	BDL	0.45	mg/kg	8270C	07/30/11	1
2-Nitrophenol	BDL	0.45	mg/kg	8270C	07/30/11	1
4-Nitrophenol	BDL	0.45	mg/kg	8270C	07/30/11	1
Pentachlorophenol	BDL	0.45	mg/kg	8270C	07/30/11	1
Phenol	BDL	0.45	mg/kg	8270C	07/30/11	1
2,4,6-Trichlorophenol	BDL	0.45	mg/kg	8270C	07/30/11	1
Surrogate Recovery						
Nitrobenzene-d5	68.9		% Rec.	8270C	07/30/11	1
2-Fluorobiphenyl	73.1		% Rec.	8270C	07/30/11	1
p-Terphenyl-d14	60.2		% Rec.	8270C	07/30/11	1
Phenol-d5	85.3		% Rec.	8270C	07/30/11	1
2-Fluorophenol	77.0		% Rec.	8270C	07/30/11	1
2,4,6-Tribromophenol	67.2		% Rec.	8270C	07/30/11	1

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-06

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-1 38-40 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/20/11 00:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	58.		%	2540G	07/29/11	1
Mercury	BDL	0.034	mg/kg	7471	07/26/11	1
Arsenic	BDL	1.7	mg/kg	6010B	07/27/11	1
Barium	120	0.43	mg/kg	6010B	07/27/11	1
Cadmium	BDL	0.43	mg/kg	6010B	07/27/11	1
Chromium	78.	0.86	mg/kg	6010B	07/27/11	1
Lead	BDL	0.43	mg/kg	6010B	07/27/11	1
Selenium	12.	1.7	mg/kg	6010B	07/27/11	1
Silver	BDL	4.3	mg/kg	6010B	07/27/11	5
TPH (GC/FID) Low Fraction	BDL	0.17	mg/kg	8015D/GRO	07/25/11	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	100.		% Rec.	8015D/GRO	07/25/11	1
TPH (GC/FID) High Fraction	BDL	6.8	mg/kg	3546/DRO	07/29/11	1
Surrogate recovery(%)						
o-Terphenyl	69.0		% Rec.	3546/DRO	07/29/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.056	mg/kg	8270C	07/30/11	1
Acenaphthylene	BDL	0.056	mg/kg	8270C	07/30/11	1
Anthracene	BDL	0.056	mg/kg	8270C	07/30/11	1
Benzidine	BDL	0.57	mg/kg	8270C	07/30/11	1
Benzo(a)anthracene	BDL	0.056	mg/kg	8270C	07/30/11	1
Benzo(b)fluoranthene	BDL	0.056	mg/kg	8270C	07/30/11	1
Benzo(k)fluoranthene	BDL	0.056	mg/kg	8270C	07/30/11	1
Benzo(g,h,i)perylene	BDL	0.056	mg/kg	8270C	07/30/11	1
Benzo(a)pyrene	BDL	0.056	mg/kg	8270C	07/30/11	1
Bis(2-chlorethoxy)methane	BDL	0.57	mg/kg	8270C	07/30/11	1
Bis(2-chloroethyl)ether	BDL	0.57	mg/kg	8270C	07/30/11	1
Bis(2-chloroisopropyl)ether	BDL	0.57	mg/kg	8270C	07/30/11	1
4-Bromophenyl-phenylether	BDL	0.57	mg/kg	8270C	07/30/11	1
2-Chloronaphthalene	BDL	0.056	mg/kg	8270C	07/30/11	1
4-Chlorophenyl-phenylether	BDL	0.57	mg/kg	8270C	07/30/11	1
Chrysene	BDL	0.056	mg/kg	8270C	07/30/11	1
Dibenz(a,h)anthracene	BDL	0.056	mg/kg	8270C	07/30/11	1
3,3-Dichlorobenzidine	BDL	0.57	mg/kg	8270C	07/30/11	1
2,4-Dinitrotoluene	BDL	0.57	mg/kg	8270C	07/30/11	1
2,6-Dinitrotoluene	BDL	0.57	mg/kg	8270C	07/30/11	1
Fluoranthene	BDL	0.056	mg/kg	8270C	07/30/11	1
Fluorene	BDL	0.056	mg/kg	8270C	07/30/11	1
Hexachlorobenzene	BDL	0.57	mg/kg	8270C	07/30/11	1

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-06

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-1 38-40 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/20/11 00:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Hexachloro-1,3-butadiene	BDL	0.57	mg/kg	8270C	07/30/11	1
Hexachlorocyclopentadiene	BDL	0.57	mg/kg	8270C	07/30/11	1
Hexachloroethane	BDL	0.57	mg/kg	8270C	07/30/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.056	mg/kg	8270C	07/30/11	1
Isophorone	BDL	0.57	mg/kg	8270C	07/30/11	1
2-Methylnaphthalene	BDL	0.056	mg/kg	8270C	07/30/11	1
Naphthalene	BDL	0.056	mg/kg	8270C	07/30/11	1
Nitrobenzene	BDL	0.57	mg/kg	8270C	07/30/11	1
n-Nitrosodimethylamine	BDL	0.57	mg/kg	8270C	07/30/11	1
n-Nitrosodiphenylamine	BDL	0.57	mg/kg	8270C	07/30/11	1
n-Nitrosodi-n-propylamine	BDL	0.57	mg/kg	8270C	07/30/11	1
Phenanthrene	BDL	0.056	mg/kg	8270C	07/30/11	1
Benzylbutyl phthalate	BDL	0.57	mg/kg	8270C	07/30/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.57	mg/kg	8270C	07/30/11	1
Di-n-butyl phthalate	BDL	0.57	mg/kg	8270C	07/30/11	1
Diethyl phthalate	BDL	0.57	mg/kg	8270C	07/30/11	1
Dimethyl phthalate	BDL	0.57	mg/kg	8270C	07/30/11	1
Di-n-octyl phthalate	BDL	0.57	mg/kg	8270C	07/30/11	1
Pyrene	BDL	0.056	mg/kg	8270C	07/30/11	1
1,2,4-Trichlorobenzene	BDL	0.57	mg/kg	8270C	07/30/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.57	mg/kg	8270C	07/30/11	1
2-Chlorophenol	BDL	0.57	mg/kg	8270C	07/30/11	1
2,4-Dichlorophenol	BDL	0.57	mg/kg	8270C	07/30/11	1
2,4-Dimethylphenol	BDL	0.57	mg/kg	8270C	07/30/11	1
4,6-Dinitro-2-methylphenol	BDL	0.57	mg/kg	8270C	07/30/11	1
2,4-Dinitrophenol	BDL	0.57	mg/kg	8270C	07/30/11	1
2-Nitrophenol	BDL	0.57	mg/kg	8270C	07/30/11	1
4-Nitrophenol	BDL	0.57	mg/kg	8270C	07/30/11	1
Pentachlorophenol	BDL	0.57	mg/kg	8270C	07/30/11	1
Phenol	BDL	0.57	mg/kg	8270C	07/30/11	1
2,4,6-Trichlorophenol	BDL	0.57	mg/kg	8270C	07/30/11	1
Surrogate Recovery						
Nitrobenzene-d5	48.1		% Rec.	8270C	07/30/11	1
2-Fluorobiphenyl	53.0		% Rec.	8270C	07/30/11	1
p-Terphenyl-d14	35.4		% Rec.	8270C	07/30/11	1
Phenol-d5	25.4		% Rec.	8270C	07/30/11	1
2-Fluorophenol	25.4		% Rec.	8270C	07/30/11	1
2,4,6-Tribromophenol	19.3		% Rec.	8270C	07/30/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-07

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : HA-1 0-1 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/20/11 17:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	83.		%	2540G	07/29/11	1
TPH (GC/FID) Low Fraction	BDL	0.12	mg/kg	8015D/GRO	07/25/11	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	99.9		% Rec.	8015D/GRO	07/25/11	1
TPH (GC/FID) High Fraction	17.	4.8	mg/kg	3546/DRO	07/30/11	1
Surrogate recovery(%)						
o-Terphenyl	90.1		% Rec.	3546/DRO	07/30/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-08

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : HA-2 0-1 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/20/11 17:10

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	71.		%	2540G	07/29/11	1
TPH (GC/FID) Low Fraction	BDL	0.14	mg/kg	8015D/GRO	07/25/11	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	101.		% Rec.	8015D/GRO	07/25/11	1
TPH (GC/FID) High Fraction	17.	5.6	mg/kg	3546/DRO	07/29/11	1
Surrogate recovery(%)						
o-Terphenyl	65.1		% Rec.	3546/DRO	07/29/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-09

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : HA-3 0-1 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/20/11 17:20

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	69.		%	2540G	07/29/11	1
TPH (GC/FID) Low Fraction	BDL	0.14	mg/kg	8015D/GRO	07/25/11	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	102.		% Rec.	8015D/GRO	07/25/11	1
TPH (GC/FID) High Fraction	7.1	5.8	mg/kg	3546/DRO	07/30/11	1
Surrogate recovery(%)						
o-Terphenyl	87.8		% Rec.	3546/DRO	07/30/11	1

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-10

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-10 1-3 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 09:07

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	80.		%	2540G	07/29/11	1
Mercury	2.3	0.25	mg/kg	7471	07/26/11	10
Arsenic	2.0	1.2	mg/kg	6010B	07/27/11	1
Barium	33.	0.31	mg/kg	6010B	07/27/11	1
Cadmium	BDL	0.31	mg/kg	6010B	07/27/11	1
Chromium	150	0.63	mg/kg	6010B	07/27/11	1
Lead	14.	0.31	mg/kg	6010B	07/27/11	1
Selenium	10.	1.2	mg/kg	6010B	07/27/11	1
Silver	BDL	3.1	mg/kg	6010B	07/27/11	5
Volatile Organics						
Acetone	BDL	0.063	mg/kg	8260B	07/26/11	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	07/26/11	1
Benzene	BDL	0.0012	mg/kg	8260B	07/26/11	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	07/26/11	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	07/26/11	1
Bromoform	BDL	0.0012	mg/kg	8260B	07/26/11	1
Bromomethane	BDL	0.0063	mg/kg	8260B	07/26/11	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	07/26/11	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	07/26/11	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	07/26/11	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	07/26/11	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	07/26/11	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	07/26/11	1
Chloroethane	BDL	0.0063	mg/kg	8260B	07/26/11	1
2-Chloroethyl vinyl ether	BDL	0.063	mg/kg	8260B	07/26/11	1
Chloroform	BDL	0.0063	mg/kg	8260B	07/26/11	1
Chloromethane	BDL	0.0031	mg/kg	8260B	07/26/11	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	07/26/11	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	07/26/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0063	mg/kg	8260B	07/26/11	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	07/26/11	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	07/26/11	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	07/26/11	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	07/26/11	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	07/26/11	1
Dichlorodifluoromethane	BDL	0.0063	mg/kg	8260B	07/26/11	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	07/26/11	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	07/26/11	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	07/26/11	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	07/26/11	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	07/26/11	1

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-10

Site ID : ELON NC

Project # : B11164100

Date Received : July 23, 2011
Description : Site Investigation

Sample ID : GP-10 1-3 FT

Collected By : JB
Collection Date : 07/22/11 09:07

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	07/26/11	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	07/26/11	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	07/26/11	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	07/26/11	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	07/26/11	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	07/26/11	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	07/26/11	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	07/26/11	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	07/26/11	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	07/26/11	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	07/26/11	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	07/26/11	1
Methylene Chloride	BDL	0.0063	mg/kg	8260B	07/26/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	07/26/11	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	07/26/11	1
Naphthalene	BDL	0.0063	mg/kg	8260B	07/26/11	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	07/26/11	1
Styrene	BDL	0.0012	mg/kg	8260B	07/26/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	07/26/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	07/26/11	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	07/26/11	1
Toluene	BDL	0.0063	mg/kg	8260B	07/26/11	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	07/26/11	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	07/26/11	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	07/26/11	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	07/26/11	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	07/26/11	1
Trichlorofluoromethane	BDL	0.0063	mg/kg	8260B	07/26/11	1
1,2,3-Trichloropropane	BDL	0.0031	mg/kg	8260B	07/26/11	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	07/26/11	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	07/26/11	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	07/26/11	1
Xylenes, Total	BDL	0.0038	mg/kg	8260B	07/26/11	1
Surrogate Recovery						
Toluene-d8	97.6		% Rec.	8260B	07/26/11	1
Dibromofluoromethane	96.6		% Rec.	8260B	07/26/11	1
4-Bromofluorobenzene	98.6		% Rec.	8260B	07/26/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.041	mg/kg	8270C	07/30/11	1
Acenaphthylene	BDL	0.041	mg/kg	8270C	07/30/11	1
Anthracene	BDL	0.041	mg/kg	8270C	07/30/11	1
Benzidine	BDL	0.42	mg/kg	8270C	07/30/11	1
Benzo(a)anthracene	BDL	0.041	mg/kg	8270C	07/30/11	1

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-10

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-10 1-3 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 09:07

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	BDL	0.041	mg/kg	8270C	07/30/11	1
Benzo(k)fluoranthene	BDL	0.041	mg/kg	8270C	07/30/11	1
Benzo(g,h,i)perylene	BDL	0.041	mg/kg	8270C	07/30/11	1
Benzo(a)pyrene	BDL	0.041	mg/kg	8270C	07/30/11	1
Bis(2-chlorethoxy)methane	BDL	0.42	mg/kg	8270C	07/30/11	1
Bis(2-chloroethyl)ether	BDL	0.42	mg/kg	8270C	07/30/11	1
Bis(2-chloroisopropyl)ether	BDL	0.42	mg/kg	8270C	07/30/11	1
4-Bromophenyl-phenylether	BDL	0.42	mg/kg	8270C	07/30/11	1
2-Chloronaphthalene	BDL	0.041	mg/kg	8270C	07/30/11	1
4-Chlorophenyl-phenylether	BDL	0.42	mg/kg	8270C	07/30/11	1
Chrysene	BDL	0.041	mg/kg	8270C	07/30/11	1
Dibenz(a,h)anthracene	BDL	0.041	mg/kg	8270C	07/30/11	1
3,3-Dichlorobenzidine	BDL	0.42	mg/kg	8270C	07/30/11	1
2,4-Dinitrotoluene	BDL	0.42	mg/kg	8270C	07/30/11	1
2,6-Dinitrotoluene	BDL	0.42	mg/kg	8270C	07/30/11	1
Fluoranthene	BDL	0.041	mg/kg	8270C	07/30/11	1
Fluorene	BDL	0.041	mg/kg	8270C	07/30/11	1
Hexachlorobenzene	BDL	0.42	mg/kg	8270C	07/30/11	1
Hexachloro-1,3-butadiene	BDL	0.42	mg/kg	8270C	07/30/11	1
Hexachlorocyclopentadiene	BDL	0.42	mg/kg	8270C	07/30/11	1
Hexachloroethane	BDL	0.42	mg/kg	8270C	07/30/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.041	mg/kg	8270C	07/30/11	1
Isophorone	BDL	0.42	mg/kg	8270C	07/30/11	1
2-Methylnaphthalene	BDL	0.041	mg/kg	8270C	07/30/11	1
Naphthalene	BDL	0.041	mg/kg	8270C	07/30/11	1
Nitrobenzene	BDL	0.42	mg/kg	8270C	07/30/11	1
n-Nitrosodimethylamine	BDL	0.42	mg/kg	8270C	07/30/11	1
n-Nitrosodiphenylamine	BDL	0.42	mg/kg	8270C	07/30/11	1
n-Nitrosodi-n-propylamine	BDL	0.42	mg/kg	8270C	07/30/11	1
Phenanthrene	BDL	0.041	mg/kg	8270C	07/30/11	1
Benzylbutyl phthalate	BDL	0.42	mg/kg	8270C	07/30/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.42	mg/kg	8270C	07/30/11	1
Di-n-butyl phthalate	BDL	0.42	mg/kg	8270C	07/30/11	1
Diethyl phthalate	BDL	0.42	mg/kg	8270C	07/30/11	1
Dimethyl phthalate	BDL	0.42	mg/kg	8270C	07/30/11	1
Di-n-octyl phthalate	BDL	0.42	mg/kg	8270C	07/30/11	1
Pyrene	BDL	0.041	mg/kg	8270C	07/30/11	1
1,2,4-Trichlorobenzene	BDL	0.42	mg/kg	8270C	07/30/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.42	mg/kg	8270C	07/30/11	1
2-Chlorophenol	BDL	0.42	mg/kg	8270C	07/30/11	1
2,4-Dichlorophenol	BDL	0.42	mg/kg	8270C	07/30/11	1
2,4-Dimethylphenol	BDL	0.42	mg/kg	8270C	07/30/11	1
4,6-Dinitro-2-methylphenol	BDL	0.42	mg/kg	8270C	07/30/11	1

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-10

Site ID : ELON NC

Project # : B11164100

Date Received : July 23, 2011
Description : Site Investigation

Sample ID : GP-10 1-3 FT

Collected By : JB
Collection Date : 07/22/11 09:07

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dinitrophenol	BDL	0.42	mg/kg	8270C	07/30/11	1
2-Nitrophenol	BDL	0.42	mg/kg	8270C	07/30/11	1
4-Nitrophenol	BDL	0.42	mg/kg	8270C	07/30/11	1
Pentachlorophenol	BDL	0.42	mg/kg	8270C	07/30/11	1
Phenol	BDL	0.42	mg/kg	8270C	07/30/11	1
2,4,6-Trichlorophenol	BDL	0.42	mg/kg	8270C	07/30/11	1
Surrogate Recovery						
Nitrobenzene-d5	66.7		% Rec.	8270C	07/30/11	1
2-Fluorobiphenyl	74.9		% Rec.	8270C	07/30/11	1
p-Terphenyl-d14	69.3		% Rec.	8270C	07/30/11	1
Phenol-d5	80.2		% Rec.	8270C	07/30/11	1
2-Fluorophenol	69.0		% Rec.	8270C	07/30/11	1
2,4,6-Tribromophenol	65.9		% Rec.	8270C	07/30/11	1

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BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 08/02/11 13:44 Revised: 12/21/11 16:07

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Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-11

Site ID : ELON NC

Project # : B11164100

Date Received : July 23, 2011
Description : Site Investigation

Sample ID : GP-11 8-10 FT

Collected By : JB
Collection Date : 07/22/11 10:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	71.		%	2540G	07/29/11	1
Mercury	0.041	0.028	mg/kg	7471	07/26/11	1
Arsenic	BDL	7.0	mg/kg	6010B	07/27/11	5
Barium	33.	1.8	mg/kg	6010B	07/27/11	5
Cadmium	BDL	1.8	mg/kg	6010B	07/27/11	5
Chromium	88.	3.5	mg/kg	6010B	07/27/11	5
Lead	21.	1.8	mg/kg	6010B	07/27/11	5
Selenium	15.	7.0	mg/kg	6010B	07/27/11	5
Silver	BDL	3.5	mg/kg	6010B	07/27/11	5
TPH (GC/FID) Low Fraction	BDL	0.14	mg/kg	8015D/GRO	07/25/11	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	103.		% Rec.	8015D/GRO	07/25/11	1
Volatile Organics						
Acetone	BDL	0.070	mg/kg	8260B	07/24/11	1
Acrylonitrile	BDL	0.014	mg/kg	8260B	07/24/11	1
Benzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Bromobenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Bromodichloromethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
Bromoform	BDL	0.0014	mg/kg	8260B	07/24/11	1
Bromomethane	BDL	0.0070	mg/kg	8260B	07/24/11	1
n-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
sec-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
tert-Butylbenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Carbon tetrachloride	BDL	0.0014	mg/kg	8260B	07/24/11	1
Chlorobenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Chlorodibromomethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
Chloroethane	BDL	0.0070	mg/kg	8260B	07/24/11	1
2-Chloroethyl vinyl ether	BDL	0.070	mg/kg	8260B	07/24/11	1
Chloroform	BDL	0.0070	mg/kg	8260B	07/24/11	1
Chloromethane	BDL	0.0035	mg/kg	8260B	07/24/11	1
2-Chlorotoluene	BDL	0.0014	mg/kg	8260B	07/24/11	1
4-Chlorotoluene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0070	mg/kg	8260B	07/24/11	1
1,2-Dibromoethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
Dibromomethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,2-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,3-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,4-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Dichlorodifluoromethane	BDL	0.0070	mg/kg	8260B	07/24/11	1
1,1-Dichloroethane	BDL	0.0014	mg/kg	8260B	07/24/11	1

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BDL - Below Detection Limit
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-11

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-11 8-10 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 10:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloroethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,1-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/24/11	1
cis-1,2-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/24/11	1
trans-1,2-Dichloroethene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,2-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,1-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,3-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/24/11	1
cis-1,3-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/24/11	1
trans-1,3-Dichloropropene	BDL	0.0014	mg/kg	8260B	07/24/11	1
2,2-Dichloropropane	BDL	0.0014	mg/kg	8260B	07/24/11	1
Di-isopropyl ether	BDL	0.0014	mg/kg	8260B	07/24/11	1
Ethylbenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Hexachloro-1,3-butadiene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Isopropylbenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
p-Isopropyltoluene	BDL	0.0014	mg/kg	8260B	07/24/11	1
2-Butanone (MEK)	BDL	0.014	mg/kg	8260B	07/24/11	1
Methylene Chloride	BDL	0.0070	mg/kg	8260B	07/24/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.014	mg/kg	8260B	07/24/11	1
Methyl tert-butyl ether	BDL	0.0014	mg/kg	8260B	07/24/11	1
Naphthalene	BDL	0.0070	mg/kg	8260B	07/24/11	1
n-Propylbenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Styrene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
Tetrachloroethene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Toluene	BDL	0.0070	mg/kg	8260B	07/24/11	1
1,2,3-Trichlorobenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,2,4-Trichlorobenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,1,1-Trichloroethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,1,2-Trichloroethane	BDL	0.0014	mg/kg	8260B	07/24/11	1
Trichloroethene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Trichlorofluoromethane	BDL	0.0070	mg/kg	8260B	07/24/11	1
1,2,3-Trichloropropane	BDL	0.0035	mg/kg	8260B	07/24/11	1
1,2,4-Trimethylbenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
1,3,5-Trimethylbenzene	BDL	0.0014	mg/kg	8260B	07/24/11	1
Vinyl chloride	BDL	0.0014	mg/kg	8260B	07/24/11	1
Xylenes, Total	BDL	0.0042	mg/kg	8260B	07/24/11	1
Surrogate Recovery						
Toluene-d8	104.		% Rec.	8260B	07/24/11	1
Dibromofluoromethane	102.		% Rec.	8260B	07/24/11	1
4-Bromofluorobenzene	98.2		% Rec.	8260B	07/24/11	1
TPH (GC/FID) High Fraction	BDL	5.6	mg/kg	3546/DRO	07/29/11	1
Surrogate recovery(%)						

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-11

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-11 8-10 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 10:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
o-Terphenyl	76.2		% Rec.	3546/DRO	07/29/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.046	mg/kg	8270C	07/30/11	1
Acenaphthylene	BDL	0.046	mg/kg	8270C	07/30/11	1
Anthracene	BDL	0.046	mg/kg	8270C	07/30/11	1
Benzidine	BDL	0.47	mg/kg	8270C	07/30/11	1
Benzo(a)anthracene	BDL	0.046	mg/kg	8270C	07/30/11	1
Benzo(b)fluoranthene	BDL	0.046	mg/kg	8270C	07/30/11	1
Benzo(k)fluoranthene	BDL	0.046	mg/kg	8270C	07/30/11	1
Benzo(g,h,i)perylene	BDL	0.046	mg/kg	8270C	07/30/11	1
Benzo(a)pyrene	BDL	0.046	mg/kg	8270C	07/30/11	1
Bis(2-chlorethoxy)methane	BDL	0.47	mg/kg	8270C	07/30/11	1
Bis(2-chloroethyl)ether	BDL	0.47	mg/kg	8270C	07/30/11	1
Bis(2-chloroisopropyl)ether	BDL	0.47	mg/kg	8270C	07/30/11	1
4-Bromophenyl-phenylether	BDL	0.47	mg/kg	8270C	07/30/11	1
2-Chloronaphthalene	BDL	0.046	mg/kg	8270C	07/30/11	1
4-Chlorophenyl-phenylether	BDL	0.47	mg/kg	8270C	07/30/11	1
Chrysene	BDL	0.046	mg/kg	8270C	07/30/11	1
Dibenz(a,h)anthracene	BDL	0.046	mg/kg	8270C	07/30/11	1
3,3-Dichlorobenzidine	BDL	0.47	mg/kg	8270C	07/30/11	1
2,4-Dinitrotoluene	BDL	0.47	mg/kg	8270C	07/30/11	1
2,6-Dinitrotoluene	BDL	0.47	mg/kg	8270C	07/30/11	1
Fluoranthene	BDL	0.046	mg/kg	8270C	07/30/11	1
Fluorene	BDL	0.046	mg/kg	8270C	07/30/11	1
Hexachlorobenzene	BDL	0.47	mg/kg	8270C	07/30/11	1
Hexachloro-1,3-butadiene	BDL	0.47	mg/kg	8270C	07/30/11	1
Hexachlorocyclopentadiene	BDL	0.47	mg/kg	8270C	07/30/11	1
Hexachloroethane	BDL	0.47	mg/kg	8270C	07/30/11	1
Indeno(1,2,3-cd)pyrene	BDL	0.046	mg/kg	8270C	07/30/11	1
Isophorone	BDL	0.47	mg/kg	8270C	07/30/11	1
2-Methylnaphthalene	BDL	0.046	mg/kg	8270C	07/30/11	1
Naphthalene	BDL	0.046	mg/kg	8270C	07/30/11	1
Nitrobenzene	BDL	0.47	mg/kg	8270C	07/30/11	1
n-Nitrosodimethylamine	BDL	0.47	mg/kg	8270C	07/30/11	1
n-Nitrosodiphenylamine	BDL	0.47	mg/kg	8270C	07/30/11	1
n-Nitrosodi-n-propylamine	BDL	0.47	mg/kg	8270C	07/30/11	1
Phenanthrene	BDL	0.046	mg/kg	8270C	07/30/11	1
Benzylbutyl phthalate	BDL	0.47	mg/kg	8270C	07/30/11	1
Bis(2-ethylhexyl)phthalate	BDL	0.47	mg/kg	8270C	07/30/11	1
Di-n-butyl phthalate	BDL	0.47	mg/kg	8270C	07/30/11	1
Diethyl phthalate	BDL	0.47	mg/kg	8270C	07/30/11	1
Dimethyl phthalate	BDL	0.47	mg/kg	8270C	07/30/11	1
Di-n-octyl phthalate	BDL	0.47	mg/kg	8270C	07/30/11	1

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Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-11

Site ID : ELON NC

Project # : B11164100

Date Received : July 23, 2011
Description : Site Investigation

Sample ID : GP-11 8-10 FT

Collected By : JB
Collection Date : 07/22/11 10:15

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Pyrene	BDL	0.046	mg/kg	8270C	07/30/11	1
1,2,4-Trichlorobenzene	BDL	0.47	mg/kg	8270C	07/30/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	0.47	mg/kg	8270C	07/30/11	1
2-Chlorophenol	BDL	0.47	mg/kg	8270C	07/30/11	1
2,4-Dichlorophenol	BDL	0.47	mg/kg	8270C	07/30/11	1
2,4-Dimethylphenol	BDL	0.47	mg/kg	8270C	07/30/11	1
4,6-Dinitro-2-methylphenol	BDL	0.47	mg/kg	8270C	07/30/11	1
2,4-Dinitrophenol	BDL	0.47	mg/kg	8270C	07/30/11	1
2-Nitrophenol	BDL	0.47	mg/kg	8270C	07/30/11	1
4-Nitrophenol	BDL	0.47	mg/kg	8270C	07/30/11	1
Pentachlorophenol	BDL	0.47	mg/kg	8270C	07/30/11	1
Phenol	BDL	0.47	mg/kg	8270C	07/30/11	1
2,4,6-Trichlorophenol	BDL	0.47	mg/kg	8270C	07/30/11	1
Surrogate Recovery						
Nitrobenzene-d5	62.5		% Rec.	8270C	07/30/11	1
2-Fluorobiphenyl	68.4		% Rec.	8270C	07/30/11	1
p-Terphenyl-d14	54.2		% Rec.	8270C	07/30/11	1
Phenol-d5	81.0		% Rec.	8270C	07/30/11	1
2-Fluorophenol	70.3		% Rec.	8270C	07/30/11	1
2,4,6-Tribromophenol	60.8		% Rec.	8270C	07/30/11	1

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-12

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-4

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury,Dissolved	BDL	0.20	ug/l	7470A	07/27/11	1
Arsenic,Dissolved	BDL	20.	ug/l	6010B	07/28/11	1
Barium,Dissolved	23.	5.0	ug/l	6010B	07/29/11	1
Cadmium,Dissolved	18.	5.0	ug/l	6010B	07/28/11	1
Chromium,Dissolved	BDL	10.	ug/l	6010B	07/28/11	1
Lead,Dissolved	5.1	5.0	ug/l	6010B	07/28/11	1
Selenium,Dissolved	BDL	20.	ug/l	6010B	07/28/11	1
Silver,Dissolved	BDL	10.	ug/l	6010B	07/28/11	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	07/24/11	1
Acrolein	BDL	50.	ug/l	8260B	07/24/11	1
Acrylonitrile	BDL	10.	ug/l	8260B	07/24/11	1
Benzene	BDL	1.0	ug/l	8260B	07/24/11	1
Bromobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	07/24/11	1
Bromoform	BDL	1.0	ug/l	8260B	07/24/11	1
Bromomethane	BDL	5.0	ug/l	8260B	07/24/11	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	07/24/11	1
Chlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	07/24/11	1
Chloroethane	BDL	5.0	ug/l	8260B	07/24/11	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	07/24/11	1
Chloroform	5.4	5.0	ug/l	8260B	07/24/11	1
Chloromethane	BDL	2.5	ug/l	8260B	07/24/11	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	07/24/11	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	07/24/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	07/24/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	07/24/11	1
Dibromomethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	07/24/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	07/24/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	07/24/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	07/24/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	07/24/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-12

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-4

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	07/24/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	07/24/11	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	07/24/11	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	07/24/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	07/24/11	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	07/24/11	1
Ethylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	07/24/11	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	07/24/11	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	07/24/11	1
Methylene Chloride	BDL	5.0	ug/l	8260B	07/24/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	07/24/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	07/24/11	1
Naphthalene	BDL	5.0	ug/l	8260B	07/24/11	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Styrene	BDL	1.0	ug/l	8260B	07/24/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
Tetrachloroethene	11.	1.0	ug/l	8260B	07/24/11	1
Toluene	BDL	5.0	ug/l	8260B	07/24/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
Trichloroethene	320	10.	ug/l	8260B	07/26/11	10
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	07/24/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	07/24/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Vinyl chloride	BDL	1.0	ug/l	8260B	07/24/11	1
Xylenes, Total	BDL	3.0	ug/l	8260B	07/24/11	1
Surrogate Recovery						
Toluene-d8	107.		% Rec.	8260B	07/24/11	1
Dibromofluoromethane	104.		% Rec.	8260B	07/24/11	1
a,a,a-Trifluorotoluene	99.8		% Rec.	8260B	07/24/11	1
4-Bromofluorobenzene	94.9		% Rec.	8260B	07/24/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	1.0	ug/l	8270C	07/28/11	1
Acenaphthylene	BDL	1.0	ug/l	8270C	07/28/11	1
Anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzidine	BDL	10.	ug/l	8270C	07/28/11	1
Benzo(a)anthracene	BDL	1.0	ug/l	8270C	07/28/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-12

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-4

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(k)fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(g,h,i)perylene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(a)pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
Bis(2-chlorethoxy)methane	BDL	10.	ug/l	8270C	07/28/11	1
Bis(2-chloroethyl)ether	BDL	10.	ug/l	8270C	07/28/11	1
Bis(2-chloroisopropyl)ether	BDL	10.	ug/l	8270C	07/28/11	1
4-Bromophenyl-phenylether	BDL	10.	ug/l	8270C	07/28/11	1
2-Chloronaphthalene	BDL	1.0	ug/l	8270C	07/28/11	1
4-Chlorophenyl-phenylether	BDL	10.	ug/l	8270C	07/28/11	1
Chrysene	BDL	1.0	ug/l	8270C	07/28/11	1
Dibenz(a,h)anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
3,3-Dichlorobenzidine	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dinitrotoluene	BDL	10.	ug/l	8270C	07/28/11	1
2,6-Dinitrotoluene	BDL	10.	ug/l	8270C	07/28/11	1
Fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Fluorene	BDL	1.0	ug/l	8270C	07/28/11	1
Hexachlorobenzene	BDL	1.0	ug/l	8270C	07/28/11	1
Hexachloro-1,3-butadiene	BDL	10.	ug/l	8270C	07/28/11	1
Hexachlorocyclopentadiene	BDL	10.	ug/l	8270C	07/28/11	1
Hexachloroethane	BDL	10.	ug/l	8270C	07/28/11	1
Indeno(1,2,3-cd)pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
Isophorone	BDL	10.	ug/l	8270C	07/28/11	1
Naphthalene	BDL	1.0	ug/l	8270C	07/28/11	1
Nitrobenzene	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodimethylamine	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodiphenylamine	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodi-n-propylamine	BDL	10.	ug/l	8270C	07/28/11	1
Phenanthrene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzylbutyl phthalate	1.6	1.0	ug/l	8270C	07/28/11	1
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Di-n-butyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Diethyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Dimethyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Di-n-octyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
1,2,4-Trichlorobenzene	BDL	10.	ug/l	8270C	07/28/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	10.	ug/l	8270C	07/28/11	1
2-Chlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dichlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dimethylphenol	BDL	10.	ug/l	8270C	07/28/11	1
4,6-Dinitro-2-methylphenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dinitrophenol	BDL	10.	ug/l	8270C	07/28/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-12

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-4

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Nitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
4-Nitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
Pentachlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
Phenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4,6-Trichlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
Surrogate Recovery						
Nitrobenzene-d5	64.3		% Rec.	8270C	07/28/11	1
2-Fluorobiphenyl	78.4		% Rec.	8270C	07/28/11	1
p-Terphenyl-d14	91.7		% Rec.	8270C	07/28/11	1
Phenol-d5	30.9		% Rec.	8270C	07/28/11	1
2-Fluorophenol	35.3		% Rec.	8270C	07/28/11	1
2,4,6-Tribromophenol	89.7		% Rec.	8270C	07/28/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 08/02/11 13:44 Revised: 12/21/11 16:07

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-13

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-5

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury,Dissolved	BDL	0.20	ug/l	7470A	07/27/11	1
Arsenic,Dissolved	BDL	20.	ug/l	6010B	07/28/11	1
Barium,Dissolved	38.	5.0	ug/l	6010B	07/29/11	1
Cadmium,Dissolved	BDL	5.0	ug/l	6010B	07/28/11	1
Chromium,Dissolved	BDL	10.	ug/l	6010B	07/28/11	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	07/28/11	1
Selenium,Dissolved	BDL	20.	ug/l	6010B	07/28/11	1
Silver,Dissolved	BDL	10.	ug/l	6010B	07/28/11	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	07/24/11	1
Acrolein	BDL	50.	ug/l	8260B	07/24/11	1
Acrylonitrile	BDL	10.	ug/l	8260B	07/24/11	1
Benzene	BDL	1.0	ug/l	8260B	07/24/11	1
Bromobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Bromodichloromethane	2.1	1.0	ug/l	8260B	07/24/11	1
Bromoform	BDL	1.0	ug/l	8260B	07/24/11	1
Bromomethane	BDL	5.0	ug/l	8260B	07/24/11	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	07/24/11	1
Chlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	07/24/11	1
Chloroethane	BDL	5.0	ug/l	8260B	07/24/11	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	07/24/11	1
Chloroform	BDL	50.	ug/l	8260B	07/26/11	10
Chloromethane	BDL	2.5	ug/l	8260B	07/24/11	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	07/24/11	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	07/24/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	07/24/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	07/24/11	1
Dibromomethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	07/24/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	07/24/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	07/24/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	07/24/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	07/24/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-13

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-5

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	07/24/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	07/24/11	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	07/24/11	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	07/24/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	07/24/11	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	07/24/11	1
Ethylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	07/24/11	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	07/24/11	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	07/24/11	1
Methylene Chloride	BDL	5.0	ug/l	8260B	07/24/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	07/24/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	07/24/11	1
Naphthalene	BDL	5.0	ug/l	8260B	07/24/11	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Styrene	BDL	1.0	ug/l	8260B	07/24/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
Tetrachloroethene	26.	1.0	ug/l	8260B	07/24/11	1
Toluene	BDL	5.0	ug/l	8260B	07/24/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
Trichloroethene	860	10.	ug/l	8260B	07/26/11	10
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	07/24/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	07/24/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Vinyl chloride	BDL	1.0	ug/l	8260B	07/24/11	1
Xylenes, Total	BDL	3.0	ug/l	8260B	07/24/11	1
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	07/24/11	1
Dibromofluoromethane	108.		% Rec.	8260B	07/24/11	1
a,a,a-Trifluorotoluene	100.		% Rec.	8260B	07/24/11	1
4-Bromofluorobenzene	92.4		% Rec.	8260B	07/24/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	1.0	ug/l	8270C	07/28/11	1
Acenaphthylene	BDL	1.0	ug/l	8270C	07/28/11	1
Anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzidine	BDL	10.	ug/l	8270C	07/28/11	1
Benzo(a)anthracene	BDL	1.0	ug/l	8270C	07/28/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-13

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-5

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(k)fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(g,h,i)perylene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(a)pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
Bis(2-chlorethoxy)methane	BDL	10.	ug/l	8270C	07/28/11	1
Bis(2-chloroethyl)ether	BDL	10.	ug/l	8270C	07/28/11	1
Bis(2-chloroisopropyl)ether	BDL	10.	ug/l	8270C	07/28/11	1
4-Bromophenyl-phenylether	BDL	10.	ug/l	8270C	07/28/11	1
2-Chloronaphthalene	BDL	1.0	ug/l	8270C	07/28/11	1
4-Chlorophenyl-phenylether	BDL	10.	ug/l	8270C	07/28/11	1
Chrysene	BDL	1.0	ug/l	8270C	07/28/11	1
Dibenz(a,h)anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
3,3-Dichlorobenzidine	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dinitrotoluene	BDL	10.	ug/l	8270C	07/28/11	1
2,6-Dinitrotoluene	BDL	10.	ug/l	8270C	07/28/11	1
Fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Fluorene	BDL	1.0	ug/l	8270C	07/28/11	1
Hexachlorobenzene	BDL	1.0	ug/l	8270C	07/28/11	1
Hexachloro-1,3-butadiene	BDL	10.	ug/l	8270C	07/28/11	1
Hexachlorocyclopentadiene	BDL	10.	ug/l	8270C	07/28/11	1
Hexachloroethane	BDL	10.	ug/l	8270C	07/28/11	1
Indeno(1,2,3-cd)pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
Isophorone	BDL	10.	ug/l	8270C	07/28/11	1
Naphthalene	BDL	1.0	ug/l	8270C	07/28/11	1
Nitrobenzene	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodimethylamine	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodiphenylamine	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodi-n-propylamine	BDL	10.	ug/l	8270C	07/28/11	1
Phenanthrene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzylbutyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Di-n-butyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Diethyl phthalate	1.7	1.0	ug/l	8270C	07/28/11	1
Dimethyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Di-n-octyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
1,2,4-Trichlorobenzene	BDL	10.	ug/l	8270C	07/28/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	10.	ug/l	8270C	07/28/11	1
2-Chlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dichlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dimethylphenol	BDL	10.	ug/l	8270C	07/28/11	1
4,6-Dinitro-2-methylphenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dinitrophenol	BDL	10.	ug/l	8270C	07/28/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-13

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-5

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Nitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
4-Nitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
Pentachlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
Phenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4,6-Trichlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
Surrogate Recovery						
Nitrobenzene-d5	70.3		% Rec.	8270C	07/28/11	1
2-Fluorobiphenyl	82.9		% Rec.	8270C	07/28/11	1
p-Terphenyl-d14	94.0		% Rec.	8270C	07/28/11	1
Phenol-d5	36.0		% Rec.	8270C	07/28/11	1
2-Fluorophenol	41.9		% Rec.	8270C	07/28/11	1
2,4,6-Tribromophenol	96.0		% Rec.	8270C	07/28/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 08/02/11 13:44 Revised: 12/21/11 16:07

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REPORT OF ANALYSIS

December 21,2011

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

ESC Sample # : L527613-14

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-7

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury,Dissolved	BDL	0.20	ug/l	7470A	07/27/11	1
Arsenic,Dissolved	BDL	20.	ug/l	6010B	07/28/11	1
Barium,Dissolved	59.	5.0	ug/l	6010B	07/29/11	1
Cadmium,Dissolved	BDL	5.0	ug/l	6010B	07/28/11	1
Chromium,Dissolved	BDL	10.	ug/l	6010B	07/28/11	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	07/28/11	1
Selenium,Dissolved	BDL	20.	ug/l	6010B	07/28/11	1
Silver,Dissolved	BDL	10.	ug/l	6010B	07/28/11	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	07/24/11	1
Acrolein	BDL	50.	ug/l	8260B	07/24/11	1
Acrylonitrile	BDL	10.	ug/l	8260B	07/24/11	1
Benzene	BDL	1.0	ug/l	8260B	07/24/11	1
Bromobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	07/24/11	1
Bromoform	BDL	1.0	ug/l	8260B	07/24/11	1
Bromomethane	BDL	5.0	ug/l	8260B	07/24/11	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	07/24/11	1
Chlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	07/24/11	1
Chloroethane	BDL	5.0	ug/l	8260B	07/24/11	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	07/24/11	1
Chloroform	BDL	5.0	ug/l	8260B	07/24/11	1
Chloromethane	BDL	2.5	ug/l	8260B	07/24/11	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	07/24/11	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	07/24/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	07/24/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	07/24/11	1
Dibromomethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	07/24/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	07/24/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	07/24/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	07/24/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	07/24/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

December 21,2011

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

ESC Sample # : L527613-14

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-7

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	07/24/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	07/24/11	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	07/24/11	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	07/24/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	07/24/11	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	07/24/11	1
Ethylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	07/24/11	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	07/24/11	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	07/24/11	1
Methylene Chloride	BDL	5.0	ug/l	8260B	07/24/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	07/24/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	07/24/11	1
Naphthalene	BDL	5.0	ug/l	8260B	07/24/11	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Styrene	BDL	1.0	ug/l	8260B	07/24/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
Tetrachloroethene	30.	1.0	ug/l	8260B	07/24/11	1
Toluene	BDL	5.0	ug/l	8260B	07/24/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
Trichloroethene	250	5.0	ug/l	8260B	07/26/11	5
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	07/24/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	07/24/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Vinyl chloride	BDL	1.0	ug/l	8260B	07/24/11	1
Xylenes, Total	BDL	3.0	ug/l	8260B	07/24/11	1
Surrogate Recovery						
Toluene-d8	107.		% Rec.	8260B	07/24/11	1
Dibromofluoromethane	105.		% Rec.	8260B	07/24/11	1
a,a,a-Trifluorotoluene	101.		% Rec.	8260B	07/24/11	1
4-Bromofluorobenzene	94.5		% Rec.	8260B	07/24/11	1
TPH (GC/FID) High Fraction	9.6	100	ug/l	3510C / DR	07/28/11	1
Surrogate recovery(%)						
o-Terphenyl	79.4		% Rec.	3510C / DR	07/28/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	1.0	ug/l	8270C	07/28/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-14

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-7

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Acenaphthylene	BDL	1.0	ug/l	8270C	07/28/11	1
Anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzidine	BDL	10.	ug/l	8270C	07/28/11	1
Benzo(a)anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(b)fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(k)fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(g,h,i)perylene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(a)pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
Bis(2-chlorethoxy)methane	BDL	10.	ug/l	8270C	07/28/11	1
Bis(2-chloroethyl)ether	BDL	10.	ug/l	8270C	07/28/11	1
Bis(2-chloroisopropyl)ether	BDL	10.	ug/l	8270C	07/28/11	1
4-Bromophenyl-phenylether	BDL	10.	ug/l	8270C	07/28/11	1
2-Chloronaphthalene	BDL	1.0	ug/l	8270C	07/28/11	1
4-Chlorophenyl-phenylether	BDL	10.	ug/l	8270C	07/28/11	1
Chrysene	BDL	1.0	ug/l	8270C	07/28/11	1
Dibenz(a,h)anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
3,3-Dichlorobenzidine	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dinitrotoluene	BDL	10.	ug/l	8270C	07/28/11	1
2,6-Dinitrotoluene	BDL	10.	ug/l	8270C	07/28/11	1
Fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Fluorene	BDL	1.0	ug/l	8270C	07/28/11	1
Hexachlorobenzene	BDL	1.0	ug/l	8270C	07/28/11	1
Hexachloro-1,3-butadiene	BDL	10.	ug/l	8270C	07/28/11	1
Hexachlorocyclopentadiene	BDL	10.	ug/l	8270C	07/28/11	1
Hexachloroethane	BDL	10.	ug/l	8270C	07/28/11	1
Indeno(1,2,3-cd)pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
Isophorone	BDL	10.	ug/l	8270C	07/28/11	1
Naphthalene	BDL	1.0	ug/l	8270C	07/28/11	1
Nitrobenzene	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodimethylamine	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodiphenylamine	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodi-n-propylamine	BDL	10.	ug/l	8270C	07/28/11	1
Phenanthrene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzylbutyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Di-n-butyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Diethyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Dimethyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Di-n-octyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
1,2,4-Trichlorobenzene	BDL	10.	ug/l	8270C	07/28/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	10.	ug/l	8270C	07/28/11	1
2-Chlorophenol	BDL	10.	ug/l	8270C	07/28/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-14

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-7

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2,4-Dichlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dimethylphenol	BDL	10.	ug/l	8270C	07/28/11	1
4,6-Dinitro-2-methylphenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dinitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
2-Nitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
4-Nitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
Pentachlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
Phenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4,6-Trichlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
Surrogate Recovery						
Nitrobenzene-d5	64.8		% Rec.	8270C	07/28/11	1
2-Fluorobiphenyl	76.4		% Rec.	8270C	07/28/11	1
p-Terphenyl-d14	93.3		% Rec.	8270C	07/28/11	1
Phenol-d5	36.4		% Rec.	8270C	07/28/11	1
2-Fluorophenol	42.7		% Rec.	8270C	07/28/11	1
2,4,6-Tribromophenol	89.2		% Rec.	8270C	07/28/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 08/02/11 13:44 Revised: 12/21/11 16:07

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-15

Site ID : ELON NC

Project # : B11164100

Date Received : July 23, 2011
Description : Site Investigation

Sample ID : GP-8

Collected By : JB
Collection Date : 07/22/11 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury,Dissolved	BDL	0.20	ug/l	7470A	07/27/11	1
Arsenic,Dissolved	BDL	20.	ug/l	6010B	07/28/11	1
Barium,Dissolved	48.	5.0	ug/l	6010B	07/29/11	1
Cadmium,Dissolved	15.	5.0	ug/l	6010B	07/28/11	1
Chromium,Dissolved	BDL	10.	ug/l	6010B	07/28/11	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	07/28/11	1
Selenium,Dissolved	BDL	20.	ug/l	6010B	07/28/11	1
Silver,Dissolved	BDL	10.	ug/l	6010B	07/28/11	1
TPH (GC/FID) Low Fraction	95.	100	ug/l	8015D/GRO	07/24/11	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	101.		% Rec.	8015D/GRO	07/24/11	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	07/24/11	1
Acrolein	BDL	50.	ug/l	8260B	07/24/11	1
Acrylonitrile	BDL	10.	ug/l	8260B	07/24/11	1
Benzene	BDL	1.0	ug/l	8260B	07/24/11	1
Bromobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	07/24/11	1
Bromoform	BDL	1.0	ug/l	8260B	07/24/11	1
Bromomethane	BDL	5.0	ug/l	8260B	07/24/11	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	07/24/11	1
Chlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	07/24/11	1
Chloroethane	BDL	5.0	ug/l	8260B	07/24/11	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	07/24/11	1
Chloroform	BDL	5.0	ug/l	8260B	07/24/11	1
Chloromethane	BDL	2.5	ug/l	8260B	07/24/11	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	07/24/11	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	07/24/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	07/24/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	07/24/11	1
Dibromomethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	07/24/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	07/24/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-15

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-8

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	07/24/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	07/24/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	07/24/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	07/24/11	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	07/24/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	07/24/11	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	07/24/11	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	07/24/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	07/24/11	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	07/24/11	1
Ethylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	07/24/11	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	07/24/11	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	07/24/11	1
Methylene Chloride	BDL	5.0	ug/l	8260B	07/24/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	07/24/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	07/24/11	1
Naphthalene	BDL	5.0	ug/l	8260B	07/24/11	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Styrene	BDL	1.0	ug/l	8260B	07/24/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
Tetrachloroethene	45.	1.0	ug/l	8260B	07/24/11	1
Toluene	BDL	5.0	ug/l	8260B	07/24/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	07/24/11	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	07/24/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	07/24/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	07/24/11	1
Vinyl chloride	BDL	1.0	ug/l	8260B	07/24/11	1
Xylenes, Total	BDL	3.0	ug/l	8260B	07/24/11	1
Surrogate Recovery						
Toluene-d8	107.		% Rec.	8260B	07/24/11	1
Dibromofluoromethane	105.		% Rec.	8260B	07/24/11	1
a,a,a-Trifluorotoluene	101.		% Rec.	8260B	07/24/11	1
4-Bromofluorobenzene	98.8		% Rec.	8260B	07/24/11	1
Volatile Organics						
Trichloroethene	270	5.0	ug/l	8260B	07/26/11	5
Surrogate Recovery						

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-15

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-8

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
TPH (GC/FID) High Fraction	16.	100	ug/l	3510C / DR	07/28/11	1
Surrogate recovery(%)						
o-Terphenyl	73.8		% Rec.	3510C / DR	07/28/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	1.0	ug/l	8270C	07/28/11	1
Acenaphthylene	BDL	1.0	ug/l	8270C	07/28/11	1
Anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzidine	BDL	10.	ug/l	8270C	07/28/11	1
Benzo(a)anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(b)fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(k)fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(g,h,i)perylene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(a)pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
Bis(2-chlorethoxy)methane	BDL	10.	ug/l	8270C	07/28/11	1
Bis(2-chloroethyl)ether	BDL	10.	ug/l	8270C	07/28/11	1
Bis(2-chloroisopropyl)ether	BDL	10.	ug/l	8270C	07/28/11	1
4-Bromophenyl-phenylether	BDL	10.	ug/l	8270C	07/28/11	1
2-Chloronaphthalene	BDL	1.0	ug/l	8270C	07/28/11	1
4-Chlorophenyl-phenylether	BDL	10.	ug/l	8270C	07/28/11	1
Chrysene	BDL	1.0	ug/l	8270C	07/28/11	1
Dibenz(a,h)anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
3,3-Dichlorobenzidine	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dinitrotoluene	BDL	10.	ug/l	8270C	07/28/11	1
2,6-Dinitrotoluene	BDL	10.	ug/l	8270C	07/28/11	1
Fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Fluorene	BDL	1.0	ug/l	8270C	07/28/11	1
Hexachlorobenzene	BDL	1.0	ug/l	8270C	07/28/11	1
Hexachloro-1,3-butadiene	BDL	10.	ug/l	8270C	07/28/11	1
Hexachlorocyclopentadiene	BDL	10.	ug/l	8270C	07/28/11	1
Hexachloroethane	BDL	10.	ug/l	8270C	07/28/11	1
Indeno(1,2,3-cd)pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
Isophorone	BDL	10.	ug/l	8270C	07/28/11	1
Naphthalene	BDL	1.0	ug/l	8270C	07/28/11	1
Nitrobenzene	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodimethylamine	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodiphenylamine	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodi-n-propylamine	BDL	10.	ug/l	8270C	07/28/11	1
Phenanthrene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzylbutyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Di-n-butyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Diethyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-15

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-8

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dimethyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Di-n-octyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
1,2,4-Trichlorobenzene	BDL	10.	ug/l	8270C	07/28/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	10.	ug/l	8270C	07/28/11	1
2-Chlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dichlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dimethylphenol	BDL	10.	ug/l	8270C	07/28/11	1
4,6-Dinitro-2-methylphenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dinitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
2-Nitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
4-Nitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
Pentachlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
Phenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4,6-Trichlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
Surrogate Recovery						
Nitrobenzene-d5	72.9		% Rec.	8270C	07/28/11	1
2-Fluorobiphenyl	82.3		% Rec.	8270C	07/28/11	1
p-Terphenyl-d14	91.7		% Rec.	8270C	07/28/11	1
Phenol-d5	33.1		% Rec.	8270C	07/28/11	1
2-Fluorophenol	37.5		% Rec.	8270C	07/28/11	1
2,4,6-Tribromophenol	77.7		% Rec.	8270C	07/28/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 08/02/11 13:44 Revised: 12/21/11 16:07

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-16

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-9

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury,Dissolved	BDL	0.20	ug/l	7470A	07/27/11	1
Arsenic,Dissolved	BDL	20.	ug/l	6010B	07/28/11	1
Barium,Dissolved	36.	5.0	ug/l	6010B	07/29/11	1
Cadmium,Dissolved	BDL	5.0	ug/l	6010B	07/28/11	1
Chromium,Dissolved	BDL	10.	ug/l	6010B	07/28/11	1
Lead,Dissolved	BDL	5.0	ug/l	6010B	07/28/11	1
Selenium,Dissolved	BDL	20.	ug/l	6010B	07/28/11	1
Silver,Dissolved	BDL	10.	ug/l	6010B	07/28/11	1
TPH (GC/FID) Low Fraction	BDL	100	ug/l	8015D/GRO	07/26/11	1
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	103.		% Rec.	8015D/GRO	07/26/11	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	07/26/11	1
Acrolein	BDL	50.	ug/l	8260B	07/26/11	1
Acrylonitrile	BDL	10.	ug/l	8260B	07/26/11	1
Benzene	BDL	1.0	ug/l	8260B	07/26/11	1
Bromobenzene	BDL	1.0	ug/l	8260B	07/26/11	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	07/26/11	1
Bromoform	BDL	1.0	ug/l	8260B	07/26/11	1
Bromomethane	BDL	5.0	ug/l	8260B	07/26/11	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	07/26/11	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	07/26/11	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	07/26/11	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	07/26/11	1
Chlorobenzene	BDL	1.0	ug/l	8260B	07/26/11	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	07/26/11	1
Chloroethane	BDL	5.0	ug/l	8260B	07/26/11	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	07/26/11	1
Chloroform	BDL	5.0	ug/l	8260B	07/26/11	1
Chloromethane	BDL	2.5	ug/l	8260B	07/26/11	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	07/26/11	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	07/26/11	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	07/26/11	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	07/26/11	1
Dibromomethane	BDL	1.0	ug/l	8260B	07/26/11	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/26/11	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/26/11	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	07/26/11	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	07/26/11	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	07/26/11	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	07/26/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-16

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-9

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	07/26/11	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	07/26/11	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	07/26/11	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	07/26/11	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	07/26/11	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	07/26/11	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	07/26/11	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	07/26/11	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	07/26/11	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	07/26/11	1
Ethylbenzene	BDL	1.0	ug/l	8260B	07/26/11	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	07/26/11	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	07/26/11	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	07/26/11	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	07/26/11	1
Methylene Chloride	BDL	5.0	ug/l	8260B	07/26/11	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	07/26/11	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	07/26/11	1
Naphthalene	BDL	5.0	ug/l	8260B	07/26/11	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	07/26/11	1
Styrene	BDL	1.0	ug/l	8260B	07/26/11	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	07/26/11	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	07/26/11	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	07/26/11	1
Toluene	BDL	5.0	ug/l	8260B	07/26/11	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	07/26/11	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	07/26/11	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	07/26/11	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	07/26/11	1
Trichloroethene	BDL	1.0	ug/l	8260B	07/26/11	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	07/26/11	1
1,2,3-Trichloropropane	BDL	2.5	ug/l	8260B	07/26/11	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	07/26/11	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	07/26/11	1
Vinyl chloride	BDL	1.0	ug/l	8260B	07/26/11	1
Xylenes, Total	BDL	3.0	ug/l	8260B	07/26/11	1
Surrogate Recovery						
Toluene-d8	97.3		% Rec.	8260B	07/26/11	1
Dibromofluoromethane	119.		% Rec.	8260B	07/26/11	1
a,a,a-Trifluorotoluene	102.		% Rec.	8260B	07/26/11	1
4-Bromofluorobenzene	83.9		% Rec.	8260B	07/26/11	1
TPH (GC/FID) High Fraction	12.	100	ug/l	3510C / DR	07/28/11	1
Surrogate recovery(%)						

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-16

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-9

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
o-Terphenyl	83.1		% Rec.	3510C / DR	07/28/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	1.0	ug/l	8270C	07/28/11	1
Acenaphthylene	BDL	1.0	ug/l	8270C	07/28/11	1
Anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzidine	BDL	10.	ug/l	8270C	07/28/11	1
Benzo(a)anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(b)fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(k)fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(g,h,i)perylene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzo(a)pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
Bis(2-chlorethoxy)methane	BDL	10.	ug/l	8270C	07/28/11	1
Bis(2-chloroethyl)ether	BDL	10.	ug/l	8270C	07/28/11	1
Bis(2-chloroisopropyl)ether	BDL	10.	ug/l	8270C	07/28/11	1
4-Bromophenyl-phenylether	BDL	10.	ug/l	8270C	07/28/11	1
2-Chloronaphthalene	BDL	1.0	ug/l	8270C	07/28/11	1
4-Chlorophenyl-phenylether	BDL	10.	ug/l	8270C	07/28/11	1
Chrysene	BDL	1.0	ug/l	8270C	07/28/11	1
Dibenz(a,h)anthracene	BDL	1.0	ug/l	8270C	07/28/11	1
3,3-Dichlorobenzidine	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dinitrotoluene	BDL	10.	ug/l	8270C	07/28/11	1
2,6-Dinitrotoluene	BDL	10.	ug/l	8270C	07/28/11	1
Fluoranthene	BDL	1.0	ug/l	8270C	07/28/11	1
Fluorene	BDL	1.0	ug/l	8270C	07/28/11	1
Hexachlorobenzene	BDL	1.0	ug/l	8270C	07/28/11	1
Hexachloro-1,3-butadiene	BDL	10.	ug/l	8270C	07/28/11	1
Hexachlorocyclopentadiene	BDL	10.	ug/l	8270C	07/28/11	1
Hexachloroethane	BDL	10.	ug/l	8270C	07/28/11	1
Indeno(1,2,3-cd)pyrene	BDL	1.0	ug/l	8270C	07/28/11	1
Isophorone	BDL	10.	ug/l	8270C	07/28/11	1
Naphthalene	BDL	1.0	ug/l	8270C	07/28/11	1
Nitrobenzene	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodimethylamine	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodiphenylamine	BDL	10.	ug/l	8270C	07/28/11	1
n-Nitrosodi-n-propylamine	BDL	10.	ug/l	8270C	07/28/11	1
Phenanthrene	BDL	1.0	ug/l	8270C	07/28/11	1
Benzylbutyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Bis(2-ethylhexyl)phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Di-n-butyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Diethyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Dimethyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Di-n-octyl phthalate	BDL	1.0	ug/l	8270C	07/28/11	1
Pyrene	BDL	1.0	ug/l	8270C	07/28/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

December 21,2011

ESC Sample # : L527613-16

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : GP-9

Project # : B11164100

Collected By : JB
Collection Date : 07/22/11 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,2,4-Trichlorobenzene	BDL	10.	ug/l	8270C	07/28/11	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	10.	ug/l	8270C	07/28/11	1
2-Chlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dichlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dimethylphenol	BDL	10.	ug/l	8270C	07/28/11	1
4,6-Dinitro-2-methylphenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4-Dinitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
2-Nitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
4-Nitrophenol	BDL	10.	ug/l	8270C	07/28/11	1
Pentachlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
Phenol	BDL	10.	ug/l	8270C	07/28/11	1
2,4,6-Trichlorophenol	BDL	10.	ug/l	8270C	07/28/11	1
Surrogate Recovery						
Nitrobenzene-d5	64.1		% Rec.	8270C	07/28/11	1
2-Fluorobiphenyl	72.3		% Rec.	8270C	07/28/11	1
p-Terphenyl-d14	93.0		% Rec.	8270C	07/28/11	1
Phenol-d5	35.2		% Rec.	8270C	07/28/11	1
2-Fluorophenol	44.3		% Rec.	8270C	07/28/11	1
2,4,6-Tribromophenol	86.8		% Rec.	8270C	07/28/11	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 08/02/11 13:44 Revised: 12/21/11 16:07

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L527613-01	WG547111	SAMP	2-Chloroethyl vinyl ether	R1783050	J3
	WG547111	SAMP	Styrene	R1783050	J4
	WG547221	SAMP	Arsenic	R1789010	O
	WG547221	SAMP	Cadmium	R1789010	O
	WG547221	SAMP	Lead	R1789010	O
	WG547221	SAMP	Silver	R1789010	O
	WG547528	SAMP	Benzidine	R1796810	J4
L527613-02	WG547310	SAMP	Styrene	R1783310	J4
	WG547221	SAMP	Arsenic	R1789010	O
	WG547221	SAMP	Cadmium	R1789010	O
	WG547221	SAMP	Lead	R1789010	O
	WG547221	SAMP	Silver	R1789010	O
	WG547528	SAMP	Benzidine	R1796810	J4
L527613-03	WG547310	SAMP	Styrene	R1783310	J4
L527613-04	WG547111	SAMP	2-Chloroethyl vinyl ether	R1783050	J3
	WG547111	SAMP	Styrene	R1783050	J4
	WG547221	SAMP	Arsenic	R1789010	O
	WG547221	SAMP	Cadmium	R1789010	O
	WG547221	SAMP	Silver	R1789010	O
	WG547528	SAMP	Benzidine	R1796810	J4
L527613-05	WG547111	SAMP	2-Chloroethyl vinyl ether	R1783050	J3
	WG547111	SAMP	Styrene	R1783050	J4
	WG547221	SAMP	Arsenic	R1789010	O
	WG547221	SAMP	Cadmium	R1789010	O
	WG547221	SAMP	Silver	R1789010	O
	WG547528	SAMP	Benzidine	R1796810	J4
L527613-06	WG547221	SAMP	Silver	R1789010	O
	WG547528	SAMP	Benzidine	R1796810	J4
	WG547528	SAMP	Phenol-d5	R1796810	J2
L527613-10	WG547479	SAMP	Styrene	R1785350	J4
	WG547221	SAMP	Silver	R1789010	O
	WG547528	SAMP	Benzidine	R1796810	J4
L527613-11	WG547111	SAMP	2-Chloroethyl vinyl ether	R1783050	J3
	WG547111	SAMP	Styrene	R1783050	J4
	WG547221	SAMP	Arsenic	R1789010	O
	WG547221	SAMP	Cadmium	R1789010	O
	WG547221	SAMP	Silver	R1789010	O
	WG547528	SAMP	Benzidine	R1796810	J4
L527613-12	WG547547	SAMP	Bis(2-chloroisopropyl)ether	R1791050	J3
	WG547547	SAMP	Hexachloro-1,3-butadiene	R1791050	J3
	WG547547	SAMP	Hexachloroethane	R1791050	J3
	WG547107	SAMP	2-Chloroethyl vinyl ether	R1782032	J3
L527613-13	WG547547	SAMP	Bis(2-chloroisopropyl)ether	R1791050	J3
	WG547547	SAMP	Hexachloro-1,3-butadiene	R1791050	J3
	WG547547	SAMP	Hexachloroethane	R1791050	J3
	WG547107	SAMP	n-Butylbenzene	R1782032	J3
	WG547107	SAMP	sec-Butylbenzene	R1782032	J3
	WG547107	SAMP	Hexachloro-1,3-butadiene	R1782032	J3
	WG547107	SAMP	p-Isopropyltoluene	R1782032	J3
L527613-14	WG547601	SAMP	TPH (GC/FID) High Fraction	R1789690	J
	WG547547	SAMP	Bis(2-chloroisopropyl)ether	R1791050	J3
	WG547547	SAMP	Hexachloro-1,3-butadiene	R1791050	J3
	WG547547	SAMP	Hexachloroethane	R1791050	J3
	WG547107	SAMP	n-Butylbenzene	R1782032	J3
	WG547107	SAMP	sec-Butylbenzene	R1782032	J3
	WG547107	SAMP	Hexachloro-1,3-butadiene	R1782032	J3
	WG547107	SAMP	p-Isopropyltoluene	R1782032	J3
L527613-15	WG547107	SAMP	n-Butylbenzene	R1782032	J3
	WG547107	SAMP	sec-Butylbenzene	R1782032	J3
	WG547107	SAMP	Hexachloro-1,3-butadiene	R1782032	J3
	WG547107	SAMP	p-Isopropyltoluene	R1782032	J3
	WG547146	SAMP	TPH (GC/FID) Low Fraction	R1785030	J
	WG547601	SAMP	TPH (GC/FID) High Fraction	R1789690	J
	WG547547	SAMP	Bis(2-chloroisopropyl)ether	R1791050	J3
	WG547547	SAMP	Hexachloro-1,3-butadiene	R1791050	J3
	WG547547	SAMP	Hexachloroethane	R1791050	J3
	WG547615	SAMP	Silver,Dissolved	R1792010	J6J3
L527613-16	WG547601	SAMP	TPH (GC/FID) High Fraction	R1789690	J
	WG547547	SAMP	Bis(2-chloroisopropyl)ether	R1791050	J3

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
	WG547547	SAMP	Hexachloro-1,3-butadiene	R1791050	J3
	WG547547	SAMP	Hexachloroethane	R1791050	J3
	WG547510	SAMP	Styrene	R1785570	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

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Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

Report Summary

Monday August 08, 2011

Report Number: L529395
Samples Received: 07/23/11
Client Project: B11164100

Description: Site Investigation

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: John Hawkins

John Hawkins , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002,NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

August 08,2011

ESC Sample # : L529395-01

Site ID : ELON NC

Project # : B11164100

Date Received : July 23, 2011
Description : Site Investigation

Sample ID : HA-1 0-1 FT

Collected By : JB
Collection Date : 07/21/11 17:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	83.3		%	2540G	07/29/11	1
Mercury	0.040	0.024	mg/kg	7471	08/05/11	1
Arsenic	1.4	1.2	mg/kg	6010B	08/05/11	1
Barium	63.	0.30	mg/kg	6010B	08/05/11	1
Cadmium	BDL	1.5	mg/kg	6010B	08/05/11	5
Chromium	50.	0.60	mg/kg	6010B	08/05/11	1
Lead	19.	0.30	mg/kg	6010B	08/05/11	1
Selenium	BDL	6.0	mg/kg	6010B	08/05/11	5
Silver	BDL	0.60	mg/kg	6010B	08/05/11	1
Volatile Organics						
Acetone	BDL	0.060	mg/kg	8260B	08/04/11	1
Acrylonitrile	BDL	0.012	mg/kg	8260B	08/04/11	1
Benzene	BDL	0.0012	mg/kg	8260B	08/04/11	1
Bromobenzene	BDL	0.0012	mg/kg	8260B	08/04/11	1
Bromodichloromethane	BDL	0.0012	mg/kg	8260B	08/04/11	1
Bromoform	BDL	0.0012	mg/kg	8260B	08/04/11	1
Bromomethane	BDL	0.0060	mg/kg	8260B	08/04/11	1
n-Butylbenzene	BDL	0.0012	mg/kg	8260B	08/04/11	1
sec-Butylbenzene	BDL	0.0012	mg/kg	8260B	08/04/11	1
tert-Butylbenzene	BDL	0.0012	mg/kg	8260B	08/04/11	1
Carbon tetrachloride	BDL	0.0012	mg/kg	8260B	08/04/11	1
Chlorobenzene	BDL	0.0012	mg/kg	8260B	08/04/11	1
Chlorodibromomethane	BDL	0.0012	mg/kg	8260B	08/04/11	1
Chloroethane	BDL	0.0060	mg/kg	8260B	08/04/11	1
2-Chloroethyl vinyl ether	BDL	0.060	mg/kg	8260B	08/04/11	1
Chloroform	BDL	0.0060	mg/kg	8260B	08/04/11	1
Chloromethane	BDL	0.0030	mg/kg	8260B	08/04/11	1
2-Chlorotoluene	BDL	0.0012	mg/kg	8260B	08/04/11	1
4-Chlorotoluene	BDL	0.0012	mg/kg	8260B	08/04/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0060	mg/kg	8260B	08/04/11	1
1,2-Dibromoethane	BDL	0.0012	mg/kg	8260B	08/04/11	1
Dibromomethane	BDL	0.0012	mg/kg	8260B	08/04/11	1
1,2-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	08/04/11	1
1,3-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	08/04/11	1
1,4-Dichlorobenzene	BDL	0.0012	mg/kg	8260B	08/04/11	1
Dichlorodifluoromethane	BDL	0.0060	mg/kg	8260B	08/04/11	1
1,1-Dichloroethane	BDL	0.0012	mg/kg	8260B	08/04/11	1
1,2-Dichloroethane	BDL	0.0012	mg/kg	8260B	08/04/11	1
1,1-Dichloroethene	BDL	0.0012	mg/kg	8260B	08/04/11	1
cis-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	08/04/11	1
trans-1,2-Dichloroethene	BDL	0.0012	mg/kg	8260B	08/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

August 08,2011

ESC Sample # : L529395-01

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : HA-1 0-1 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 17:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	08/04/11	1
1,1-Dichloropropene	BDL	0.0012	mg/kg	8260B	08/04/11	1
1,3-Dichloropropane	BDL	0.0012	mg/kg	8260B	08/04/11	1
cis-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	08/04/11	1
trans-1,3-Dichloropropene	BDL	0.0012	mg/kg	8260B	08/04/11	1
2,2-Dichloropropane	BDL	0.0012	mg/kg	8260B	08/04/11	1
Di-isopropyl ether	BDL	0.0012	mg/kg	8260B	08/04/11	1
Ethylbenzene	BDL	0.0012	mg/kg	8260B	08/04/11	1
Hexachloro-1,3-butadiene	BDL	0.0012	mg/kg	8260B	08/04/11	1
Isopropylbenzene	BDL	0.0012	mg/kg	8260B	08/04/11	1
p-Isopropyltoluene	BDL	0.0012	mg/kg	8260B	08/04/11	1
2-Butanone (MEK)	BDL	0.012	mg/kg	8260B	08/04/11	1
Methylene Chloride	BDL	0.0060	mg/kg	8260B	08/04/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.012	mg/kg	8260B	08/04/11	1
Methyl tert-butyl ether	BDL	0.0012	mg/kg	8260B	08/04/11	1
Naphthalene	BDL	0.0060	mg/kg	8260B	08/04/11	1
n-Propylbenzene	BDL	0.0012	mg/kg	8260B	08/04/11	1
Styrene	BDL	0.0012	mg/kg	8260B	08/04/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	08/04/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0012	mg/kg	8260B	08/04/11	1
Tetrachloroethene	BDL	0.0012	mg/kg	8260B	08/04/11	1
Toluene	BDL	0.0060	mg/kg	8260B	08/04/11	1
1,2,3-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	08/04/11	1
1,2,4-Trichlorobenzene	BDL	0.0012	mg/kg	8260B	08/04/11	1
1,1,1-Trichloroethane	BDL	0.0012	mg/kg	8260B	08/04/11	1
1,1,2-Trichloroethane	BDL	0.0012	mg/kg	8260B	08/04/11	1
Trichloroethene	BDL	0.0012	mg/kg	8260B	08/04/11	1
Trichlorofluoromethane	BDL	0.0060	mg/kg	8260B	08/04/11	1
1,2,3-Trichloropropane	BDL	0.0030	mg/kg	8260B	08/04/11	1
1,2,4-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	08/04/11	1
1,3,5-Trimethylbenzene	BDL	0.0012	mg/kg	8260B	08/04/11	1
Vinyl chloride	BDL	0.0012	mg/kg	8260B	08/04/11	1
Xylenes, Total	BDL	0.0036	mg/kg	8260B	08/04/11	1
Surrogate Recovery						
Toluene-d8	89.7		% Rec.	8260B	08/04/11	1
Dibromofluoromethane	126.		% Rec.	8260B	08/04/11	1
4-Bromofluorobenzene	77.5		% Rec.	8260B	08/04/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.20	mg/kg	8270D	08/05/11	5
Acenaphthylene	BDL	0.20	mg/kg	8270D	08/05/11	5
Anthracene	BDL	0.20	mg/kg	8270D	08/05/11	5
Benzidine	BDL	2.0	mg/kg	8270D	08/05/11	5
Benzo(a)anthracene	BDL	0.20	mg/kg	8270D	08/05/11	5

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

August 08,2011

ESC Sample # : L529395-01

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : HA-1 0-1 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 17:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Benzo(b)fluoranthene	BDL	0.20	mg/kg	8270D	08/05/11	5
Benzo(k)fluoranthene	BDL	0.20	mg/kg	8270D	08/05/11	5
Benzo(g,h,i)perylene	BDL	0.20	mg/kg	8270D	08/05/11	5
Benzo(a)pyrene	BDL	0.20	mg/kg	8270D	08/05/11	5
Bis(2-chlorethoxy)methane	BDL	2.0	mg/kg	8270D	08/05/11	5
Bis(2-chloroethyl)ether	BDL	2.0	mg/kg	8270D	08/05/11	5
Bis(2-chloroisopropyl)ether	BDL	2.0	mg/kg	8270D	08/05/11	5
4-Bromophenyl-phenylether	BDL	2.0	mg/kg	8270D	08/05/11	5
2-Chloronaphthalene	BDL	0.20	mg/kg	8270D	08/05/11	5
4-Chlorophenyl-phenylether	BDL	2.0	mg/kg	8270D	08/05/11	5
Chrysene	BDL	0.20	mg/kg	8270D	08/05/11	5
Dibenz(a,h)anthracene	BDL	0.20	mg/kg	8270D	08/05/11	5
3,3-Dichlorobenzidine	BDL	2.0	mg/kg	8270D	08/05/11	5
2,4-Dinitrotoluene	BDL	2.0	mg/kg	8270D	08/05/11	5
2,6-Dinitrotoluene	BDL	2.0	mg/kg	8270D	08/05/11	5
Fluoranthene	BDL	0.20	mg/kg	8270D	08/05/11	5
Fluorene	BDL	0.20	mg/kg	8270D	08/05/11	5
Hexachlorobenzene	BDL	2.0	mg/kg	8270D	08/05/11	5
Hexachloro-1,3-butadiene	BDL	2.0	mg/kg	8270D	08/05/11	5
Hexachlorocyclopentadiene	BDL	2.0	mg/kg	8270D	08/05/11	5
Hexachloroethane	BDL	2.0	mg/kg	8270D	08/05/11	5
Indeno(1,2,3-cd)pyrene	BDL	0.20	mg/kg	8270D	08/05/11	5
Isophorone	BDL	2.0	mg/kg	8270D	08/05/11	5
Naphthalene	BDL	0.20	mg/kg	8270D	08/05/11	5
Nitrobenzene	BDL	2.0	mg/kg	8270D	08/05/11	5
n-Nitrosodimethylamine	BDL	2.0	mg/kg	8270D	08/05/11	5
n-Nitrosodiphenylamine	BDL	2.0	mg/kg	8270D	08/05/11	5
n-Nitrosodi-n-propylamine	BDL	2.0	mg/kg	8270D	08/05/11	5
Phenanthrene	BDL	0.20	mg/kg	8270D	08/05/11	5
Benzylbutyl phthalate	BDL	2.0	mg/kg	8270D	08/05/11	5
Bis(2-ethylhexyl)phthalate	BDL	2.0	mg/kg	8270D	08/05/11	5
Di-n-butyl phthalate	BDL	2.0	mg/kg	8270D	08/05/11	5
Diethyl phthalate	BDL	2.0	mg/kg	8270D	08/05/11	5
Dimethyl phthalate	BDL	2.0	mg/kg	8270D	08/05/11	5
Di-n-octyl phthalate	BDL	2.0	mg/kg	8270D	08/05/11	5
Pyrene	BDL	0.20	mg/kg	8270D	08/05/11	5
1,2,4-Trichlorobenzene	BDL	2.0	mg/kg	8270D	08/05/11	5
Acid Extractables						
4-Chloro-3-methylphenol	BDL	2.0	mg/kg	8270D	08/05/11	5
2-Chlorophenol	BDL	2.0	mg/kg	8270D	08/05/11	5
2,4-Dichlorophenol	BDL	2.0	mg/kg	8270D	08/05/11	5
2,4-Dimethylphenol	BDL	2.0	mg/kg	8270D	08/05/11	5
4,6-Dinitro-2-methylphenol	BDL	2.0	mg/kg	8270D	08/05/11	5
2,4-Dinitrophenol	BDL	2.0	mg/kg	8270D	08/05/11	5

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
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Est. 1970

REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

August 08,2011

ESC Sample # : L529395-01

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : HA-1 0-1 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 17:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
2-Nitrophenol	BDL	2.0	mg/kg	8270D	08/05/11	5
4-Nitrophenol	BDL	2.0	mg/kg	8270D	08/05/11	5
Pentachlorophenol	BDL	2.0	mg/kg	8270D	08/05/11	5
Phenol	BDL	2.0	mg/kg	8270D	08/05/11	5
2,4,6-Trichlorophenol	BDL	2.0	mg/kg	8270D	08/05/11	5
Surrogate Recovery						
2-Fluorophenol	86.4		% Rec.	8270D	08/05/11	5
Phenol-d5	97.7		% Rec.	8270D	08/05/11	5
Nitrobenzene-d5	81.6		% Rec.	8270D	08/05/11	5
2-Fluorobiphenyl	91.7		% Rec.	8270D	08/05/11	5
2,4,6-Tribromophenol	80.5		% Rec.	8270D	08/05/11	5
p-Terphenyl-d14	97.8		% Rec.	8270D	08/05/11	5

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Det. Limit - Practical Quantitation Limit(PQL)
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Reported: 08/08/11 16:32 Printed: 08/08/11 16:33

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Fax (615) 758-5859

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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

August 08,2011

ESC Sample # : L529395-02

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : HA-2 0-1 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 17:10

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	70.8		%	2540G	07/29/11	1
Mercury	0.034	0.028	mg/kg	7471	08/05/11	1
Arsenic	BDL	1.4	mg/kg	6010B	08/05/11	1
Barium	61.	0.35	mg/kg	6010B	08/05/11	1
Cadmium	BDL	1.8	mg/kg	6010B	08/05/11	5
Chromium	43.	0.71	mg/kg	6010B	08/05/11	1
Lead	12.	0.35	mg/kg	6010B	08/05/11	1
Selenium	BDL	7.1	mg/kg	6010B	08/05/11	5
Silver	BDL	0.71	mg/kg	6010B	08/05/11	1
Volatile Organics						
Acetone	BDL	0.071	mg/kg	8260B	08/04/11	1
Acrylonitrile	BDL	0.014	mg/kg	8260B	08/04/11	1
Benzene	BDL	0.0014	mg/kg	8260B	08/04/11	1
Bromobenzene	BDL	0.0014	mg/kg	8260B	08/04/11	1
Bromodichloromethane	BDL	0.0014	mg/kg	8260B	08/04/11	1
Bromoform	BDL	0.0014	mg/kg	8260B	08/04/11	1
Bromomethane	BDL	0.0071	mg/kg	8260B	08/04/11	1
n-Butylbenzene	BDL	0.0014	mg/kg	8260B	08/04/11	1
sec-Butylbenzene	BDL	0.0014	mg/kg	8260B	08/04/11	1
tert-Butylbenzene	BDL	0.0014	mg/kg	8260B	08/04/11	1
Carbon tetrachloride	BDL	0.0014	mg/kg	8260B	08/04/11	1
Chlorobenzene	BDL	0.0014	mg/kg	8260B	08/04/11	1
Chlorodibromomethane	BDL	0.0014	mg/kg	8260B	08/04/11	1
Chloroethane	BDL	0.0071	mg/kg	8260B	08/04/11	1
2-Chloroethyl vinyl ether	BDL	0.071	mg/kg	8260B	08/04/11	1
Chloroform	BDL	0.0071	mg/kg	8260B	08/04/11	1
Chloromethane	BDL	0.0035	mg/kg	8260B	08/04/11	1
2-Chlorotoluene	BDL	0.0014	mg/kg	8260B	08/04/11	1
4-Chlorotoluene	BDL	0.0014	mg/kg	8260B	08/04/11	1
1,2-Dibromo-3-Chloropropane	BDL	0.0071	mg/kg	8260B	08/04/11	1
1,2-Dibromoethane	BDL	0.0014	mg/kg	8260B	08/04/11	1
Dibromomethane	BDL	0.0014	mg/kg	8260B	08/04/11	1
1,2-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	08/04/11	1
1,3-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	08/04/11	1
1,4-Dichlorobenzene	BDL	0.0014	mg/kg	8260B	08/04/11	1
Dichlorodifluoromethane	BDL	0.0071	mg/kg	8260B	08/04/11	1
1,1-Dichloroethane	BDL	0.0014	mg/kg	8260B	08/04/11	1
1,2-Dichloroethane	BDL	0.0014	mg/kg	8260B	08/04/11	1
1,1-Dichloroethene	BDL	0.0014	mg/kg	8260B	08/04/11	1
cis-1,2-Dichloroethene	BDL	0.0014	mg/kg	8260B	08/04/11	1
trans-1,2-Dichloroethene	BDL	0.0014	mg/kg	8260B	08/04/11	1

Results listed are dry weight basis.
BDL - Below Detection Limit
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REPORT OF ANALYSIS

Larry Bertsch
GAIA Tech - Chicago, IL
135 S. LaSalle St, Ste 3500
Chicago, IL 60603

August 08,2011

ESC Sample # : L529395-02

Date Received : July 23, 2011
Description : Site Investigation

Site ID : ELON NC

Sample ID : HA-2 0-1 FT

Project # : B11164100

Collected By : JB
Collection Date : 07/21/11 17:10

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
1,2-Dichloropropane	BDL	0.0014	mg/kg	8260B	08/04/11	1
1,1-Dichloropropene	BDL	0.0014	mg/kg	8260B	08/04/11	1
1,3-Dichloropropane	BDL	0.0014	mg/kg	8260B	08/04/11	1
cis-1,3-Dichloropropene	BDL	0.0014	mg/kg	8260B	08/04/11	1
trans-1,3-Dichloropropene	BDL	0.0014	mg/kg	8260B	08/04/11	1
2,2-Dichloropropane	BDL	0.0014	mg/kg	8260B	08/04/11	1
Di-isopropyl ether	BDL	0.0014	mg/kg	8260B	08/04/11	1
Ethylbenzene	BDL	0.0014	mg/kg	8260B	08/04/11	1
Hexachloro-1,3-butadiene	BDL	0.0014	mg/kg	8260B	08/04/11	1
Isopropylbenzene	BDL	0.0014	mg/kg	8260B	08/04/11	1
p-Isopropyltoluene	BDL	0.0014	mg/kg	8260B	08/04/11	1
2-Butanone (MEK)	BDL	0.014	mg/kg	8260B	08/04/11	1
Methylene Chloride	BDL	0.0071	mg/kg	8260B	08/04/11	1
4-Methyl-2-pentanone (MIBK)	BDL	0.014	mg/kg	8260B	08/04/11	1
Methyl tert-butyl ether	BDL	0.0014	mg/kg	8260B	08/04/11	1
Naphthalene	BDL	0.0071	mg/kg	8260B	08/04/11	1
n-Propylbenzene	BDL	0.0014	mg/kg	8260B	08/04/11	1
Styrene	BDL	0.0014	mg/kg	8260B	08/04/11	1
1,1,1,2-Tetrachloroethane	BDL	0.0014	mg/kg	8260B	08/04/11	1
1,1,2,2-Tetrachloroethane	BDL	0.0014	mg/kg	8260B	08/04/11	1
Tetrachloroethene	BDL	0.0014	mg/kg	8260B	08/04/11	1
Toluene	BDL	0.0071	mg/kg	8260B	08/04/11	1
1,2,3-Trichlorobenzene	BDL	0.0014	mg/kg	8260B	08/04/11	1
1,2,4-Trichlorobenzene	BDL	0.0014	mg/kg	8260B	08/04/11	1
1,1,1-Trichloroethane	BDL	0.0014	mg/kg	8260B	08/04/11	1
1,1,2-Trichloroethane	BDL	0.0014	mg/kg	8260B	08/04/11	1
Trichloroethene	BDL	0.0014	mg/kg	8260B	08/04/11	1
Trichlorofluoromethane	BDL	0.0071	mg/kg	8260B	08/04/11	1
1,2,3-Trichloropropane	BDL	0.0035	mg/kg	8260B	08/04/11	1
1,2,4-Trimethylbenzene	BDL	0.0014	mg/kg	8260B	08/04/11	1
1,3,5-Trimethylbenzene	BDL	0.0014	mg/kg	8260B	08/04/11	1
Vinyl chloride	BDL	0.0014	mg/kg	8260B	08/04/11	1
Xylenes, Total	BDL	0.0042	mg/kg	8260B	08/04/11	1
Surrogate Recovery						
Toluene-d8	89.3		% Rec.	8260B	08/04/11	1
Dibromofluoromethane	122.		% Rec.	8260B	08/04/11	1
4-Bromofluorobenzene	78.1		% Rec.	8260B	08/04/11	1
Base/Neutral Extractables						
Acenaphthene	BDL	0.047	mg/kg	8270D	08/05/11	1
Acenaphthylene	BDL	0.047	mg/kg	8270D	08/05/11	1
Anthracene	BDL	0.047	mg/kg	8270D	08/05/11	1
Benzidine	BDL	0.47	mg/kg	8270D	08/05/11	1
Benzo(a)anthracene	BDL	0.047	mg/kg	8270D	08/05/11	1

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