Brownfields Phase II
Site Assessment Report
Former Rome Oil Mill
Rome, Georgia

H&H Job No. ROM-001

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1.0 Introduction and Background

Hart & Hickman, PC (H&H) has completed Brownfields Phase II site assessment activities at the former Rome Oil Mill property located at 3 East 12th Street in Rome, Floyd County, Georgia. A site location map is included as Figure 1 and a site map is included as Figure 2. A property survey map is included as Appendix A. The subject Brownfields Phase II assessment was performed for the City of Rome under Environmental Protection Agency (EPA) Assessment Cooperative Agreement Number 95405708.

The subject property consists of one 11.33-acre parcel previously occupied by Rome Oil Mill and Rome Fertilizer Company beginning in the early 1900s. The Rome Oil Mill produced cotton seed oil at the site until the late 1970s. Fertilizer production also occurred in a fertilizer building noted in the southwest corner of the subject site on Sanborn Maps dated 1909 through 1950. Numerous structures associated with cotton seed oil and fertilizer production were demolished in the 1990s and 2000s. From the 1940s to the 1990s Minge Construction Company utilized the northern portion of the site to manufacture concrete, and in 2002 the northernmost existing warehouse at the site was leased for several months for automobile engine and body repair. The site is now primarily vacant, with the exception of a soccer field utilized by an adult soccer league, two warehouses used for miscellaneous storage, and a small concession stand.

H&H conducted a Phase I Environmental Site Assessment (ESA) in July 2010. The Phase I ESA identified the following Recognized Environmental Conditions (RECs):

- Cotton seed processing has historically been conducted at the subject site. Hexane, a volatile organic compound (VOC), was commonly used for extracting cotton seed oil during the 1960s.

- Fertilizers, which commonly contain elevated concentrations of metals, have historically been manufactured and stored in the southwestern portion of the site.

- Minge Construction Company operated three Underground Storage Tanks (USTs) in the northern portion of the subject site. According to the EDR Report and a Notification Data for Underground Storage Tank form completed in July 1998, the USTs and product piping were removed on July 6, 1998. During Phase I activities, the location of the UST could not be confirmed. However, H&H was able to interview Mr. John Bennett, former Minge Construction employee during Phase II activities. Mr. Bennett indicated that Minge Construction did operate a gasoline UST; however, the dispenser and likely the UST were located on the adjacent Norfolk Southern property, not on the subject site. Mr. Bennett reported that the only Minge Construction activities on the subject site consisted of concrete mixing and disposal of waste concrete and building debris.

- Gulf Oil Refinery operated at the property adjacent and east of the subject site. It was identified in city and cross-reference directories dated 1922 to 1969 and on Sanborn Maps dated 1926, 1950, and 1969. The Sanborn Maps depict seven gasoline tanks approximately 50 ft east and upgradient of the site (the maps do not specify if the tanks were above ground or underground).

- Sanborn Maps dated 1926, 1950, and 1969 depict a machine shop in the southeast portion of the site. Petroleum products and degreasing solvents were potentially used in the former machine shop.

- An 800-gallon gasoline tank is depicted in the northeast corner of the fertilizer building on the 1909 and 1915 Sanborn Maps (the maps do not specify if the tanks were above ground or underground).

- Sanborn Maps dated 1909, 1915, 1926, 1950, and 1969 list coal as a fuel source for the Rome Oil Mill. Coal and burned coal residuals potentially contain heavy metals and polynuclear aromatic hydrocarbons (PAHs).

- H&H conducted a Tier I Vapor Intrusion Assessment (VIA) in general accordance with ASTM E 2600-08 Standard Practice for Assessment of Vapor Intrusion into Structures on Property Involved in Real Estate Transactions. H&H reviewed historical site uses, regulatory environmental database records (EDR Report), geological data, potential subsurface vapor conduits, and existing and planned uses for the property as required by the ASTM standard to screen the potential for indoor vapor intrusion. Based on a review of the available information, H&H determined that potential groundwater contamination from former Gulf Refining Company operations and a former on-site gasoline UST constitute potential Vapor Intrusion Concerns (pVICs) at the subject site.

Although not considered RECs, the following potential environmental concerns (PECs) were identified in connection with the subject site:

- Cotton seed storage has historically been conducted at the subject site and pesticide use may have occurred in these areas.

- H&H identified several stained areas on the concrete floor in the warehouse buildings. H&H did not observe evidence of floor drains near the stains, and the concrete floor in the vicinity of the stains appears to be in good condition. It does not appear that the spilled material has migrated below the concrete floor to impact underlying soil. H&H identified the stains as a de minimis condition in accordance with the ASTM E 1527-05 standard.

- Historical off-site operations that may potentially impact the subject site include adjacent manufacturing facilities, a dry cleaner located approximately 350 ft east of the subject site, a gasoline service station located approximately 600 ft east of the subject site, and a small parts repair shop located 200 ft east.

- Based on the age of the existing on-site buildings and observed building materials, a potential exists for asbestos containing materials and lead-based paint at the property.

H&H recommends a formal asbestos and lead-based paint survey be considered as part of site redevelopment planning.

- According to the current property owner, an area in the southern portion of the subject site has been filled with brick debris. The fill area should be evaluated by a geotechnical engineer if structural improvements are being considered as a part of site redevelopment planning. In addition, the potential presence for asbestos containing materials or lead-based paints in the debris should be assessed.

- According to the FEMA Flood Insurance Rate Map (Community Panel Number 13115C0281E dated September 25, 2009) a substantial portion of the subject site is located within Zone X. Zone X indicates that the property is located in a moderate to low risk area which typically is called the 500-year flood plain. A smaller portion of the property is located within Zone AE, which indicates that there is a 1% annual chance of flooding. This should be taken into consideration during site redevelopment planning.

As part of H&H's Brownfields Phase II assessment planning, H&H prepared a *Generic Quality Assurance Project Plan* (Generic QAPP) for all City of Rome Brownfield Phase II ESAs. In addition, *Site-Specific Quality Assurance Project Plan Addendum 3A* (QAPP Addendum) was completed for the former Rome Oil Mill site. These QAPPs outlined specific procedures to be implemented to assure and control the quality and integrity of sample collection and analysis during the course of the assessment. Both QAPPs were approved by the EPA prior to beginning assessment activities. These procedures were followed as prescribed, unless noted otherwise in this report.

Results of the Brownfields site assessment activities are presented in the sections that follow.

2.0 Sampling Activities

2.1 General Field Practices

Phase II sampling activities were primarily conducted at the site by H&H between January 9 and 14, 2011. One follow-up sample was collected on April 5, 2011. Soil and groundwater samples were collected for laboratory analysis. Field activities consisted of the following:

1) Ground penetrating radar (GPR) survey and utility locating
2) Completion of 15 soil borings using direct push technology (DPT) methods, with a follow-up soil sample via hand auger
3) Installation of five monitoring wells using hollow-stem auger (HSA) methods
4) Collection of 24 soil samples for laboratory analysis from the above soil borings
5) Collection of five groundwater samples for laboratory analysis from the above monitoring wells

The locations of soil boring and monitoring wells installed by H&H are depicted on Figure 2.

H&H contracted a firm to conduct a GPR survey of select site areas and to identify subsurface utilities prior to beginning drilling activities. The GPR survey was completed in the area of the existing soccer field where brick debris was reportedly buried. An anomaly was identified slightly southeast of the originally reported location of buried brick debris. Soil boring SB-14 was advanced in this area to determine the material within the anomaly (see Section 2.2). In addition, the area previously suspected of being the location of a UST was also surveyed with the GPR. No evidence of a UST was identified with the GPR.

Soil borings were advanced by DPT methods using a Geoprobe 6610DT rig between January 10 and 12, 2011. Soil cores were collected by Macro-Core® samplers at five-foot intervals within an acetate sleeve during the advancement of each soil boring. H&H obtained soil samples from these cores for laboratory analysis. The soil boring locations are depicted on Figure 2 and were

surveyed by Williams, Sweitzer, and Barnum, Inc. The property survey is included as Appendix A.

Soil cores were described for lithologic purposes (i.e., soil type), inspected for the presence of staining and odors, and field-screened for the presence of organic vapors with a calibrated photo-ionization detector (PID). Soil boring logs are provided in Appendix B. As stated in the Site-Specific QAPP, samples were collected for laboratory analyses based on evidence of suspected contamination indicated by field screening results (including visual and olfactory observations). If no evidence of suspected contamination was observed, a sample was collected from the pre-specified sampling depth and submitted for laboratory analyses.

After soil sampling was completed, the borings were abandoned with grout with the exception of SB-2, SB-3, SB-9, SB-13, and SB-15, which were advanced below the water table and converted into monitoring wells MW-1 through MW-5.

Permanent monitoring wells were installed by a GA-licensed well driller with hollow stem augers to allow ground water sampling in areas of potential on-site groundwater impacts. The areas sampled included the following:

1) Sanborn-identified gasoline tank in the southern portion of the site (MW-1)
2) Former machine shop and settling tanks (MW-2)
3) Former cotton seed bin (MW-3),
4) Former off-site, upgradient, Minge Construction UST and dispenser island (MW-4)
5) Wooded debris area in the northern portion of the site (MW-5)

The wells were constructed with 10 ft of 2-inch diameter 0.010-in slot pre-packed PVC screen and riser to the surface with the exception of MW-1, which was constructed with 5 ft of 0.10-in slot pre-packed screen due to auger refusal at 10 ft. Additional sand was placed around and above the screens. The well annulus was completed by adding bentonite and a grout seal to the ground surface. Monitoring well locations and top-of-casing (TOC) elevations were surveyed by

Williams, Sweitzer, and Barnum, Inc. (refer to Appendix A). Well construction details are provided on Table 1.

The well materials were allowed to cure for a minimum of 24 hours prior to development. Each monitoring well was then developed until the turbidity of the well was visually free of sediments. Once development was complete, each well was allowed to stabilize for approximately 24 hours. The monitoring wells were then purged and sampled.

Prior to well purging, the depth to water in each monitoring well was obtained using an electronic water level meter (Table 1). Each well was then purged by low flow methods using a peristaltic pump. During well purging, measurements of dissolved oxygen, pH, conductivity, temperature, and turbidity were taken. The wells were purged until field parameters stabilized. Appropriate efforts were made to achieve turbidity measurements less than 10 NTUs. The 10 NTU target was nearly met with all monitoring wells turbidity measurements less than 12 NTUs. Groundwater sampling records are provided in Appendix B. Groundwater samples were collected from each well for laboratory analysis. Samples were collected through dedicated Teflon tubing and a peristaltic pump with the exception of samples for VOC analysis. Samples for VOC analysis were collected via the purge and trap method using Teflon tubing.

Laboratory analysis of soil and groundwater samples was conducted by Empirical Laboratories, LLC (Empirical). Empirical is certified by the National Environmental Laboratory Accreditation Program (NELAP) to perform the requested laboratory analyses. The State of Georgia has approved the NELAP accreditation. A chain-of-custody record was completed for samples collected and included the sample designation, date collected, time collected, matrix, sample container information, and requested analyses. The completed chain-of-custody record was signed by H&H sampling personnel prior to placement in an iced cooler. Due to inclement weather conditions during the sampling activities, Federal Express was unable to guarantee overnight delivery; therefore, H&H retained the samples until Monday January 17, 2011. Empirical personnel picked-up the samples from H&H on January 17, 2011. Laboratory analytical data reports and chain-of-custody records are included in Appendix C.

2.2 Soil Analytical Results

Soils at the site are primarily silty clay with varying amounts of sand and rounded black gravel-sized rock. The subject site is located in the Great Valley of the Valley and Ridge Physiographic Province of Georgia. The Valley and Ridge is typically defined by northeast-trending ridges and valleys with flat-topped mountains. The Rome Fault appears to be located just west of the City of Rome.

According to the Geologic Map of Georgia dated 1976, the underlying bedrock in the site area is described as the Rome Formation. This formation is a thick Cambrian-age stratigraphic unit comprised of sandy shales, sandstones, and quartzites; however, the bedrock reached at 10 to 14 ft bgs was a light to dark grey limestone.

Soil cores were screened with a PID and visually inspected for staining. No elevated PID readings were detected and no areas of stained soils were identified. The results of soil sample analyses are summarized in Table 2. The laboratory analytical data reports are provided in Appendix C.

The purpose of soil sampling was two-fold: 1) to assess potential risk at the site and 2) to assess the current subsurface conditions at the site. The Georgia Environmental Protection Division (EPD) requires notification by the property owner if concentrations exceed Notification Concentrations (NCs). The soil analytical data were compared to the HSRA NCs. It is important to note that the NCs are conservative screening levels and are not intended to be cleanup levels.

<u>Former Fertilizer Building</u>

Soil borings SB-1 was advanced on a concrete pad identified as a former fertilizer building on the 1909 to 1950s Sanborn Maps. A shallow sample was collected from 3 to 4 ft bgs since the concrete pad was 2 ft thick. In addition, a deeper sample was collected from 6 to 8 ft bgs at SB-1. Both shallow and deep samples were analyzed for VOCs plus hexane, semi-volatile organic compounds (SVOCs), and Resource Conservation and Recovery Act metals (RCRA metals). In

addition, the shallow sample was analyzed for organochlorine pesticides (OCPs) and organophosphorus pesticides (OPPs).

VOCs

Low levels of acetone and 2-butanone were detected in SB-1 from both the 3 to 4 ft and 6 to 8 ft samples; however, the concentrations were not above their respective NCs. These acetone and 2-butanone detections may be laboratory-introduced contaminants and may not be present in soil.

SVOCs

No SVOCs were detected in either sample.

Metals

Metals including arsenic, barium, chromium, lead, and mercury were detected in both samples from SB-1; however, none of the metals were detected above their respective NCs. In addition, detected metal concentrations are within published background ranges.

OCPs and OPPs

No OCPs or OPPs were detected in the 3 to 4 ft sample.

<u>Sanborn Identified Gasoline Tank</u>

Soil boring SB-2 was advanced near a gasoline tank identified on 1909 and 1915 Sanborn Maps; however, it was unclear if the gasoline tank was above or below ground. No evidence of impact was identified with field screening methods. Therefore, only a surficial sample was collected from 0 to 2 ft bgs from soil boring SB-2. The sample collected was submitted for laboratory analyses of VOCs plus hexane, SVOCs, and RCRA metals.

VOCs

Acetone, 2-butanone, and tetrachloroethene were detected in the 0 to 2 ft sample; however, the concentrations were lower than their respective NCs. No petroleum constituents were detected. These acetone and 2-butanone detections may be laboratory-introduced contaminants and may not be present in soil.

SVOCs

No SVOCs were detected in any of the samples.

Metals

Several metals including arsenic, barium, chromium, lead, and mercury were identified in the SB-2 (0-2 ft) soil sample; however, none detected were above their NCs. In addition, detected metal concentrations are within published background ranges.

Former Machine Shop

Soil boring SB-3 was advanced on a concrete pad in the vicinity of a former machine shop identified on the 1926 through 1969 Sanborn Maps. In addition, SB-3 was located near former settling tanks depicted on the 1926 and 1950 Sanborn Maps. A shallow soil sample was collected at 2 to 4 ft bgs because the first 2 ft of the boring was concrete mixed with gravel. A subsurface sample was collected from SB-3 at 4 to 6 ft bgs. In addition, a duplicate sample labeled Duplicate 1 was collected from SB-3 at the 2 to 4 ft bgs interval. Both shallow samples were submitted for laboratory analyses of VOCs plus hexane, SVOCs, and RCRA metals. The subsurface sample collected from SB-3 was analyzed for VOCs plus hexane, polynuclear aromatic hydrocarbons (PAHs), and RCRA metals. A duplicate sample labeled Duplicate 2 was collected from the SB-3 sample from the 4 to 6 ft bgs interval for laboratory analyses of PAHs.

VOCs

Low concentrations of acetone and 2-butanone were detected in the 2 to 4 ft sample and Duplicate 1. Low concentrations of acetone and methyl acetate were detected in the 4 to 6 ft sample collected from SB-3. The detected VOC concentrations in both the surficial and subsurface sample collected from SB-3 were below their respective NCs. The acetone and 2-butanone detections may be laboratory-introduced contaminants and may not be present in soil.

SVOCs and PAHs

No SVOCs or PAHs were detected in the surficial, subsurface, or duplicate samples collected from SB-3.

Metals

Arsenic, barium, chromium and lead were detected in the 0 to 2 ft and 4 to 6 ft samples collected from SB-3. Mercury was detected in the 4 to 6 ft sample; however, none of the detected RCRA metals were above their respective NCs. In addition, detected metal concentrations are within published background ranges.

Former Linter Room

Soil boring SB-4 was advanced in the vicinity of the former linter and seed cleaning room depicted on the 1909 to 1969 Sanborn Maps. A surficial sample was collected from 0 to 2 ft and submitted for laboratory analyses of VOCs plus hexane, SVOCs, and RCRA metals.

VOCs

Low concentrations of acetone and 2-butanone were detected in the surficial sample from SB-4; however, no constituents detected were above their respective NC. These acetone and 2-butanone detections may be laboratory-introduced contaminants and may not be present in soil.

SVOCs

No SVOCs were detected in the surficial sample from SB-4.

Metals

Arsenic, barium, chromium, lead, and mercury were detected in surficial sample from SB-4; however, none of the detected RCRA metals were above their respective NCs. In addition, detected metal concentrations are within published background ranges.

Reported Buried Brick Debris/Cotton Seed Oil Tanks

Buried brick debris was originally reported to be located in the center of the existing soccer field. However, during the GPR survey, no buried debris was located in this area. An anomaly was identified on the east side of the soccer field. Soil boring SB-5 was advanced in the soccer field, in the approximate location of cotton seed oil tanks identified on Sanborn Maps. A surficial sample was collected from 0-2 ft bgs for laboratory analysis of VOCs plus hexane, SVOCs, and

RCRA metals. A deeper sample was collected from 2 to 4 ft for laboratory analysis of VOCs plus hexane, PAHs, and RCRA metals.

A second soil boring, SB-14 was advanced in the center of the anomaly identified by the GPR survey to determine the contents of the anomaly; however, refusal was encountered at 2 ft. The boring was moved approximately 5 ft south and DPT refusal was again encountered at 4 ft bgs. Brick and concrete debris were identified in the sampling sleeve. A sample was not submitted for laboratory analysis from SB-14 given the shallow refusal depth and no soil recovery in the acetate sleeve.

VOCs

Acetone was detected at low concentrations in both the surficialand subsurface samplescollected from soil boring SB-5. A low concentration of 2-butanone was detected in the surficial sample; however, none of the VOC detections were above their respective NCs. No other VOCs were detected. These acetone and 2-butanone detections may be laboratory-introduced contaminants and may not be present in soil.

SVOCs and PAHs

Benzo(b)fluoranthene was the only PAH detected in the surficial sample collected from SB-5, and the detected concentration was below its NC. Several PAHs were detected in the subsurface sample collected from 2 to 4 ft including 1-methylnaphthalene, 2-methylnaphthalene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, naphthalene, and pyrene. These PAHs were detected at concentrations below their NCs, with the exception of benzo(a)pyrene. Benzo(a)pyrene was detected at a concentration of 1.76 mg/kg, slightly above its NC of 1.64 mg/kg. Because the detection was only slightly above the NC, H&H re-mobilized to the site on April 5, 2011 to collect a confirmation sample at 2 to 4 ft bgs immediately adjacent to the SB-5 soil boring location to confirm the benzo(a)pyrene detection. The confirmation sample was collected by hand auger, which produced more volume of soil than the original DPT sample enabling better homogenization of the sample. Benzo(a)pyrene was not detected in the

confirmation sample, and no other SVOCs were detected above their respective NCs. H&H believes the confirmation sample to be a better representation of the subsurface conditions.

Metals

Various metals including arsenic, barium, chromium, lead, and mercury were detected in both the surficial and subsurface samples collected from soil boring SB-5; however, none of these metal concentrations were above their respective NCs. It is noted that the arsenic concentration in SB-5 (2-4 ft) slightly exceeds the published background range. However, as noted above, the arsenic detection is below the NC.

Former Seed House

Soil boring SB-6 was advanced in the vicinity of the former seed house. A surficial sample was collected from 0 to 2 ft bgs for laboratory analysis of VOCs plus hexane, SVOCs, RCRA metals, OCPs, and OPPs. In addition, a duplicate sample labeled Duplicate 3 was collected from SB-6 (0-2 ft) for the same analyses. A subsurface sample was collected from SB-6 from 2 to 4 ft bgs for laboratory analysis of VOCs plus hexane, PAHs, and RCRA metals.

VOCs

Low concentrations of acetone and 2-butanone were detected in the surficial, subsurface, and duplicate samples collected from SB-6 at concentrations below their respective NCs. No other VOCs were detected. These acetone and 2-butanone detections may be laboratory-introduced contaminants and may not be present in soil.

SVOCs

Low concentrations of SVOCs, specifically PAHs, were detected in the surficial sample, duplicate sample, and subsurface sample collected from SB-6 including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, flouranthene, indeno(1,2,3-cd)pyrene, phenathrene, and pyrene. Similar concentrations of these compounds (except benzo(g,h,i)perylene and indeno(1,2,3-cd)pyrene) were detected in the Duplicate 3 sample. None of the PAH concentrations detected in the samples collected from soil boring SB-6 were above their respective NCs.

Metals

Various metals including arsenic, barium, chromium, lead, and mercury were detected in the samples collected from soil boring SB-6; however, none of the metal concentrations were above their respective NCs. In addition, detected metal concentrations are within published background ranges.

OCPs and OPPs

OCPs including endosulfan II and methoxychlor were detected in the surficial sample collected from SB-6; however, these constituents were not detected in the duplicate sample collected from SB-6. The OCP detections in the surficial sample collected from SB-6 were also below their respective NCs. No OPPs were detected in the surficial or duplicate sample collected from SB-6.

Loading Dock/Disturbed Area in 1943 Aerial

Soil boring SB-7 was advance near a loading dock attached to a warehouse in the western portion of the site. This location also correlated with the southern portion of a disturbed area identified on the 1943 aerial photograph. Soil boring SB-8 was advanced in the northern portion of the disturbed area identified in the 1943 aerial photograph. Soil samples were collected from 0-2 ft bgs in both soil borings for laboratory analysis of VOCs plus hexane, SVOCs, and RCRA metals. In addition, the surficial sample collected from SB-8 was analyzed for OCPs and OPPs. A subsurface sample was collected from SB-7 at 8 to 10 ft bgs for laboratory analysis of VOCs plus hexane, PAHs, and RCRA metals.

VOCs

Low concentrations of acetone and 2-butanone were detected in the surficial samples collected from SB-7 and SB-8. These acetone and 2-butanone detections may be laboratory-introduced contaminants and may not be present in soil. In addition, methylene chloride was detected in the surficial sample collected from SB-7. None of the detected VOC concentrations in SB-7 or SB-8 were above their respective NCs. No other VOCs were detected.

SVOC and PAHs

No SVOCs or PAHswere detected in any of the samples collected from soil borings SB-7 and SB-8.

Metals

Various metals including arsenic, barium, chromium, and lead were detected in all the samples collected from soil borings SB-7 and SB-8. In addition, mercury was detected in the surficial samples collected from soil borings SB-7 and SB-8; however, none of these metal concentrations were above their respective NCs. In addition, detected metal concentrations are within published background ranges.

OCPs and OPPs

Concentrations of 4,4-DDE; 4,4-DDT, dieldrin, and methoxychlor were detected in the surficial sample collected from SB-8; however, the concentrations detected were below their respective NCs. No OPPs were detected in the surficial sample collected from soil boring SB-8.

Former Cotton Seed Bin

Soil boring SB-9 was advanced in the vicinity of a cotton seed bin depicted on the 1950 and 1969 Sanborn Maps. A surficial sample was collected for laboratory analysis of VOCs plus hexane, SVOCs, RCRA metals, OCPs, and OPPs.

VOCs

Only low concentrations of acetone and 2-butanone were detected in the surficial sample collected from SB-9; however, these concentrations are not above their respective NCs. These acetone and 2-butanone detections may be laboratory-introduced contaminants and may not be present in soil.

SVOCs

No SVOCs were detected.

Metals

Various metals including arsenic, barium, chromium, lead, and mercury were detected in the sample collected from SB-9; however, none of these concentrations exceeded their respective NCs. In addition, detected metal concentrations are within published background ranges.

OCPs and OPPs

No OCPs or OPPs were detected in the surficial sample collected from SB-9.

Wooded Debris Area

Soil borings SB-11 through SB-13 were advanced in a wooded area of scattered debris in the northern portion of the site. Debris included concrete, scrap wood, paper, insulation, drywall, glass, metal, and plastic. This debris area appears to be the location of the disturbed area identified in the 1972 and 1988 aerial photograph. In addition a cement truck mixing tank approximately 6 ft by 18 ft and full of cured concrete was identified at the site near soil boring SB-13. According to a former employee of Minge Construction, this area was used for concrete mixing and dumping of waste concrete and various construction debris.

Surficial samples were collected from soil borings SB-11 and SB-13 at 0 to 2 ft bgs. A subsurface sample was collected from SB-12 at 4 to 6 ft bgs because the concrete was 4 ft thick bgs in the area. In addition, a subsurface sample was collected from soil boring SB-11 at 2 to 4 ft. All samples collected from soil borings SB-11 through SB-13 were submitted for laboratory analysis of VOCs plus hexane, SVOCs, and RCRA metals.

VOCs

Low concentrations of acetone and 2-butanone were detected in the soil samples collected from soil borings SB-11 through SB-13; however, none of the concentrations detected were above their respective NCs. These acetone and 2-butanone detections may be laboratory-introduced contaminants and may not be present in soil.

SVOCs

No SVOCs were detected in any of the soil samples with the exception of fluoranthene, phenanthrene, and pyrene in the surficial sample collected from SB-13; however, none of the SVOC concentrations detected were above their respective NC.

Metals

Various metals including arsenic, barium, chromium, and lead were detected in all soil samples collected from soil borings SB-11 through SB-13. In addition, mercury was detected in soil samples collected from SB-11 through SB-13 with the exception of the surficial sample collected from SB-11. Cadmium was detected at a low concentration in the surficial sample collected from soil boring SB-13. None of the concentrations detected in samples collected from soil borings SB-11 through SB-13 exceeded their respective NCs. In addition, detected metal concentrations are within published background ranges.

Former Minge Construction Gasoline USTs

Soil boring SB-10 was advanced in the vicinity of the previously suspected Minge Construction gasoline UST and associated piping; however, as discussed previously, a former employee of Minge Construction identified a former gasoline dispenser island located on the adjacent Norfolk-Southern property and stated that the subject site was only used by Minge Construction for concrete mixing and dumping concrete waste. The geophysical survey conducted at the site prior to sampling activities was unable to locate USTs in the previously suspected area of the former Minge Construction UST. Field observations and field screening did not indicate impacts in soil boring SB-10; therefore, a sample was not collected. Instead, H&H installed soil boring SB-15 downgradient of the reported former location of the gasoline dispenser located on the adjacent property. A surficial sample was collected at 0 to 2 ft bgs for laboratory analysis of VOCs plus hexane, SVOCs, and RCRA metals. In addition, a subsurface sample was collected at 2 to 4 ft bgs (the water table was encountered at approximately 3 ft bgs). The subsurface sample was analyzed for benzene, ethylbenzene, toluene, and xylenes (BTEX), PAHs, and lead.

VOCs and BTEX

No VOCs or BTEX constituents were detected in the samples collected from soil boring SB-15.

SVOCs and PAHs

No SVOCs or PAHswere detected in the samples collected from soil boring SB-15.

Metals

Various metals including arsenic, barium, chromium, and lead were detected in the surficial sample from SB-15. In addition, lead was detected in the subsurface sample collected from SB-15; however, none of the concentrations exceeded their respective NCs. In addition, detected metal concentrations are within published background ranges.

QA/QC Samples

The matrix spike/matrix spike duplicate (MS/MSD) soil samples listed below were collected and submitted to the analytical laboratory. The results are included in the laboratory analytical data report in Appendix C.

- MS/MSD for VOCs plus hexane, SVOCs, RCRA metals, OCPs, and OPPs from SB-9 (0-2 ft)

The blind duplicates listed below were submitted to the laboratory as a measure of laboratory repeatability. The results are discussed throughout this section, are tabulated in Table 2, and attached in the laboratory analytical data report in Appendix C. In general, the duplicate samples indicate good repeatability, with the exception of trace OCPs in SB-6 (0-2 ft).

- Duplicate 1 for VOCs plus hexane, SVOCs, and RCRA metals from SB-3 (2-4) ft
- Duplicate 2 for PAHs from SB-3 (4-6 ft)
- Duplicate 3 for VOCs plus hexane, SVOCs, RCRA metals, OCPs, and OPP from SB-6 (0-2 ft)

OCPs were detected at trace levels in the SB-6 (0-2 ft) target sample but were not detected in the duplicate sample. The maximum concentration detected for an OCP in this sample was 4.15 µg/kg and the duplicate detection limit for this OCP was 0.807. Although the duplicate OCP sample did not show good repeatability the detected concentration was low and several orders of magnitude below the NC. Based on these considerations, the lack of repeatability for OCPs in SB-6 (0-2 ft) is not judged to be significant.

2.3 Groundwater Sampling and Analytical Results

Groundwater was encountered at depths ranging from approximately 2.83 to 7.65 ft bgs (Table 1). A water table contour map generated from the groundwater elevation data is provided as Figure 3. The map indicates that shallow groundwater flow across the site is toward the west.

Results of the groundwater analyses are summarized in Table 3. The analytical laboratory data reports are provided in Appendix C. Groundwater data was compared to EPD's Maximum Contaminant Levels (MCLs) and to the EPD Appendix III Media Target Concentrations and Standardized Exposure Assumptions Table 1 Groundwater Criteria. Groundwater detections have been included on Figure 4.

<u>Sanborn Identified Gasoline Tank (MW-1)</u>

MW-1 was installed in soil boring SB-2 in the location of a gasoline tank identified on the 1909 and 1915 Sanborn Maps; however, it is unclear if the gasoline tank was above or below ground. The well was completed to a total depth of 10 ft bgs at HSA refusal. The groundwater sample from MW-1 was submitted for laboratory analysis of VOCs, SVOCs, and RCRA metals.

VOCs

Tetrachloroethene (PCE) was detected in MW-1 at a concentration below the EPD MCL. PCE was also detected at a trace concentration in soil at this location. PCE is not a petroleum related compound and the source of this detection is unknown. Because the PCE concentrations are below screening criteria, they do not appear to be significant.

SVOCs

No SVOCs were detected in MW-1.

RCRA Metals

Barium was detected at a concentration below the EPD MCL. The barium in groundwater may be naturally occurring.

Former Machine Shop and Settling Tanks (MW-2)

MW-2 was installed in soil boring SB-3 in the vicinity of a former machine shop identified on the 1926 through 1969 Sanborn Maps. In addition, MW-2 was located near former settling tanks depicted on the 1926 and 1950 Sanborn Maps. The well was completed to a total depth of 14 ft bgs at HSA refusal. The groundwater sample from MW-2 was submitted for laboratory analysis of VOCs, SVOCs, and RCRA metals. A duplicate sample (Duplicate 4) was collected from MW-2 for the same analyses and similar results were reported.

VOCs

No VOCs were detected in MW-2 or it's duplicate.

SVOCs

No SVOCs were detected in the MW-2 or it's duplicate.

RCRA Metals

Barium was detected at a concentration below the EPD MCL. The barium in groundwater may be naturally occurring.

Former Cotton Seed Bin

MW-3 was installed in soil boring SB-9 in the vicinity of a cotton seed bin depicted on the 1950 and 1969 Sanborn Maps. MW-3 was installed to a total depth of 14 ft bgs at HSA refusal. The groundwater sample from MW-3 was submitted for laboratory analysis of VOCs, SVOCs, and RCRA metals.

VOCs

A low concentration of chloroform was detected in MW-3 below the EPD MCL.

SVOCs

No SVOCs were detected in MW-3.

RCRA Metals

No metals were detected in MW-3.

Former Minge Construction UST (MW-4)

The former Minge Construction UST was not identified on-site. As discussed previously, a former Minge Construction employee identified the former location of a gasoline dispenser on the adjacent Norfolk-Southern property to the east of the subject site. MW-4 was installed in soil boring SB-15 to potentially detect a release from this potential off-site UST and dispenser. MW-4 was moved approximately 75 ft southeast of the QAPP Addendum-specified location in order to assess the off-site former dispenser located on the adjacent Norfolk-Southern property. MW-4 was installed to a total depth of 13 ft bgs at HSA refusal. The groundwater sample from MW-4 was submitted for laboratory analysis of VOCs, SVOCs, and RCRA metals.

VOCs

No VOCs were detected in MW-4.

SVOCs

No SVOCs were detected in MW-4.

RCRA Metals

Barium was detected at a concentration below the EPD MCL. The barium in groundwater may be naturally occurring.

Wooded Debris Area (MW-5)

MW-5 was installed in soil boring SB-13 which was located in the northern portion of the site, just north of the debris area and within the disturbed area identified on the 1972 and 1988 aerial photograph. MW-5 was installed to a total depth of 14 ft bgs, at HSA refusal. The groundwater sample from MW-5 was submitted for laboratory analysis of VOCs, SVOCs, and RCRA metals.

VOCs

Acetone, benzene, naphthalene, and toluene were detected in MW-5; however, the concentrations were below their respective screening criteria.

SVOCs

No SVOCs were detected.

Metals

Barium was detected at a concentration below the EPD MCL. The barium in groundwater may be naturally occurring.

QA/QC Samples

One duplicate sample from MW-2 labeled DUP-2 was also collected for laboratory analysis. Duplicate 4 was analyzed for VOCs, SVOCs, and RCRA metals. Results were discussed earlier in this section.

A trip blank accompanied the groundwater samples during shipment to the laboratory. The trip blank was analyzed for VOCs and none were detected.

2.4 Vapor Intrusion

All groundwater samples were screened against the Georgia MCLs. As noted in Section 2.3, no compounds exceeded the MCLs indicating that vapor intrusion is not likely to be a concern.

2.5 Investigation Derived Waste

Investigation derived waste (IDW), including purge and decon water, soil cuttings, and plastic waste was placed into 55-gallon steel drums. On April 5, 2011, Greenleaf Environmental Services, LLC picked up 11 total drums for shipment and disposal off-site. Waste disposal manifests are included in Appendix D.

3.0 Data Review, Verification, and Validation

In accordance with the Generic QAPP and QAPP Addendum, the field and laboratory analytical data were subjected to review, verification, and validation to ensure that the quality and validity of the data were acceptable for the stated Data Quality Objectives. The laboratory quality assurance data are provided in the laboratory analytical reports in Appendix C. The field data review was conducted by Joselyn Harriger of H&H based upon a review of the field log book and discussions with field personnel.

The following is a summary of the data review, verification, and validation:

Field Data

- The proper laboratory analyses were requested for each sample.
- Soil boring SB-14 was added to assess an anomaly detected during the geophysical survey in the reported buried brick debris area.
- The geophysical survey did not indicate a UST in the area previously suspected to contain the Minge Construction UST. According to a former Minge Construction employee, the only activities conducted by Minge Construction at the subject site were concrete mixing and dumping of waste concrete. This employee also pointed to the location of a former gasoline dispenser on the adjacent Norfolk Southern property. He did not recall Minge Construction operating fueling activities at the subject site and believed they were located on the adjacent Norfolk Southern property. Therefore, SB-15 (completed as MW-4) was advanced on the subject site to be downgradient of the former off-site gasoline dispenser.
- Sample chain-of-custody protocols were properly followed.
- The field procedures for decontamination, calibration, etc. were followed in accordance with the Generic QAPP and QAPP Addendum procedures. Field activities were appropriately documented in the field log book.

- Low turbidities below 10 NTU were sought due to metals analyses. However, three of the five wells had turbidities greater than 10 NTU. The turbidities for these three wells only slightly exceeded 10 NTU with the highest at 11.36 NTU. High turbidity can produce falsely high groundwater metals data. No metal concentrations in groundwater exceeded the target levels; therefore, the turbidity did not significantly impact these data.

Laboratory Data

- The requested analyses were performed by the laboratory on each sample.
- All samples were properly preserved.
- The laboratory analyses were conducted within the method holding times.
- The soil and groundwater samples were received at the laboratory in good condition, within the proper temperature range, and were properly preserved.
- The analytical results for the duplicate samples indicated generally good repeatability in the laboratory analysis, with the exception of OCPs in soil sample SB-6 (0-2) ft (See Section 2.2).
- Matrix spike and matrix spike duplicate (or percent recovery), laboratory control spikes, and surrogate recoveries were reported in several instances to be outside of the acceptable range. These results were suspected to be caused by sample matrix interferences. Any location where a failure was identified is noted and described in the case narrative of the analytical data reports (Appendix C).

The conclusions of the data review are that field and laboratory data generally meet QA objectives and are usable for the intended purpose.

4.0 Conclusions and Recommendations

Based on Phase II soil and groundwater site assessment findings, H&H is providing the following conclusions and recommendations:

- No VOCs, SVOCs, or metals were detected above their respective Notification Concentration, in soil sampled at the former Rome Oil Mill, except for an initial PAH detection as described below.

- No VOCs, SVOCs, or metals were detected above their respective maximum contaminant levels (MCLs) in groundwater sampled at the former Rome Oil Mill.

- Benzo(a)pyrene was detected at a concentration slightly above its Notification Concentration in the SB-5 (2-4 ft) sample. H&H collected a confirmation sample immediately adjacent to the SB-5 (2-4 ft) sample location at the same interval which did not identify benzo(a)pyrene above laboratory reporting limits. H&H believes the confirmation sample to be a better representation of the subsurface conditions because additional soil volume enabled better homogenization. The data has shown that benzo(a)pyrene is not a concern in this area. No other VOCs, SVOCs, metals, or pesticides were detected above their respective Notification Concentrations in soil samples collected during Phase II Assessment of the former Rome Oil Mill.

- Based on former employee statements, it is no longer believed that Minge Construction operated fueling activities with a UST or AST at the site. These operations are believed to have been conducted on the adjacent Norfolk Southern properties immediately east of the subject site. No impacts to the subject site have occurred above Georgia Notification Concentrations as a result of the former off-site fueling operations.

- Based on results of groundwater sampling at five site monitoring wells, vapor intrusion does not appear to be a concern at the site.

H&H has the following recommendations regarding the former Rome Oil Mill site:

- GA EPD Regulation 391-3-19.04 requires that EPD be notified when any regulated substance causes the concentration in groundwater to exceed the naturally occurring background concentration. Although concentrations are below MCLs, VOCs were detected in groundwater. Therefore, H&H recommends the property owner submit to EPD the appropriate notification forms for the detections in groundwater for EPD review.

Table 1
Monitoring Well Construction Data Summary
Former Rome Oil Mill
Rome, Georgia
H&H Job No. ROM-001

Well ID	TOC Elevation	Date Installed	Total Depth (ft)	Screen Length (ft)	Approximate Screened Interval (ft)	Depth to Water from TOC (ft)	GW Elevation (ft) January 14, 2011
MW-1	599.48	01/10/11	10	5	5-10	6.69	592.79
MW-2	600.96	01/10/11	14	10	4-14	6.83	594.13
MW-3	598.11	1/11/2011	14	10	4-14	3.28	594.83
MW-4	599.50	1/11/2011	13	10	3-13	2.83	596.67
MW-5	599.80	1/12/2011	14	10	4-14	7.65	592.15

Notes:

TOC = Top of Casing Elevation

Table 2 (Page 1 of Page 2)
Summary of Soil Analytical Results
Former Rome Oil Mill
Rome, Georgia
H&H Job No. ROM-001

Sample Location/Purpose	Former Fertilizer Building		Sanborn Identified Gasoline Tank	Former Machine Shop and Settling Tanks				Former Linter Room	Reported Buried Brick Debris/Former Cotton Seed Oil Tanks			Screening Criteria		
Sample ID	SB-1	SB-1	SB-2	SB-3	SB-3 Duplicate 1	SB-3	SB-3 Duplicate 2	SB-4	SB-5	SB-5	SB-5	HSRA NCs[1]	Background Metals[2]	
Date Collected	1/10/2011	1/10/2011	1/10/2011	1/10/2011	1/10/2011	1/10/2011	1/10/2011	1/11/2011	1/10/2011	1/10/2011	4/5/2011		Mean	Range
Depth (ft bgs)	(3-4')	(6-8')	(0-2')	(2-4')	(2-4')	(4-6')	(4-6')	(0-2')	(0-2')	(2-4')	(2-4')		mg/kg	mg/kg
VOCs by EPA Method 8260B (mg/kg)														
2-Butanone	0.0285	0.0140	0.0534	0.0133	0.0167	<0.0113	NA	0.0164	0.0840	<0.0111	NA	0.79	NS	NS
Acetone	0.171	0.0876	0.354	0.0676	0.102	0.340	NA	0.136	0.486	0.113	NA	2.74	NS	NS
Methyl Acetate	<0.0107	<0.0101	<0.0105	<0.0111	<0.0121	0.0114	NA	<0.00886	<0.0121	<0.0111	NA	NS	NS	NS
Methylene chloride	<0.00535	<0.00506	<0.00527	<0.00555	<0.00603	<0.00565	NA	<0.00443	<0.00603	<0.00556	NA	0.08	NS	NS
Tetrachloroethene	<0.00535	<0.00506	0.0214	<0.00555	<0.00603	<0.00565	NA	<0.00443	<0.00603	<0.00556	NA	0.18	NS	NS
BTEX Only by EPA Method 8260B (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	--	--
SVOCs or PAHs by EPA Method 8270C (mg/kg)														
1-Methylnaphthalene	NA	NA	NA	NA	NA	<0.431	<0.426	NA	NA	0.433	0.518	NS	NS	NS
2-Methylnaphthalene	<0.410	<0.403	<0.383	<0.401	<0.403	<0.431	<0.426	<0.390	<0.437	0.624	0.750	NS	NS	NS
Benzo(a)anthracene	<0.410	<0.403	<0.383	<0.401	<0.403	<0.431	<0.426	<0.390	<0.437	1.52	<0.444	5	NS	NS
Benzo(a)pyrene	<0.410	<0.403	<0.383	<0.401	<0.403	<0.431	<0.426	<0.390	<0.437	**1.76**	<0.444	1.64	NS	NS
Benzo(b)fluoranthene	<0.410	<0.403	<0.383	<0.401	<0.403	<0.431	<0.426	<0.390	0.446	3.61	0.934	5	NS	NS
Benzo(g,h,i)perylene	<0.410	<0.403	<0.383	<0.401	<0.403	<0.431	<0.426	<0.390	<0.437	0.604	<0.444	500	NS	NS
Benzo(k)fluoranthene	<0.410	<0.403	<0.383	<0.401	<0.403	<0.431	<0.426	<0.390	<0.437	1.24	<0.444	5	NS	NS
Chrysene	<0.410	<0.403	<0.383	<0.401	<0.403	<0.431	<0.426	<0.390	<0.437	1.61	0.458	5	NS	NS
Fluoranthene	<0.410	<0.403	<0.383	<0.401	<0.403	<0.431	<0.426	<0.390	<0.437	1.63	<0.444	500	NS	NS
Indeno(1,2,3-cd)pyrene	<0.410	<0.403	<0.383	<0.401	<0.403	<0.431	<0.426	<0.390	<0.437	0.685	<0.444	5	NS	NS
Naphthalene	<0.410	<0.403	<0.383	<0.401	<0.403	<0.431	<0.426	<0.390	<0.437	0.441	0.532	100	NS	NS
Phenanthrene	<0.410	<0.403	<0.383	<0.401	<0.403	<0.431	<0.426	<0.390	<0.437	<0.378	<0.444	110	NS	NS
Pyrene	<0.410	<0.403	<0.383	<0.401	<0.403	<0.431	<0.426	<0.390	<0.437	2.61	0.561	500	NS	NS
Metals by EPA Methods 6010C/7471B[3] (mg/kg)														
Arsenic	12.8	16.8	5.81	6.31	6.89	23.0	NA	5.20	20.8	34.0	NA	41	5	0.3-29
Barium	66.2	84.0	120	48.0	23.3	302	NA	63.7	275	454	NA	500/BG	251	15- 700
Cadmium	<1.25	<1.20	<1.20	<1.34	<1.19	<1.32	NA	<1.21	<1.22	<1.20	NA	39	4.3	1.0-10
Chromium	32.9	71.9	18.7	15.8	22.6	22.9	NA	23.7	20.9	14.8	NA	1,200	37	5-100
Lead	30.6	81.4	17.4	28.9	29.6	75.9	NA	20.2	68.3	61.8	NA	400	21	0- 300
Mercury	0.0887	0.0987	0.0499	<0.0377	<0.0358	0.0425	NA	0.0875	0.0736	0.104	NA	17	0.143	0.02-1.00
OCPs by EPA Method 8081A (µg/kg)														
4,4'-DDE	<0.832	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	660	NS	NS
4,4'-DDT	<0.832	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	660	NS	NS
Dieldrin	<0.832	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	660	NS	NS
Endosulfan II	<0.832	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10,000	NS	NS
Methoxychlor	<0.832	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10,000	NS	NS
OPPs by EPA Method 8141 (µg/kg)	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	--	--	--

Notes:
1) HSRA NC = Georgia Hazardous Site Response Act Notification Concentration;
2) Dragun, James Ph.D. and Kaled Chekiri, Ph.D. *Elements in North American Soils* , Second Edition. Amherst Scientific Publishers, 2005.
Concentrations selected were for Georgia soils with the exception of cadmium (soils of southeastern US)
3) Mercury analyzed by EPA Method 7471B
Only those compounds detected in at least one sample shown above
Bold indicates an exceedance of the notification concentration
Method number follows parameter in parenthesis
VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds
PAHs = Polynuclear Aromatic Hydrocarbons
OCPs= Organochlorine Pesticides; OPPs = Organophosphorus Pesticides
NS = screening criteria not specified; NA = not analyzed
-- = Not applicable; BG = Background
ND = Constituent not detected at or above laboratory reporting limit
mg/kg = milligrams per kilogram; µg/kg = micrograms per kilogram

Table 2 (Page 2 of Page 2)
Summary of Soil Analytical Results
Former Rome Oil Mill
Rome, Georgia
H&H Job No. ROM-001

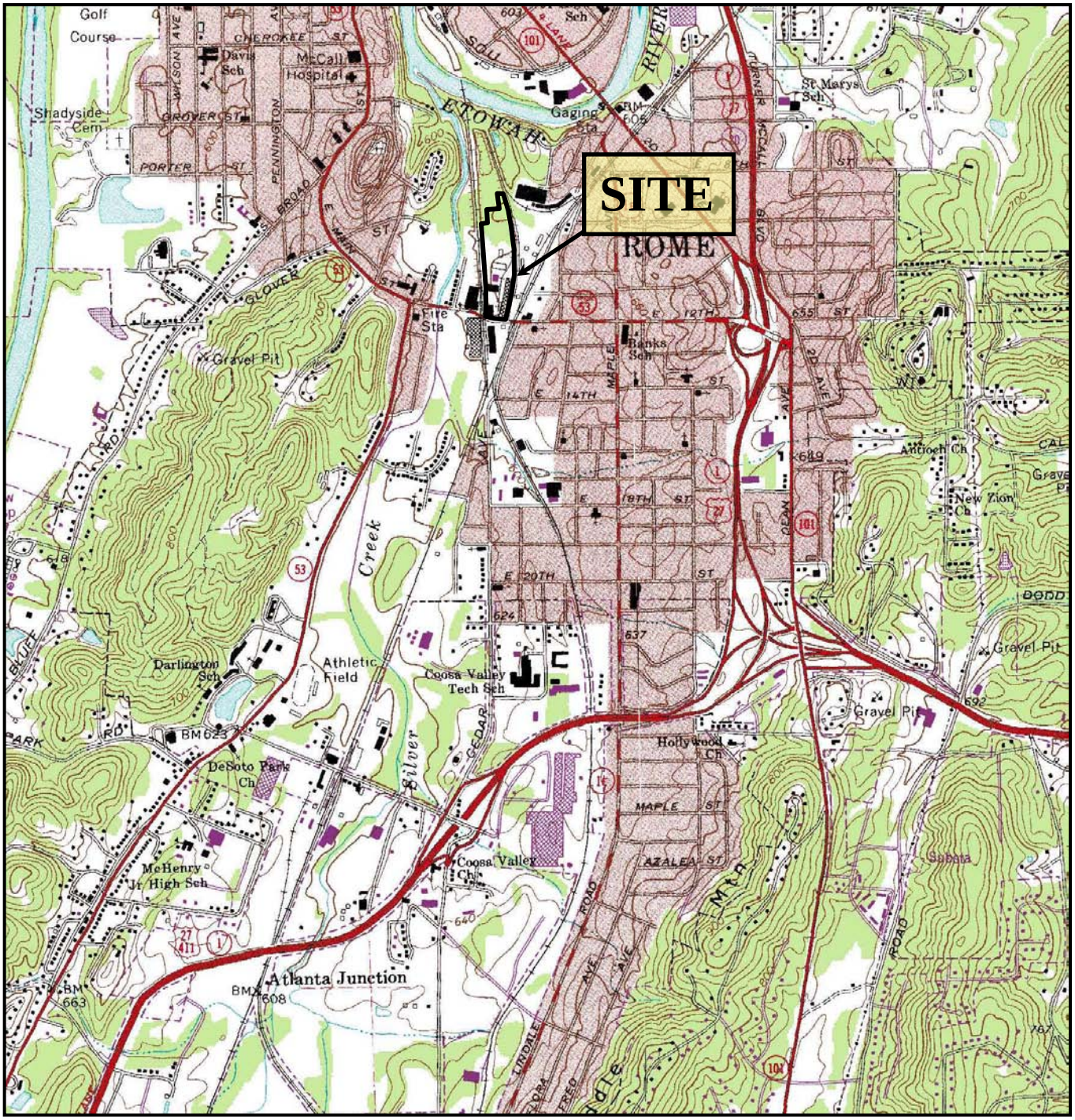
Sample Location/Purpose	Former Seed House			Loading Dock/Disturbed Area in 1943 Aerial			Former Cotton Seed Bin	Wooded Debris Area				Former Off-site Minge Construction Gasoline USTs and Dispenser		Screening Criteria		
Sample ID	SB-6	SB-6 Duplicate 3	SB-6	SB-7	SB-7	SB-8	SB-9	SB-11	SB-11	SB-12	SB-13	SB-15	SB-15	HSRA NCs [1]	Background Metals [3]	
Date Collected	1/11/2011	1/11/2011	1/11/2011	1/12/2011	1/12/2011	1/12/2011	1/11/2011	1/12/2011	1/12/2011	1/12/2011	1/12/2011	1/11/2011	1/11/2011		Mean	Range
Depth (ft bgs)	(0-2')	(0-2')	(2-4')	(0-2')	(8-10')	(0-2')	(0-2')	(0-2')	(2-4')	(4-6)	(0-2')	(0-2')	(2-4)		mg/kg	mg/kg
VOCs by EPA Method 8260B (mg/kg)																
2-Butanone	0.0263	0.0152	0.0423	0.0433	<0.0111	0.0862	0.0410	<0.0126	0.0119	<0.00906	0.0296	<0.0107	NA	0.79	NS	NS
Acetone	0.189	0.122	0.321	0.295	<0.0556	0.648	0.298	0.0922	0.0712	<0.0453	0.215	<0.0534	NA	2.74	NS	NS
Methyl Acetate	<0.0136	<0.0124	<0.00938	<0.00985	<0.0111	<0.0101	<0.0100	<0.0126	<0.0105	<0.00906	<0.0117	<0.0107	NA	NS	NS	NS
Methylene chloride	<0.00679	<0.00619	<0.00469	0.0265	<0.00556	<0.00506	<0.00502	<0.00630	<0.00527	<0.00453	<0.00585	<0.00534	NA	0.08	NS	NS
Tetrachloroethene	<0.00679	<0.00619	<0.00469	<0.00492	<0.00556	<0.00506	<0.00502	<0.00630	<0.00527	<0.00453	<0.00585	<0.00534	NA	0.18	NS	NS
BTEX Only by EPA Method 8260B (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	--	--	--
SVOCs or PAHs by EPA Method 8270C (mg/kg)																
1-Methylnaphthalene	NA	NA	<0.420	NA	<0.435	NA	NA	NA	NA	NA	NA	NA	<0.411	NS	NS	NS
2-Methylnaphthalene	<0.441	<0.397	<0.420	<0.417	<0.435	<0.422	<0.445	<0.444	<0.402	<0.408	<3.94	<0.369	<0.411	NS	NS	NS
Benzo(a)anthracene	1.34	0.650	0.993	<0.417	<0.435	<0.422	<0.445	<0.444	<0.402	<0.408	<3.94	<0.369	<0.411	5	NS	NS
Benzo(a)pyrene	1.46	0.720	1.03	<0.417	<0.435	<0.422	<0.445	<0.444	<0.402	<0.408	<3.94	<0.369	<0.411	1.64	NS	NS
Benzo(b)fluoranthene	1.97	1.11	1.38	<0.417	<0.435	<0.422	<0.445	<0.444	<0.402	<0.408	<3.94	<0.369	<0.411	5	NS	NS
Benzo(g,h,i)perylene	0.687	<0.397	0.613	<0.417	<0.435	<0.422	<0.445	<0.444	<0.402	<0.408	<3.94	<0.369	<0.411	500	NS	NS
Benzo(k)fluoranthene	0.869	<0.397	0.549	<0.417	<0.435	<0.422	<0.445	<0.444	<0.402	<0.408	<3.94	<0.369	<0.411	5	NS	NS
Chrysene	1.26	0.619	0.829	<0.417	<0.435	<0.422	<0.445	<0.444	<0.402	<0.408	<3.94	<0.369	<0.411	5	NS	NS
Fluoranthene	2.63	1.27	1.70	<0.417	<0.435	<0.422	<0.445	<0.444	<0.402	<0.408	5.53	<0.369	<0.411	500	NS	NS
Indeno(1,2,3-cd)pyrene	0.593	<0.397	0.468	<0.417	<0.435	<0.422	<0.445	<0.444	<0.402	<0.408	<3.94	<0.369	<0.411	5	NS	NS
Naphthalene	<0.441	<0.397	<0.420	<0.417	<0.435	<0.422	<0.445	<0.444	<0.402	<0.408	<3.94	<0.369	<0.411	100	NS	NS
Phenanthrene	1.41	0.504	0.641	<0.417	<0.435	<0.422	<0.445	<0.444	<0.402	<0.408	5.14	<0.369	<0.411	110	NS	NS
Pyrene	3.07	1.40	1.90	<0.417	<0.435	<0.422	<0.445	<0.444	<0.402	<0.408	5.32	<0.369	<0.411	500	NS	NS
Metals by EPA Methods 6010C/7471B [3] (mg/kg)																
Arsenic	12.1	4.87	12.0	13.1	6.64	14.0	10.6	10.0	10.7	11.2	25.7	11.9	NA	41	5	0.3-29
Barium	86.8	126	158	122	24.0	154	220	77.2	80.2	119	287	124	NA	500/BG	251	15- 700
Cadmium	<1.35	<1.11	<1.24	<1.32	<1.36	<1.35	<1.23	<1.34	<1.17	<1.19	1.39	<1.16	NA	39	4.3	1.0-10
Chromium	29.7	25.0	36.3	29.2	8.86	33.6	41.5	15.1	26.4	38.0	20.6	12.3	NA	1,200	37	5-100
Lead	32.4	28.3	48.1	21.9	5.52	41.4	85.9	23.1	83.5	93.1	266	18.3	9.63	400	21	0- 300
Mercury	0.0542	0.0837	0.0722	0.0434	<0.0435	0.0616	0.0838	<0.0386	0.0494	0.130	0.221	<0.0330	NA	17	0.143	0.02-1.00
OCPs by EPA Method 8081A (µg/kg)																
4,4'-DDE	<0.901	<0.807	NA	NA	NA	1.59	<0.897	NA	NA	NA	NA	NA	NA	660	NS	NS
4,4'-DDT	<0.901	<0.807	NA	NA	NA	2.65	<0.897	NA	NA	NA	NA	NA	NA	660	NS	NS
Dieldrin	<0.901	<0.807	NA	NA	NA	5.56	<0.897	NA	NA	NA	NA	NA	NA	660	NS	NS
Endosulfan II	1.04	<0.807	NA	NA	NA	<0.841	<0.897	NA	NA	NA	NA	NA	NA	10,000	NS	NS
Methoxychlor	4.15	<0.807	NA	NA	NA	4.02	<0.897	NA	NA	NA	NA	NA	NA	10,000	NS	NS
OPPs by EPA Method 8141 (µg/kg)	ND	ND	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	--	--	--

Notes:
1) HSRA NC = Georgia Hazardous Site Response Act Notification Concentration;
2) Dragun, James Ph.D. and Kaled Chekiri, Ph.D. *Elements in North American Soils*, Second Edition. Amherst Scientific Publishers, 2005.
Concentrations selected were for Georgia soils with the exception of cadmium (soils of southeastern US)
3) Mercury analyzed by EPA Method 7471B
Only those compounds detected in at least one sample shown above
Bold indicates an exceedance of the notification concentration
Method number follows parameter in parenthesis
VOCs = volatile organic compounds; SVOCs = semi-volatile organic compounds
PAHs = Polynuclear Aromatic Hydrocarbons
OCPs= Organochlorine Pesticides; OPPs = Organophosphorus Pesticides
NS = screening criteria not specified; NA = not analyzed
-- = Not applicable; BG = Background
ND = Constituent not detected at or above laboratory reporting limit
mg/kg = milligrams per kilogram; µg/kg = micrograms per kilogram

Table 3
Summary of Groundwater Analytical Data
Former Rome Oil Mill
Rome, Georgia
H&H Job No. ROM-001

Sample Location/Purpose	Sanborn Identified Gasoline Tank	Former Machine Shop and Settling Tank		Former Cotton Seed Bin	Former Off-site Minge Construction UST and Dispenser	Wooded Debris Area	Screening Criteria	
Sample ID	MW-1	MW-2	MW-2 Duplicate 4	MW-3	MW-4	MW-5	EPD Table 1 Groundwater Criteria[1]	EPD MCLs [2]
Sample Date	1/14/2011	1/14/2011	1/14/2011	1/14/2011	1/14/2011	1/14/2011		
VOCs by EPA Method 8260B (µg/l)								
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	24.2	4,000	NS
Benzene	<1.00	<1.00	<1.00	<1.00	<1.00	4.71	5	5
Chloroform	<1.00	<1.00	<1.00	1.52	<1.00	<1.00	80	80
Naphthalene	<1.00	<1.00	<1.00	<1.00	<1.00	1.36	20	NS
Tetrachloroethene	4.22	<1.00	<1.00	<1.00	<1.00	<1.00	5	5
Toluene	<1.00	<1.00	<1.00	<1.00	<1.00	1.17	1,000	1,000
SVOCs by EPA Method 8270C (µg/l)	ND	ND	ND	ND	ND	ND	--	--
RCRA Metals by EPA Method 6010C/7471 (µg/l)								
Barium	62.5	349	353	<40.0	77.8	44.5	2,000	2,000

Table Notes:
1) Environmental Protection Division (EPD) Appendix 3 Media Target Concentrations and Standardized Exposure Assumptions. Table 1. Groundwater Criteria (EPD Regulations Chapter 391-3-19)
2) EPD Primary Maximum Contaminant Levels for Drinking Water (EPD Regulations Chapter 391-3-05-0.18)
Only compounds detected in at least one sample shown. Refer to Appendix B for full list of analytes.
Bold value indicates that the analyte concentration exceeds the EPD MCL
VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
ND = Not detected above the laboratory reporting limit
-- = Not applicable; NS = not specified



N

APPROXIMATE

0 2000 4000

SCALE IN FEET

U.S.G.S. QUADRANGLE MAP

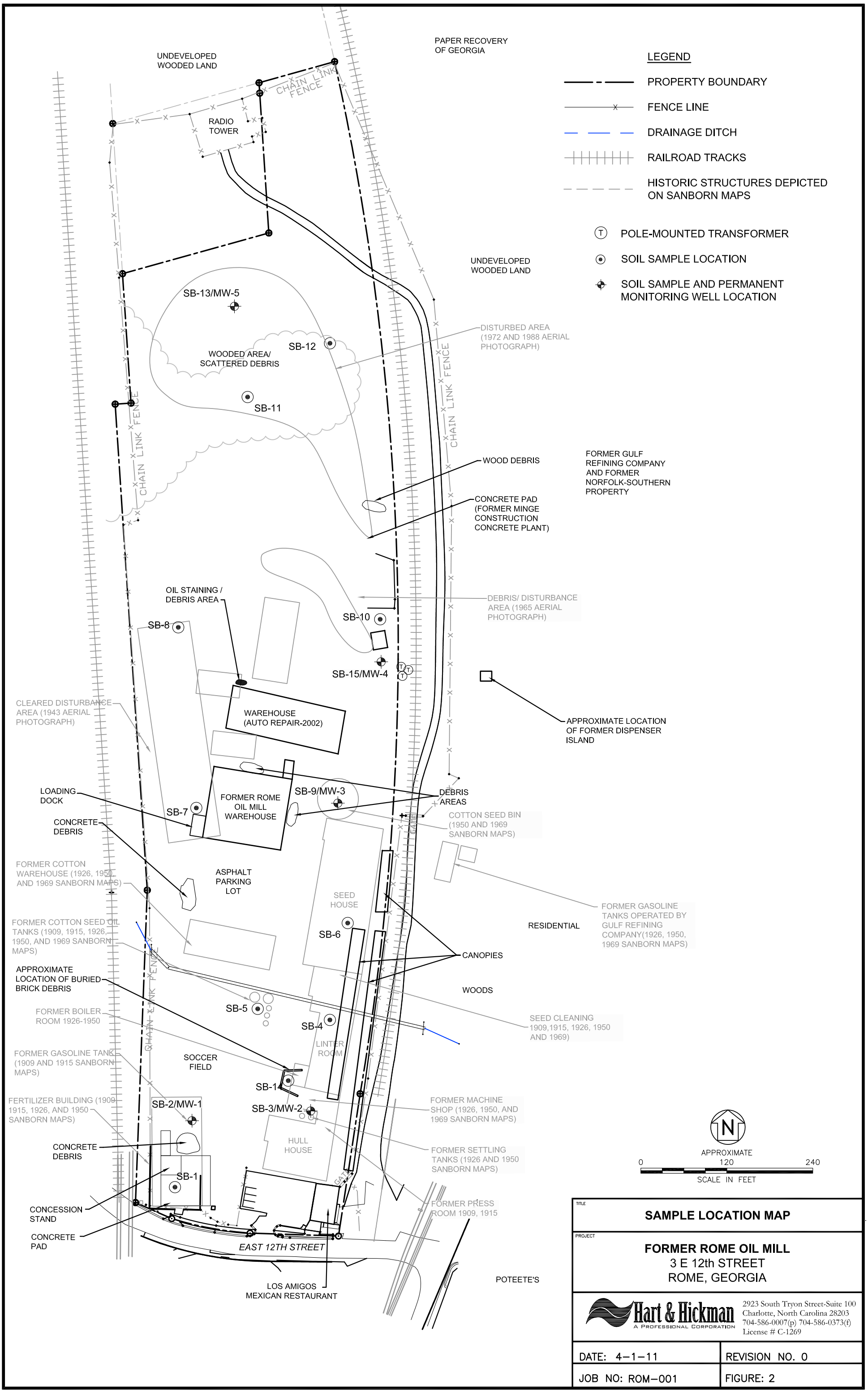
ROME SOUTH, GA 1968
REVISED/INSPECTED 1985

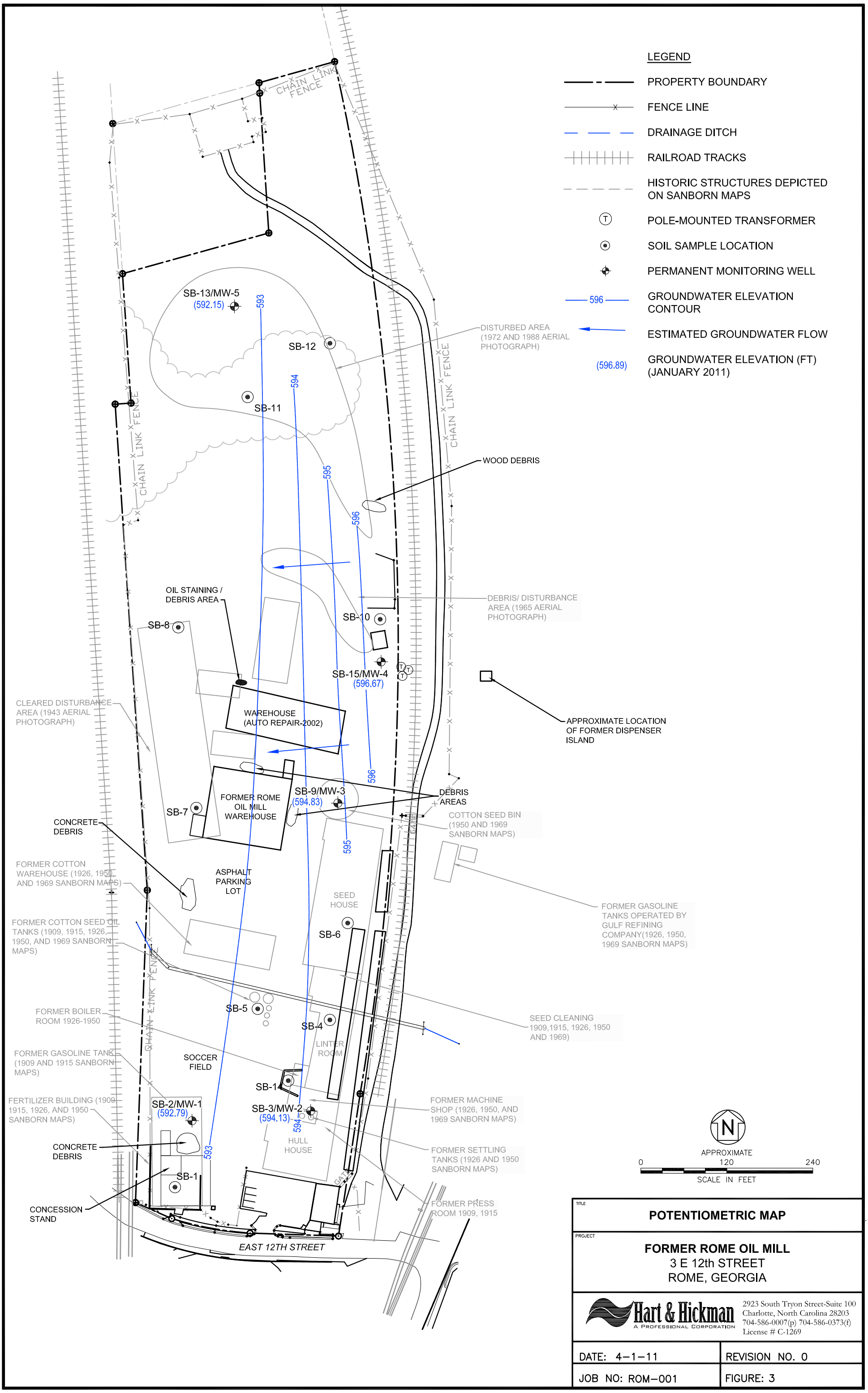
QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

TITLE	SITE LOCATION MAP
PROJECT	FORMER ROME OIL MILL ROME, GEORGIA

Hart & Hickman
A Professional Corporation
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007 (p) 704-586-0373 (f)

DATE:	10-18-2010	REVISION NO:	0
JOB NO:	ROM-001	FIGURE NO:	1


LEGEND
PROPERTY BOUNDARY
FENCE LINE
DRAINAGE DITCH
RAILROAD TRACKS
HISTORIC STRUCTURES DEPICTED ON SANBORN MAPS
POLE-MOUNTED TRANSFORMER
SOIL SAMPLE LOCATION
SOIL SAMPLE AND PERMANENT MONITORING WELL LOCATION
UNDEVELOPED WOODED LAND
PAPER RECOVERY OF GEORGIA
CHAIN LINK FENCE
RADIO TOWER
UNDEVELOPED WOODED LAND
SB-13/MW-5
SB-12
WOODED AREA/ SCATTERED DEBRIS
SB-11
DISTURBED AREA (1972 AND 1988 AERIAL PHOTOGRAPH)
WOOD DEBRIS
FORMER GULF REFINING COMPANY AND FORMER NORFOLK-SOUTHERN PROPERTY
CONCRETE PAD (FORMER MINGE CONSTRUCTION CONCRETE PLANT)
OIL STAINING / DEBRIS AREA
DEBRIS/ DISTURBANCE AREA (1965 AERIAL PHOTOGRAPH)
SB-10
SB-8
SB-15/MW-4
CLEARED DISTURBANCE AREA (1943 AERIAL PHOTOGRAPH)
WAREHOUSE (AUTO REPAIR-2002)
APPROXIMATE LOCATION OF FORMER DISPENSER ISLAND
LOADING DOCK
FORMER ROME OIL MILL WAREHOUSE
SB-9/MW-3
DEBRIS AREAS
SB-7
CONCRETE DEBRIS
COTTON SEED BIN (1950 AND 1969 SANBORN MAPS)
FORMER COTTON WAREHOUSE (1926, 1950, AND 1969 SANBORN MAPS)
ASPHALT PARKING LOT
SEED HOUSE
FORMER GASOLINE TANKS OPERATED BY GULF REFINING COMPANY(1926, 1950, 1969 SANBORN MAPS)
RESIDENTIAL
SB-6
FORMER COTTON SEED OIL TANKS (1909, 1915, 1926, 1950, AND 1969 SANBORN MAPS)
CANOPIES
APPROXIMATE LOCATION OF BURIED BRICK DEBRIS
WOODS
SB-5
FORMER BOILER ROOM 1926-1950
SB-4
SEED CLEANING 1909,1915, 1926, 1950 AND 1969)
LINTER ROOM
FORMER GASOLINE TANK (1909 AND 1915 SANBORN MAPS)
SOCCER FIELD
SB-14
FERTILIZER BUILDING (1909, 1915, 1926, AND 1950 SANBORN MAPS)
SB-2/MW-1
SB-3/MW-2
FORMER MACHINE SHOP (1926, 1950, AND 1969 SANBORN MAPS)
HULL HOUSE
CONCRETE DEBRIS
FORMER SETTLING TANKS (1926 AND 1950 SANBORN MAPS)
SB-1
CONCESSION STAND
FORMER PRESS ROOM 1909, 1915
CONCRETE PAD
EAST 12TH STREET
LOS AMIGOS MEXICAN RESTAURANT
POTEETE'S
N
APPROXIMATE
0 120 240
SCALE IN FEET
TITLE
SAMPLE LOCATION MAP
PROJECT
FORMER ROME OIL MILL
3 E 12th STREET
ROME, GEORGIA
Hart & Hickman
A PROFESSIONAL CORPORATION
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
License # C-1269
DATE: 4-1-11
REVISION NO. 0
JOB NO: ROM-001
FIGURE: 2



TITLE

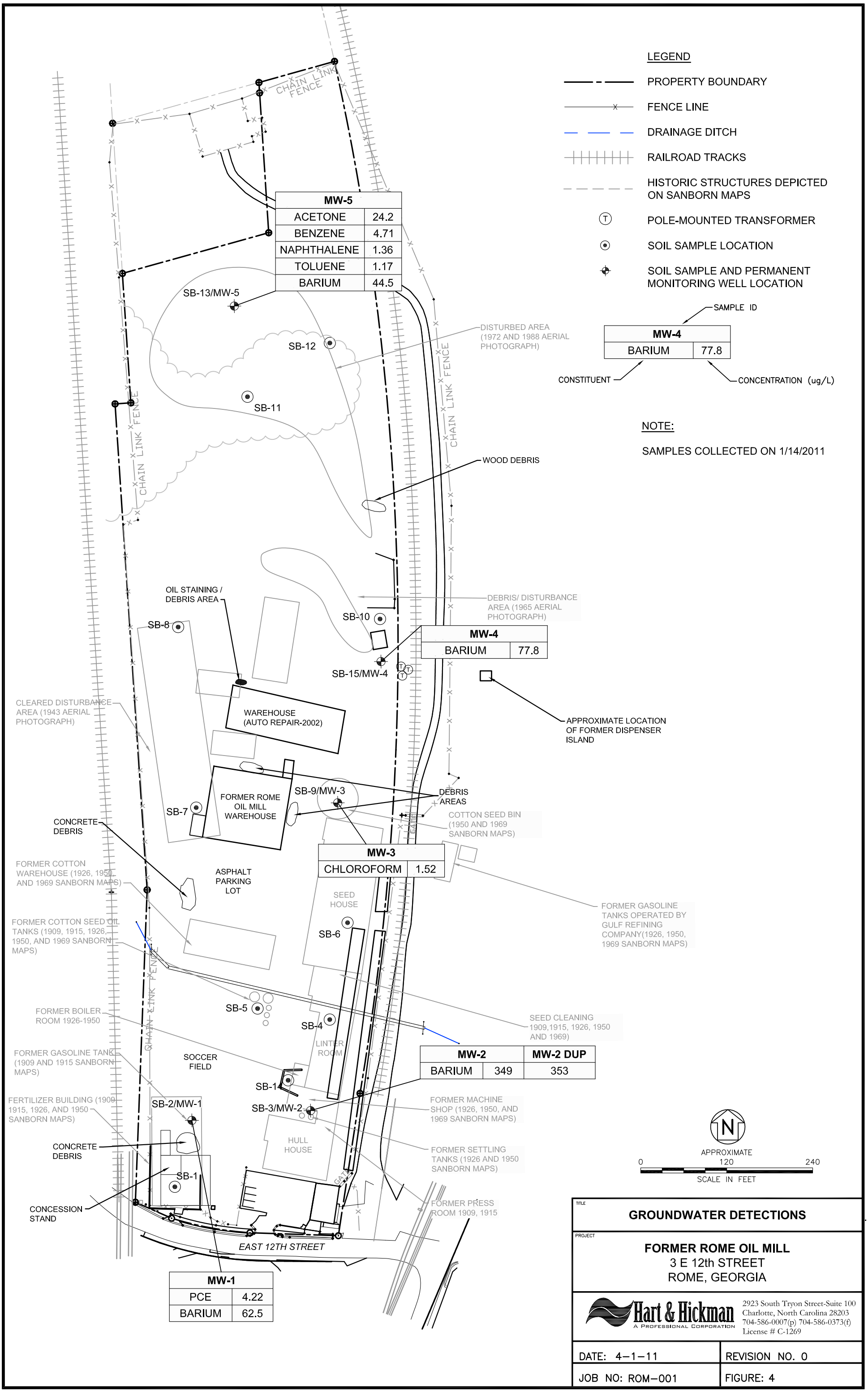
POTENTIOMETRIC MAP

PROJECT

FORMER ROME OIL MILL
3 E 12th STREET
ROME, GEORGIA

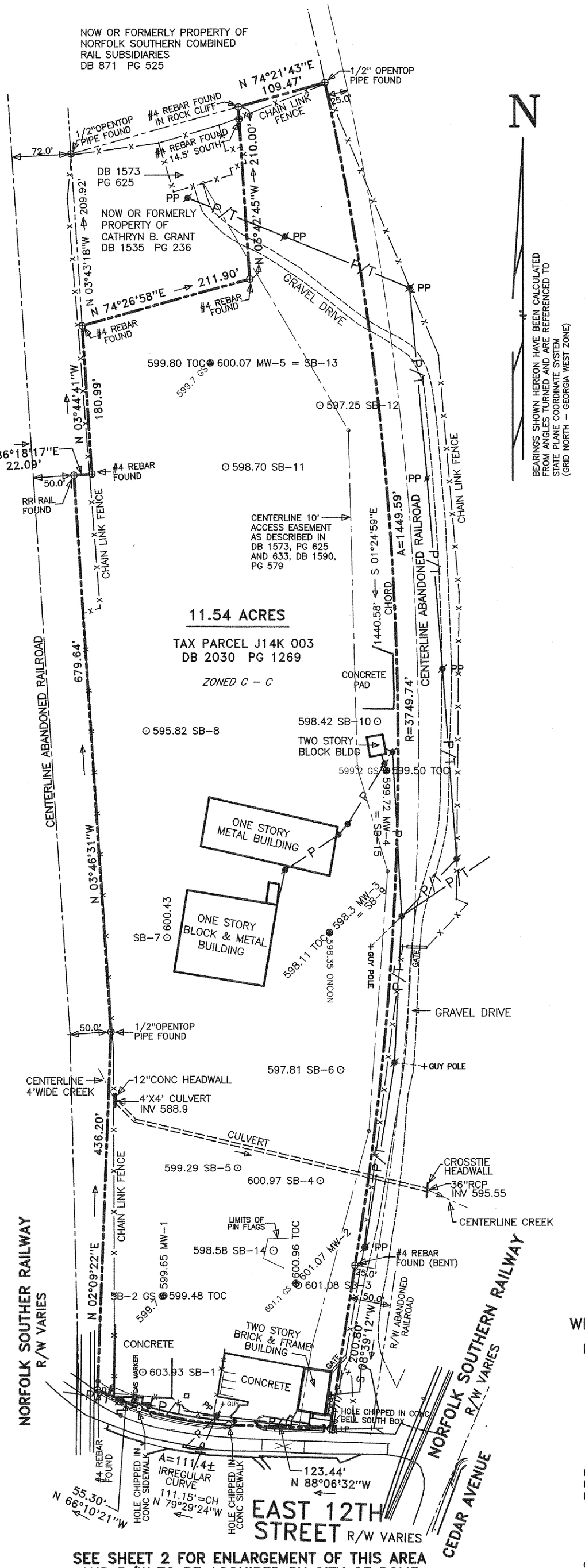
Hart & Hickman
A Professional Corporation
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
License # C-1269

DATE: 4–1–11	REVISION NO. 0
JOB NO: ROM–001	FIGURE: 3


LEGEND
PROPERTY BOUNDARY
FENCE LINE
DRAINAGE DITCH
RAILROAD TRACKS
HISTORIC STRUCTURES DEPICTED ON SANBORN MAPS
POLE-MOUNTED TRANSFORMER
SOIL SAMPLE LOCATION
SOIL SAMPLE AND PERMANENT MONITORING WELL LOCATION
SAMPLE ID
MW-4
BARIUM 77.8
CONSTITUENT
CONCENTRATION (ug/L)
NOTE:
SAMPLES COLLECTED ON 1/14/2011
MW-5
ACETONE 24.2
BENZENE 4.71
NAPHTHALENE 1.36
TOLUENE 1.17
BARIUM 44.5
SB-13/MW-5
SB-12
SB-11
DISTURBED AREA (1972 AND 1988 AERIAL PHOTOGRAPH)
WOOD DEBRIS
CHAIN LINK FENCE
OIL STAINING / DEBRIS AREA
SB-8
SB-10
DEBRIS/ DISTURBANCE AREA (1965 AERIAL PHOTOGRAPH)
MW-4
BARIUM 77.8
SB-15/MW-4
CLEARED DISTURBANCE AREA (1943 AERIAL PHOTOGRAPH)
WAREHOUSE (AUTO REPAIR-2002)
APPROXIMATE LOCATION OF FORMER DISPENSER ISLAND
FORMER ROME OIL MILL WAREHOUSE
SB-7
SB-9/MW-3
DEBRIS AREAS
COTTON SEED BIN (1950 AND 1969 SANBORN MAPS)
CONCRETE DEBRIS
MW-3
CHLOROFORM 1.52
FORMER COTTON WAREHOUSE (1926, 1950, AND 1969 SANBORN MAPS)
ASPHALT PARKING LOT
SEED HOUSE
SB-6
FORMER GASOLINE TANKS OPERATED BY GULF REFINING COMPANY(1926, 1950, 1969 SANBORN MAPS)
FORMER COTTON SEED OIL TANKS (1909, 1915, 1926, 1950, AND 1969 SANBORN MAPS)
SB-5
SB-4
FORMER BOILER ROOM 1926-1950
SEED CLEANING 1909,1915, 1926, 1950 AND 1969)
LINTER ROOM
FORMER GASOLINE TANK (1909 AND 1915 SANBORN MAPS)
SOCCER FIELD
MW-2 | MW-2 DUP
BARIUM 349 353
SB-14
FERTILIZER BUILDING (1909, 1915, 1926, AND 1950 SANBORN MAPS)
SB-2/MW-1
SB-3/MW-2
FORMER MACHINE SHOP (1926, 1950, AND 1969 SANBORN MAPS)
CONCRETE DEBRIS
HULL HOUSE
FORMER SETTLING TANKS (1926 AND 1950 SANBORN MAPS)
SB-1
CONCESSION STAND
FORMER PRESS ROOM 1909, 1915
EAST 12TH STREET
MW-1
PCE 4.22
BARIUM 62.5
N
APPROXIMATE
0 120 240
SCALE IN FEET
TITLE
GROUNDWATER DETECTIONS
PROJECT
FORMER ROME OIL MILL
3 E 12th STREET
ROME, GEORGIA
Hart & Hickman
A PROFESSIONAL CORPORATION
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
License # C-1269
DATE: 4-1-11
REVISION NO. 0
JOB NO: ROM-001
FIGURE: 4

Appendix A

Property Survey



SEE SHEET 2 FOR ENLARGEMENT OF THIS AREA
AND R/W TO BE ACQUIRED BY CITY OF ROME

N

BEARINGS SHOWN HEREON HAVE BEEN CALCULATED FROM ANGLES TURNED AND ARE REFERENCED TO STATE PLANE COORDINATE SYSTEM (GRID NORTH - GEORGIA WEST ZONE)

SB ⊙ SOIL BORINGS IN PLACE AS OF FEBRUARY 16, 2011

NORTHING	EASTING	ELEVATION	DESCRIPTION
1543167.64	1992525.68	603.93	SB-1
1543260.33	1992549.47	599.69	SB-2 GS
1543273.93	1992715.06	601.08	SB-3
1543400.97	1992741.82	600.97	SB-4
1543416.41	1992641.13	599.29	SB-5
1543536.15	1992766.68	597.81	SB-6
1543696.71	1992555.47	600.43	SB-7
1543948.75	1992530.28	595.82	SB-8
1543959.99	1992811.98	598.42	SB-10
1544270.10	1992627.03	598.70	SB-11
1544345.10	1992741.93	597.25	SB-12
1543315.90	1992684.90	598.58	SB-14

MW ⊗ MONITORING WELLS IN PLACE AS OF FEBRUARY 16, 2011

NORTHING	EASTING	ELEVATION	DESCRIPTION
1543260.84	1992551.41	599.65	MW-1
1543260.86	1992551.52	599.48	TOC (TOP OF CASING)
1543275.86	1992712.05	601.07	MW-2
1543275.83	1992711.91	600.96	TOC
1543703.33	1992753.04	598.29	MW-3 = SB-9
1543703.39	1992752.93	598.11	TOC
1543900.52	1992823.07	599.72	MW-4 = SB-15
1543900.57	1992823.13	599.50	TOC
1544396.62	1992608.66	600.07	MW-5 = SB-13
1544396.60	1992608.59	599.80	TOC

SURVEY FOR

HART & HICKMAN, P.C.

BEING THE FORMER SITE OF ROME OIL MILL
LOCATED IN LAND LOT 285 OF THE 23RD DISTRICT
AND 3RD SECTION OF FLOYD COUNTY, GEORGIA, AND
THE SECOND WARD OF THE CITY OF ROME, GEORGIA

100 0 100 200 300
GRAPHIC SCALE - FEET

REFERENCE PLAT:
SURVEY FOR DAVID LIMON BY HORNE ASSOCIATES,
PLAT FILE 2W-685, PLAT DATE 1/16/2006

A PORTION OF THIS PROPERTY LIES IN AN AREA HAVING SPECIAL FLOOD HAZARDS ACCORDING TO FLOOD INSURANCE RATE MAP FOR FLOYD COUNTY, GEORGIA AND INCORPORATED AREAS, MAP NUMBER 13115C0281E, MAP REVISED SEPT. 9, 2009

THIS SURVEY PLAT IS SUBJECT TO ANY RESTRICTIONS, EASEMENTS OR RIGHTS OF WAY THAT WOULD BE DISCLOSED BY A CURRENT FULL AND ACCURATE TITLE SEARCH.

GEORGIA REGISTERED No. 1498 LAND SURVEYOR ROBERT L. MOSS

MAY 9 2011

THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 11,600 FEET AND AN ANGULAR ERROR OF 4" PER ANGLE POINT, AND WAS ADJUSTED USING LEAST SQUARES.

THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE TO WITHIN ONE FOOT IN 619,000 FEET.

EQUIPMENT USED : TOPCON GPT 6002C W/SINGLE PRISM

WILLIAMS, SWEITZER AND BARNUM, INC.
ENGINEERS * SURVEYORS
2232 REDMOND CIRCLE, N.W.
ROME, GEORGIA 30165-2087
(706) 234-0552
FAX (706) 234-0556

IN MY OPINION THIS PLAT IS A CORRECT REPRESENTATION OF THE LAND PLATTED AND HAS BEEN PREPARED IN CONFORMITY WITH THE MINIMUM STANDARDS AND REQUIREMENTS OF LAW.

GEORGIA REGISTRATION NUMBER 1498

REVISED: MAY 9, 2011
(NO REVISION SHEET 2 OF 2)
REVISED: MARCH 7, 2011
SHEET 1 OF 2
DATE : FEBRUARY 23, 2011
SCALE : 1" = 100'
FILE : 260 C

L:\CAROLL\DATA\ROMEOIL 9868B.* LAYERS 3-31 JCD

EXHIBIT

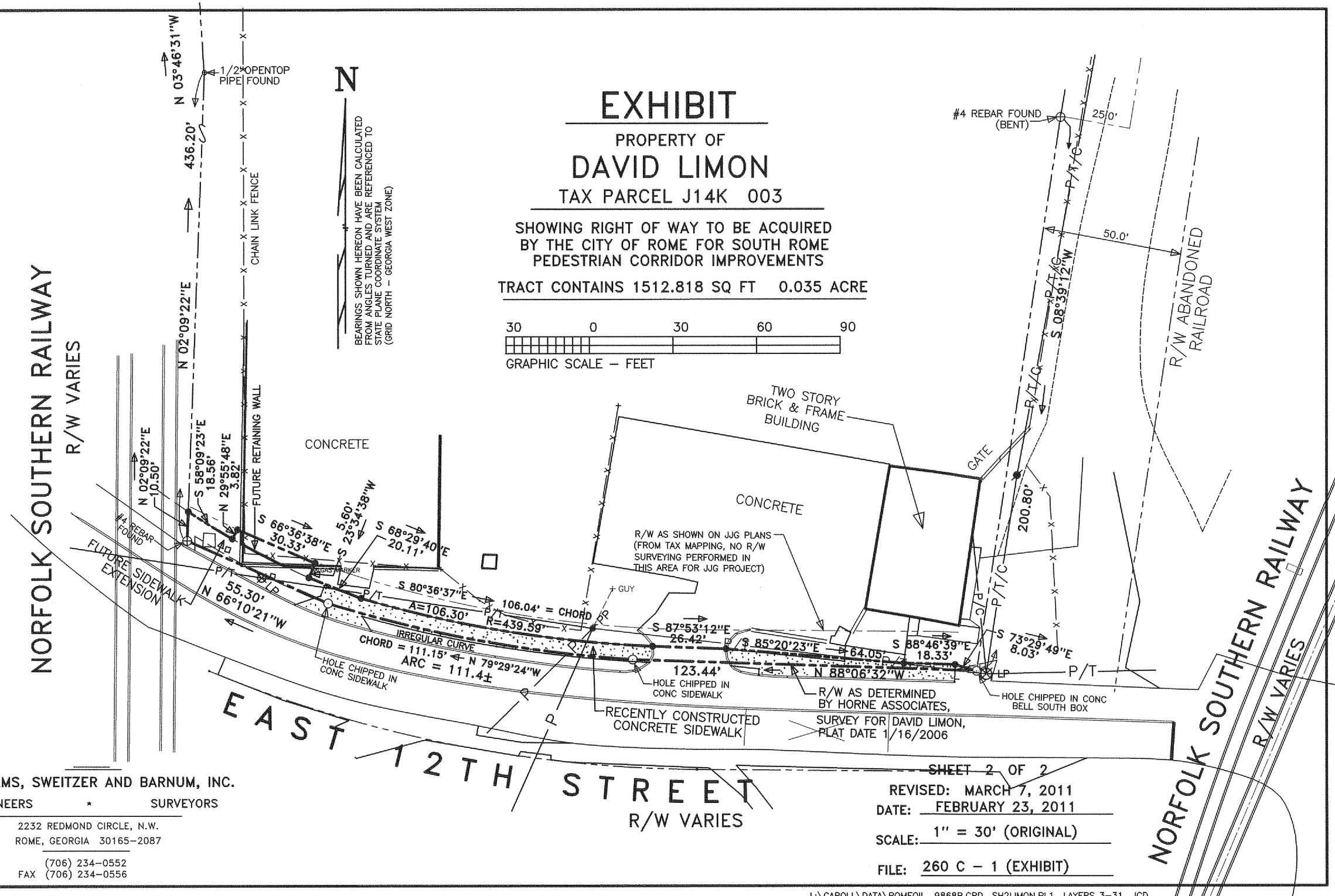
PROPERTY OF

DAVID LIMON

TAX PARCEL J14K 003

SHOWING RIGHT OF WAY TO BE ACQUIRED BY THE CITY OF ROME FOR SOUTH ROME PEDESTRIAN CORRIDOR IMPROVEMENTS

TRACT CONTAINS 1512.818 SQ FT 0.035 ACRE



WILLIAMS, SWEITZER AND BARNUM, INC.

ENGINEERS * SURVEYORS

2232 REDMOND CIRCLE, N.W.
ROME, GEORGIA 30165–2087

(706) 234–0552
FAX (706) 234–0556

SHEET 2 OF 2

REVISED: MARCH 7, 2011

DATE: FEBRUARY 23, 2011

SCALE: 1" = 30' (ORIGINAL)

FILE: 260 C – 1 (EXHIBIT)

L:\CAROLL\DATA\ROMEOIL 9868B.CRD SH2LIMON.PL1 LAYERS 3–31 JCD

Appendix B

Boring Logs and Groundwater Sampling Records

Hart & Hickman
ENVIRONMENTAL CONSULTANTS

2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)

3334 Hillsborough Street
Raleigh, North Carolina 27607
919-847-4241(p) 919-847-4261(f)

BORING NUMBER SB-1

PROJECT: Former Rome Oil Mill
JOB NUMBER: ROM-001
LOCATION: Rome, Georgia

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm) BKG.	OVA (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0						Concrete pad and gravel		0
		GB SB-1 (3-4')	0	0.8		Moist, medium stiff, tan-orange, CLAY		
						Moist, medium stiff, brown, silty CLAY		
5			0	0		Moist, medium stiff, orange-light brown, silty CLAY with black deposits		5
		GB SB-1 (6-8')	0	0				
						Moist, very stiff, tan-orange, CLAY		
			0	0				
10						Moist, very stiff, tan, CLAY with black deposits		10
			0	0				
			0	0		Moist, very stiff, tan CLAY with black deposits and trace quartz		
			0	0				
15						Refusal at 15.0 feet. Bottom of borehole at 15.0 feet.		15

DRILLING CONTRACTOR: AE
DRILL RIG/ METHOD: 6610 DT / DPT
SAMPLING METHOD: DPT Sleeves
LOGGED BY: BDO
DRAWN BY:

BORING STARTED: 1/10/11
BORING COMPLETED: 1/10/11
TOTAL DEPTH: 15 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:

Hart & Hickman
ENVIRONMENTAL CONSULTANTS

2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)

3334 Hillsborough Street
Raleigh, North Carolina 27607
919-847-4241(p) 919-847-4261(f)

BORING NUMBER SB-10

PROJECT: Former Rome Oil Mill
JOB NUMBER: ROM-001
LOCATION: Rome, Georgia

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm) BKG.	OVA (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0.0			0	0		Concrete and gravel		0.0
2.5			0	0		Moist, loose, dark brown, clayey coarse SAND and rock		2.5
5.0			0	0		Saturated, medium stiff, black, CLAY with rounded, black, gravel-sized rock throughout		5.0
7.5			0	0		Saturated, medium stiff, sticky, gray-tan, CLAY with rounded, black, gravel-sized rock throughout		7.5
10.0						Moist, very stiff, yellow-tan, CLAY with black, rounded, gravel-sized rock and small cobble angular rock throughout		10.0
						Bottom of borehole at 9.0 feet.		

DRILLING CONTRACTOR: AE
DRILL RIG/ METHOD: 6610 DT / DPT
SAMPLING METHOD: DPT Sleeves
LOGGED BY: BDO
DRAWN BY:

BORING STARTED: 1/11/11
BORING COMPLETED: 1/11/11
TOTAL DEPTH: 9 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
Water in borehole up to 1.5'

Hart & Hickman
ENVIRONMENTAL CONSULTANTS

2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)

3334 Hillsborough Street
Raleigh, North Carolina 27607
919-847-4241(p) 919-847-4261(f)

BORING NUMBER SB-11

PROJECT: Former Rome Oil Mill
JOB NUMBER: ROM-001
LOCATION: Rome, Georgia

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm) BKG.	OVA (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0						Wet, soft, dark brown-tan, coarse sandy silty CLAY with rock		0
		GB SB-11 (0-2')	0	1.1				
		GB SB-11 (2-4')	0	0.1				
5			0	0.4		Small layer of light gray rock		5
						Small layer of dark purple, porous rock		
						Slightly moist, laminated, light gray, silty PWR		
			0	0.2				
						Moist, light gray PWR		
			0	0.2		Moist, medium stiff, dark brown-tan, silty CLAY		
10						Moist, medium stiff, dark brown, silty CLAY		10
			0	0.3				
						Moist, very stiff, yellow-tan, CLAY with rounded, black, gravel-sized black rock		
15								15
						Bottom of borehole at 17.0 feet.		

DRILLING CONTRACTOR: AE
DRILL RIG/ METHOD: 6610 DT / DPT
SAMPLING METHOD: DPT Sleeves
LOGGED BY: BDO
DRAWN BY:

BORING STARTED: 1/12/11
BORING COMPLETED: 1/12/11
TOTAL DEPTH: 17 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:

Hart & Hickman
ENVIRONMENTAL CONSULTANTS

2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)

3334 Hillsborough Street
Raleigh, North Carolina 27607
919-847-4241(p) 919-847-4261(f)

BORING NUMBER SB-12

PROJECT: Former Rome Oil Mill
JOB NUMBER: ROM-001
LOCATION: Rome, Georgia

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm) BKG.	OVA (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0.0						Very moist, soft, brown, silty CLAY with gravel and rock		0.0
			0	0.3		Concrete		
2.5								2.5
		GB SB-12 (4-6')	0	0.4		Very moist, slightly stiff, dark brown silty CLAY , with organic odor		
5.0			0	0.2				5.0
			0	0.2				
7.5						Moist, very stiff, tan/yellow CLAY, with rounded, black, gravel sized rock		7.5
						Very moist, very stiff, tan/yellow CLAY, with angular gravel sized rock		
10.0								10.0
						Bottom of borehole at 12.0 feet.		
12.5								12.5

DRILLING CONTRACTOR: AE
DRILL RIG/ METHOD: 6610 DT / DPT
SAMPLING METHOD: DPT Sleeves
LOGGED BY: BDO
DRAWN BY:

BORING STARTED: 1/12/11
BORING COMPLETED: 1/12/11
TOTAL DEPTH: 12 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:

Hart & Hickman
ENVIRONMENTAL CONSULTANTS

2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)

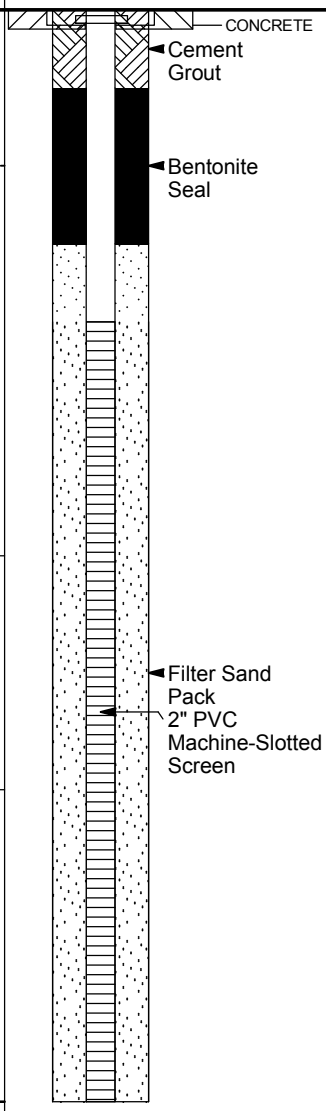
3334 Hillsborough Street
Raleigh, North Carolina 27607
919-847-4241(p) 919-847-4261(f)

BORING NUMBER SB-13/MW-5

PROJECT: Former Rome Oil Mill
JOB NUMBER: ROM-001
LOCATION: Rome, Georgia

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm) BKG.	OVA (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION
0.0						Moist, soft, black and dark brown, clayey SILT, with rock
						Wood debris at 3"
			0	0.4		
						Moist, slightly stiff, orange tan, clayey SILT
2.5			0	0		
5.0			0	0		
			0	0		Moist, medium stiff, tan, silty CLAY, with black rounded gravel size rock
7.5						
			0	0		
10.0						Partially weathered rock, bedrock at 14'
12.5						
						Bottom of borehole at 14.0 feet.
15.0						

BORING DIAGRAM



DRILLING CONTRACTOR: AE
DRILL RIG/ METHOD: 6610/8040 / DPT/HSA
SAMPLING METHOD: DPT Sleeves
LOGGED BY: BDO
DRAWN BY:

BORING STARTED: 1/12/11
BORING COMPLETED: 1/12/11
TOTAL DEPTH: 14 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:

Hart & Hickman
ENVIRONMENTAL CONSULTANTS

2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)

3334 Hillsborough Street
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BORING NUMBER SB-14

PROJECT: Former Rome Oil Mill
JOB NUMBER: ROM-001
LOCATION: Rome, Georgia

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm) BKG.	OVA (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0						No core		0
1								1
2								2
						Fill soil		
3						Brick and concrete		3
			0	0				
4						Bottom of borehole at 4.0 feet.		4
5								5

DRILLING CONTRACTOR: AE
DRILL RIG/ METHOD: 6610 DT / DPT
SAMPLING METHOD: DPT Sleeves
LOGGED BY: BDO
DRAWN BY:

BORING STARTED: 1/10/11
BORING COMPLETED: 1/10/11
TOTAL DEPTH: 4 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:

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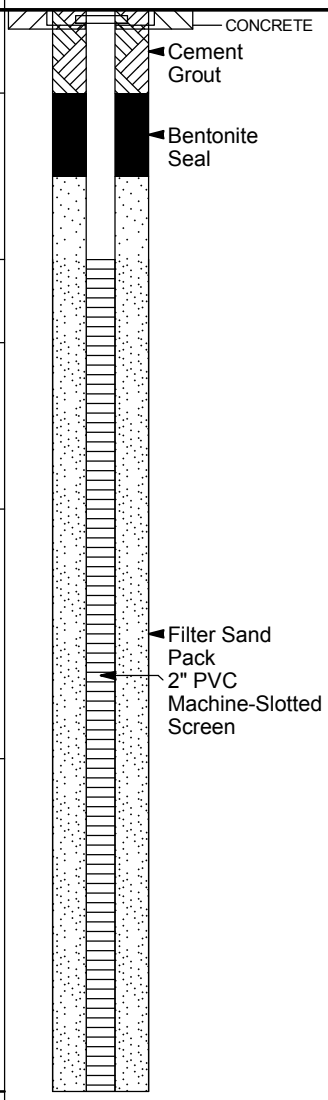
BORING NUMBER SB-15/MW-4

PROJECT: Former Rome Oil Mill
JOB NUMBER: ROM-001
LOCATION: Rome, Georgia

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm) BKG.	OVA (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION
0.0		GB SB-15 (0-2)	0	0		Moist, loose, dark brown, clayey coarse SAND and rock
						Slightly moist, slightly stiff, light orange SILT with trace clay and some angular rock
2.5		GB SB-15 (2-4)	0	0		Saturated, unconsolidated, brown black gravel and crushed rock with organic odor
						Wet, medium stiff, dark gray CLAY
5.0			0	0		
						Wet, stiff, dark brown gray/orange CLAY, with black, rounded, gravel size rock
			0	0		
7.5						
						Saturated, stiff, gray CLAY, with black, rounded gravel sized rock
10.0						
12.5						
						Bottom of borehole at 13.0 feet.
15.0						

BORING DIAGRAM



DRILLING CONTRACTOR: AE
DRILL RIG/ METHOD: 6610 DT / DPT/HSA
SAMPLING METHOD: DPT Sleeves
LOGGED BY: BDO
DRAWN BY:

BORING STARTED: 1/11/11
BORING COMPLETED: 1/11/11
TOTAL DEPTH: 13 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
Water in borehole up to 3'. DPT/HSA refusal at 13' in hard, gray, fine, sand bedrock

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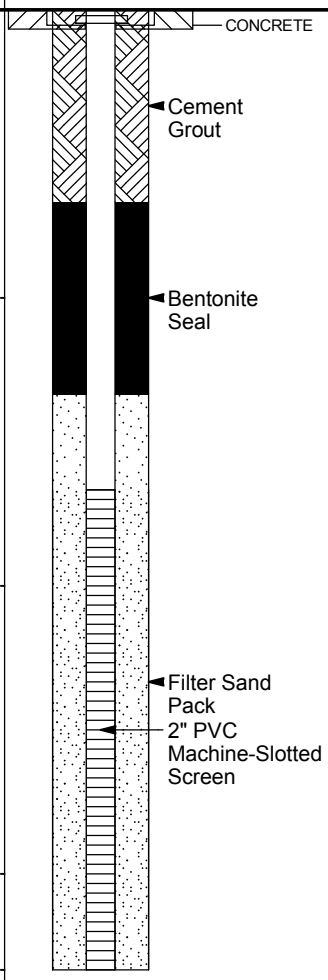
BORING NUMBER SB-2/MW-1

PROJECT: Former Rome Oil Mill
JOB NUMBER: ROM-001
LOCATION: Rome, Georgia

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm) BKG.	OVA (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION
0.0		GB SB-2 (0-2')	0	0		Slightly moist, loose to stiff, dark brown, CLAY
2.5			0	0		Moist, slightly stiff, orange-light brown, CLAY with some rocks
5.0			0	0		
			0	0		Moist, sticky, medium stiff, tan, CLAY with trace silt and black deposits
7.5			0	0		Moist, sticky, stiff, tan, silty CLAY with black deposits
10.0			0	0		Moist, very stiff, tan, CLAY
12.5						Refusal at 11.0 feet. Bottom of borehole at 11.0 feet.

BORING DIAGRAM



DRILLING CONTRACTOR: AE
DRILL RIG/ METHOD: 6610/8040 / HSA
SAMPLING METHOD: DPT Sleeves
LOGGED BY: BDO
DRAWN BY:

BORING STARTED: 1/10/11
BORING COMPLETED: 1/10/11
TOTAL DEPTH: 11 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
DPT/HSA refusal at 11' in dense, fine sandy CLAY with rock

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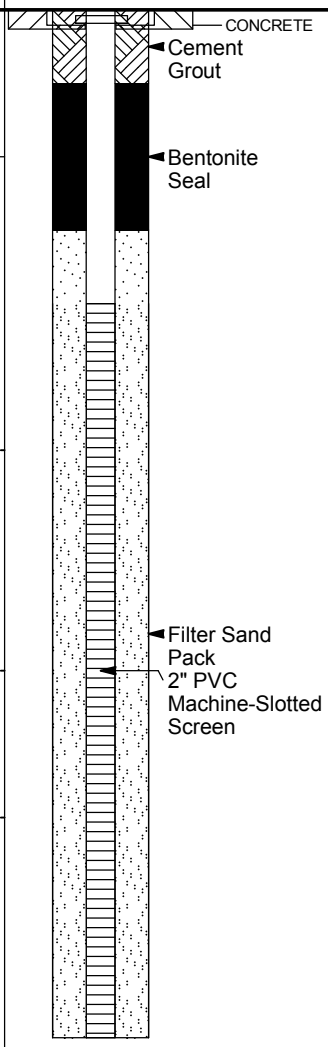
BORING NUMBER SB-3/MW-2

PROJECT: Former Rome Oil Mill
JOB NUMBER: ROM-001
LOCATION: Rome, Georgia

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm) BKG.	OVA (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION
0						Concrete pad and gravel
		GB SB-3 (2-4')	0	0		Moist, medium stiff, brownish-orange, silty CLAY
5		GB SB-3 (4-6')	0	0		4-5" layer of brick
			0	0		Wet/saturated, medium stiff, gray, silty CLAY with trace coarse sand
			0	0		Slightly moist, stiff, tan-orange, CLAY with black deposits
10						Slightly moist to moist, very stiff, tan-gray, CLAY with rounded, black, gravel-sized rock throughout
15						Slightly moist, hard, gray, ROCK and fine sand
						Refusal at 15.0 feet. Bottom of borehole at 15.0 feet.

BORING DIAGRAM



DRILLING CONTRACTOR: AE
DRILL RIG/ METHOD: 6610/8040 / HSA
SAMPLING METHOD: DPT Sleeves
LOGGED BY: BDO
DRAWN BY:

BORING STARTED: 1/10/11
BORING COMPLETED: 1/10/11
TOTAL DEPTH: 15 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
DPT/HSA refusal at 15' in hard, gray, limestone

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BORING NUMBER SB-4

PROJECT: Former Rome Oil Mill
JOB NUMBER: ROM-001
LOCATION: Rome, Georgia

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm) BKG.	OVA (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0.0						Concrete and gravel		0.0
			0	0		Moist to very moist, medium stiff, red, trace silty CLAY		
2.5			0	0				2.5
						Very moist to wet, slightly stiff, brown, CLAY with few coarse sand layers		
5.0			0	0				5.0
			0	0.1				
7.5								7.5
			0	0				
10.0						Very moist to wet, medium stiff, dark brown-gray, CLAY with rounded, black, gravel-sized rock throughout		10.0
12.5						Refusal at 12.0 feet. Bottom of borehole at 12.0 feet.		12.5

DRILLING CONTRACTOR: AE
DRILL RIG/ METHOD: 6610 DT / DPT
SAMPLING METHOD: DPT Sleeves
LOGGED BY: BDO
DRAWN BY:

BORING STARTED: 1/11/11
BORING COMPLETED: 1/11/11
TOTAL DEPTH: 12 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:

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BORING NUMBER SB-5

PROJECT: Former Rome Oil Mill
JOB NUMBER: ROM-001
LOCATION: Rome, Georgia

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm) BKG.	OVA (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM
0.0		GB SB-5 (0-2')	0	0		Slightly moist, medium stiff, tan-brown, silty CLAY with some rock	
2.5		GB SB-5 (2-4')	0	0			
						Approximate 3" brick layer	
						Dry to slightly moist, loose, dark brown, sandy SILT with some rock	
5.0			0	0			
						Moist, soft, tan-orange, coarse SAND and rock	
			0	0		Moist, soft, tan-gray, coarse SAND and rock	
7.5							
						Moist, soft, purple, coarse SAND and rock	
			0	0		Wet/saturated, medium stiff, dark gray, silty CLAY with trace coarse sand	
10.0						Moist, very stiff, brown-dark gray, CLAY with rounded, black, gravel-sized rock throughout	
12.5							
						Refusal at 13.0 feet. Bottom of borehole at 13.0 feet.	
15.0							

DRILLING CONTRACTOR: AE
DRILL RIG/ METHOD: 6610 DT / DPT
SAMPLING METHOD: DPT Sleeves
LOGGED BY: BDO
DRAWN BY:

BORING STARTED: 1/10/11
BORING COMPLETED: 1/10/11
TOTAL DEPTH: 13 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:

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BORING NUMBER SB-6

PROJECT: Former Rome Oil Mill
JOB NUMBER: ROM-001
LOCATION: Rome, Georgia

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm) BKG.	OVA (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM
0.0		GB SB-6 (0-2')	0	0		Very moist, medium stiff, red-tan, gravelly CLAY	
						Slightly moist, loose, gray-tan, coarse SAND with rock	
2.5		GB SB-6 (2-4')	0	3.2		Black, dry, loose, coal-like fragments	
						Moist, medium stiff, dark brown, silty CLAY with rounded, black, gravel-sized rock throughout	
5.0			0	2.9			
			0	0		Moist, very stiff, tan-yellow, CLAY with rounded, black, gravel-sized rock throughout	
7.5							
10.0			0	0			
12.5						Refusal at 12.5 feet. Bottom of borehole at 12.5 feet.	

DRILLING CONTRACTOR: AE
DRILL RIG/ METHOD: 6610 DT / DPT
SAMPLING METHOD: DPT Sleeves
LOGGED BY: BDO
DRAWN BY:

BORING STARTED: 1/11/11
BORING COMPLETED: 1/11/11
TOTAL DEPTH: 12.5 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
DPT refusal at 12.5' in hard, dark gray-brown, limestone

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BORING NUMBER SB-7

PROJECT: Former Rome Oil Mill
JOB NUMBER: ROM-001
LOCATION: Rome, Georgia

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm) BKG.	OVA (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0						Asphalt		0
		GB SB-7 (0-2')	0	0.1		Moist, medium stiff, dark brown, gravelly silty CLAY		
						Slightly moist, stiff, tan, clayey SILT		
			0	0.2				
5			0	0				5
			0	0		Dry to slightly moist, medium stiff, light tan-light gray, friable, SILT		
		GB SB-7 (8-10')	0	0		Dry to slightly moist, stiff, red-light tan, friable, SILT		
10			0	0				10
			0	0				
						Moist, medium stiff, brown, red, silty CLAY		
15						Bottom of borehole at 15.0 feet.		15

DRILLING CONTRACTOR: AE
DRILL RIG/ METHOD: 6610 DT / DPT
SAMPLING METHOD: DPT Sleeves
LOGGED BY: BDO
DRAWN BY:

BORING STARTED: 1/12/11
BORING COMPLETED: 1/12/11
TOTAL DEPTH: 15 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:

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BORING NUMBER SB-8

PROJECT: Former Rome Oil Mill
JOB NUMBER: ROM-001
LOCATION: Rome, Georgia

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm) BKG.	OVA (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION	BORING DIAGRAM	DEPTH (ft)
0		GB SB-8 (0-2')	0	0.1		Moist, slightly stiff, dark brown, clayey SILT with some gravel		0
			0	0.7		Moist, medium stiff, brown-red, trace silty CLAY with trace pockets of yellow sandstone		
5			0	0.1		Slightly moist, very stiff, tan-yellow, trace clayey SILT with few angular rocks		5
			0	0.1		Slightly moist, very stiff, tan-light gray, trace clayey SILT with few angular rocks		
			0	0.1				
10			0	0.1		Slightly moist, very stiff, tan-light brown, trace clayey SILT		10
			0	0				
15			0	0		Slightly moist, very stiff, reddish orange and yellow, trace clayey SILT. Signs of PWR at bottom of borehole.		15
						Refusal at 16.0 feet. Bottom of borehole at 16.0 feet.		

DRILLING CONTRACTOR: AE
DRILL RIG/ METHOD: 6610 DT / DPT
SAMPLING METHOD: DPT Sleeves
LOGGED BY: BDO
DRAWN BY:

BORING STARTED: 1/12/11
BORING COMPLETED: 1/12/11
TOTAL DEPTH: 16 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
DPT refusal at 16' in dark gray, limestone

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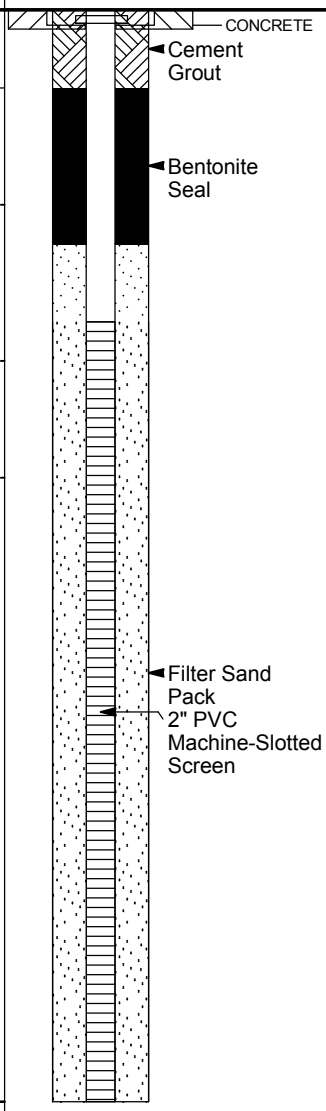
BORING NUMBER SB-9/MW-3

PROJECT: Former Rome Oil Mill
JOB NUMBER: ROM-001
LOCATION: Rome, Georgia

DEPTH (ft)	RECOVERY (%)	SAMPLE TYPE NUMBER	OVA (ppm) BKG.	OVA (ppm) SAMP.	LITHOLOGY	MATERIAL DESCRIPTION
0.0						Concrete pad and gravel
		GB SB-9 (0-2)	0	0.1		Moist, slightly stiff, dark brown, coarse sandy silty CLAY
2.5			0	0		Moist, medium stiff, elastic, dark orange, trace coarse sandy silty CLAY with black deposits
5.0			0	0		Moist, medium stiff to stiff, elastic, yellow-tan, silty CLAY with rounded, gravel-sized black rock throughout
7.5			0	0		Moist, stiff, yellow-tan, silty CLAY with rounded, gravel-sized black rock throughout
10.0			0	0		
12.5						
15.0						Refusal at 14.0 feet. Bottom of borehole at 14.0 feet.

BORING DIAGRAM



DRILLING CONTRACTOR: AE
DRILL RIG/ METHOD: 6610/8040 / DPT/HSA
SAMPLING METHOD: DPT Sleeves
LOGGED BY: BDO
DRAWN BY:

BORING STARTED: 1/11/11
BORING COMPLETED: 1/11/11
TOTAL DEPTH: 14 ft.
TOP OF CASING ELEV:
DEPTH TO WATER:

Remarks:
DPT/HSA refusal at 14' in hard, dark gray, limestone

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Job No: Rom-001
Well ID: mw-1
Well Location: Sanborn GAS UST

GROUND WATER SAMPLING RECORD

Facility Name: Rome Oil mill
Date: 1-14-11
Top of Casing Elevation (ft msl): _____ Casing Material: PVC Volume of Water Per Well Volume: _____
Total Well Depth (ft): 10 Depth to Water (ft): 6.69 Well Diameter: 2"
Sampling Personnel: C. Walters, B O'Donnell
Type of Pump: Athena Peristaltic Tubing Material: Teflon Pump/Tubing set at: 9 ft.
Weather Conditions: Cold / Sunny w/ temps ~15°F NOTES: _____

GROUND WATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH	ORP (mV)	Turbidity (NTU)
0910	6.79	450 ml	90 ml/min	4.67	13.42	439	6.79	145.9	9.36
0920	6.79	1350 ml	90 ml/min	3.43	13.70	442	6.86	147.5	7.38
0925	6.79	1800 ml	90 ml/min	2.77	13.79	444	6.86	150.2	5.69

Other Sample Parameters: _____
Sampled at: 0930 Parameters taken with: Teflon tubing
Sample Delivered to: Empirical labs by C. Walters at _____.
Field Filtration: ( ) Yes (X) No If yes, which sample parameters were field filtered: _____
Sample Parameter Containers (Types, Number of Containers, Preservatives): VOCs + Hexane, SVOCs, & RCRA metals
3 VOA w/ HCL, (2) 1-liter Amber jars, & 1 250 ml plastic bottle w/ HNO_3

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Job No: ~~Rome Oil Mill~~ Rom-001

Well ID: MW-2

Well Location: former machine shop/settling tanks

GROUND WATER SAMPLING RECORD

Facility Name: Rome Oil Mill

Date: 1-14-11

Top of Casing Elevation (ft msl): _____ Casing Material: PVC Volume of Water Per Well Volume: _____

Total Well Depth (ft): 14 Depth to Water (ft): 6.83 Well Diameter: 2"

Sampling Personnel: C. Walters, B. O'Donnell

Type of Pump: Athena/Peristaltic Tubing Material: Teflon Pump/Tubing set at: 13 ft.

Weather Conditions: Cold/Sunny w/ temps ~20°F NOTES: _____

GROUND WATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH	ORP (mV)	Turbidity (NTU)
1012	6.95	400 ml	80ml/min	1.46	13.92	591	6.64	60.3	36.33
1017	6.95	800 ml		1.19	14.39	592	6.61	56.1	30.48
1022	6.95	1200 ml		1.07	14.51	594	6.60	53.8	26.59
1032	6.95	2,000 ml		1.00	14.78	596	6.59	43.1	20.16
1042	6.95	2,800 ml		0.81	15.03	598	6.59	32.9	15.48
1047	6.95	3,200 ml		1.11	15.15	597	6.59	25.6	10.21

Other Sample Parameters: Collected DUP-4 for same analysis as MW-2

Sampled at: 1100 Parameters taken with: Teflon tubing

Sample Delivered to: Empirical Labs by C. Walters at _____

Field Filtration: ( ) Yes (X) No If yes, which sample parameters were field filtered: _____

Sample Parameter Containers (Types, Number of Containers, Preservatives): 3 40 ml VOAs (VOCs + Hexane) SVOCs (1-1 liter Amber Bottle), RCRA metals (1 250-ml plastic HNO_3)

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Job No: ROM-001
Well ID: MW-3
Well Location: Former Cotton Seed Bin

GROUND WATER SAMPLING RECORD

Facility Name: Rome Oil Mill
Date: 1-14-11
Top of Casing Elevation (ft msl): _____ Casing Material: PVC Volume of Water Per Well Volume: _____
Total Well Depth (ft): 14 Depth to Water (ft): 3.28 Well Diameter: 2"
Sampling Personnel: C. Walters, B O'Donnell
Type of Pump: Athena Peristaltic Tubing Material: Teflon Pump/Tubing set at: 13 ft.
Weather Conditions: Sunny w/ temps ~25°F NOTES: _____

GROUND WATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH	ORP (mV)	Turbidity (NTU)
1150	3.44	450 ml	90 ml/min	4.60	13.39	469	7.05	78.4	11.16
1155	3.47	900 ml	1	4.29	14.66	473	7.04	89.5	8.86
1200	3.48	1,350 ml	1	3.60	15.08	479	7.03	93.3	8.69

Other Sample Parameters: _____
Sampled at: 12:15 Parameters taken with: Teflon Tubing
Sample Delivered to: Empirical Labs by C Walters at _____
Field Filtration: ( ) Yes (X) No If yes, which sample parameters were field filtered: _____
Sample Parameter Containers (Types, Number of Containers, Preservatives): VOCs + Hexane (3 40 ml VOAs HCL)
SVOCs (1 1-liter Amber Bottle) & RCRA metals (1-250ml plastic HNO_3)

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A Professional Corporation

Job No: Rom-001
Well ID: MW-4
Well Location: Former Construction USTs

GROUND WATER SAMPLING RECORD

Facility Name: Rome Oil Mill
Date: 1-14-11

Top of Casing Elevation (ft msl): _____ Casing Material: PVC Volume of Water Per Well Volume: _____

Total Well Depth (ft): 13 Depth to Water (ft): 2.83 Well Diameter: 2"

Sampling Personnel: C Walters, B O'Donnell

Type of Pump: Atherol Peristaltic Tubing Material: Teflon Pump/Tubing set at: 12 ft.

Weather Conditions: Sunny w/ temps ~35°F NOTES: _____

GROUND WATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH	ORP (mV)	Turbidity (NTU)
1347	2.88	450 ml	90 ml/min	4.02	13.06	552	~~13.01~~ 7.35 fw	138.5	21.02
1352	2.88	900 ml		3.39	13.36	551	7.26	138.6	23.45
1357	2.88	1350 ml		3.29	13.39	550	7.24	138.9	21.98
1402	2.88	1800 ml		3.27	13.30	548	7.23	137.7	10.4
1407	2.88	2250 ml		3.28	12.99	548	7.22	138.0	11.36

Other Sample Parameters: _____

Sampled at: 1410 Parameters taken with: Teflon

Sample Delivered to: Empirical lab by C Walters at _____

Field Filtration: ( ) Yes (x) No If yes, which sample parameters were field filtered: _____

Sample Parameter Containers (Types, Number of Containers, Preservatives): 3 40 ml VOAs (VOCs), 1 (1) liter Amber Bottle (SVOCs) & RCRA metals (1-plastic 250 ml bottle)

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Job No: ROM-001
Well ID: MW-5
Well Location:
Date: 1-14-11

GROUND WATER SAMPLING RECORD

Facility Name: Rome Oil Mill
Top of Casing Elevation (ft msl): Casing Material: PVC Volume of Water Per Well Volume:
Total Well Depth (ft): 14 Depth to Water (ft): 7.65 Well Diameter: 2"
Sampling Personnel: C. Walters, B O'Donnell
Type of Pump: Athene/Peristaltic Tubing Material: Teflon Pump/Tubing set at: 13 ft.
Weather Conditions: Sunny w/ temps ~40°F NOTES:

GROUND WATER SAMPLING PARAMETERS

Time	Water Level	Volume Pumped	Pumping Rate	DO (mg/l)	Temp. (°C)	S. Cond. (µS/cm)	pH	ORP (mV)	Turbidity (NTU)
1447	7.86	450 ml	90 ml/min	5.06	12.09	553	6.69	26.6	13.40
1452	7.95	900 ml	↓	4.61	12.16	553	6.65	4.4	11.91
1457	7.95	1350 ml	↓	4.45	12.21	553	6.63	0.5	10.83

Other Sample Parameters:
Sampled at: 1500 Parameters taken with: Teflon
Sample Delivered to: Empirical labs by C. Walters at .
Field Filtration: ( ) Yes (X) No If yes, which sample parameters were field filtered:
Sample Parameter Containers (Types, Number of Containers, Preservatives): VOCs + Hexane (40 ml VOAs), SVOCs (1) 1-liter Amber, & RCRA metals (1 250-ml plastic)

Appendix C

Laboratory Analytical Data

Empirical Laboratories, LLC

621 Mainstream Drive, Suite 270
Nashville, TN 37228
615.345.1115 Phone
866.417.0548Fax

02 February 2011

Joselyn Harriger
Hart & Hickman
2923 S. Tryon #100
Charlotte, NC 28203

RE: HH-Rome Oil Mill

Enclosed are the results of analyses for samples received by the laboratory on 01/19/2011 08:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Richard
Project Manager

Hart & Hickman	Project: HH-Rome Oil Mill	
2923 S. Tryon #100	Project Number: H&H-ROM-001	**Reported:**
Charlotte NC, 28203	Project Manager: Joselyn Harriger	02/02/2011 19:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1 (3-4')	1101066-01	Solid	01/10/2011 10:55	01/19/2011 08:05
SB-1 (6-8')	1101066-02	Solid	01/10/2011 11:00	01/19/2011 08:05
DUP-1	1101066-03	Solid	01/10/2011 10:00	01/19/2011 08:05
SB-2 (0-2')	1101066-04	Solid	01/10/2011 11:35	01/19/2011 08:05
SB-3 (2-4')	1101066-05	Solid	01/10/2011 14:45	01/19/2011 08:05
SB-3 (4-6')	1101066-06	Solid	01/10/2011 14:50	01/19/2011 08:05
DUP-2	1101066-07	Solid	01/10/2011 10:30	01/19/2011 08:05
SB-5 (0-2')	1101066-08	Solid	01/10/2011 16:10	01/19/2011 08:05
SB-5 (2-4')	1101066-09	Solid	01/10/2011 16:25	01/19/2011 08:05
SB-9 (0-2')	1101066-10	Solid	01/11/2011 10:30	01/19/2011 08:05
DUP-3	1101066-11	Solid	01/11/2011 10:00	01/19/2011 08:05
SB-6 (0-2)	1101066-12	Solid	01/11/2011 13:30	01/19/2011 08:05
SB-6 (2-4)	1101066-13	Solid	01/11/2011 13:40	01/19/2011 08:05
SB-4 (0-2)	1101066-14	Solid	01/11/2011 14:20	01/19/2011 08:05
SB-15 (0-2)	1101066-15	Solid	01/11/2011 15:40	01/19/2011 08:05
SB-15 (2-4)	1101066-16	Solid	01/11/2011 15:45	01/19/2011 08:05
SB-7 (0-2)	1101066-17	Solid	01/12/2011 09:45	01/19/2011 08:05
SB-8 (0-2)	1101066-18	Solid	01/12/2011 10:30	01/19/2011 08:05
SB-7 (8-10)	1101066-19	Solid	01/12/2011 10:50	01/19/2011 08:05
SB-11 (0-2)	1101066-20	Solid	01/12/2011 14:10	01/19/2011 08:05
SB-11 (2-4)	1101066-21	Solid	01/12/2011 15:40	01/19/2011 08:05
SB-12 (4-6)	1101066-22	Solid	01/12/2011 15:45	01/19/2011 08:05
SB-13 (0-2)	1101066-23	Solid	01/12/2011 15:55	01/19/2011 08:05

The samples were received and processed using normal regulatory and laboratory protocols. Unless noted in the Final Report, there were no significant data anomalies or failures noted during data assessment and reporting. The results within this report relate only to the samples received and reported for this project and this report shall not be reproduced except in full, without the approval of Empirical Laboratories, LLC.

The test results meet all requirements of NELAC unless otherwise noted. Data uncertainty is linked to the method and regulatory mandated quality control data associated with the sample.

VOC

LCS-Recoveries for 4 out of 54 targets in sample 1A21026-BSD1 were outside their acceptable ranges. See included QC for details. RPD for 2 out of 54 targets in samples 1A21026-BS1/ 1A21026-BSD1 exceeded the limit of 30%. See included QC for details. Recoveries for 3 out of 54 targets in sample 1A23001-BSD1 were outside their acceptable ranges. See included QC for details.
MS/MSD-Recoveries for 19 out of 108 combined targets in samples 1A21022-MS1 and 1A21022-MSD1 were outside their acceptable ranges. RPD for 4 out of 54 targets in samples 1A21022-MS1/ 1A21022-MSD1 exceeded the limit of 30%. See included QC for details.
Surrogate-Recovery for Bromofluorobenzene in three samples was outside the acceptable range of 85-120%.
Recovery for Toluene-d8 in sample was outside the acceptable range of 85-115% at 116%.

PAH

MS/MSD-Recovery for Pyrene in sample 1A19013-MSD1 was outside the acceptable range of 45-125% at 126%.
Surrogate-Recovery for Nitrobenzene-d5 in eight samples, including the batch QC, was outside the acceptable range of 35-100% on the high side. See included QC for details.
CCV-Benzo(g,h,i)perylene recovered low in the CCV. Associated samples are flagged with a "Y".

SVOC

LCS-Recoveries for 7 out of 56 targets in sample 1A19013-BS1 were outside their acceptable ranges. See included QC for details.
MS/MSD-Recoveries for 9 out of a combined 112 targets in sample 1A19013-MS1 and 1A19013-MSD1 were outside their acceptable ranges. See included QC for details. RPD for 2,4-Dimethylphenol in samples 1A19013-MS1/ 1A19013-MSD1 exceeded the limit of 30% at 36.6%.
Surrogate-Recovery for Nitrobenzene-d5 in eight samples was outside the acceptable range of 35-100% on the high side. See included QC for details.
CCV-Four out of 56 targets recovered low in the CCV. Associated samples are flagged with a "Y". Five out of 56 targets recovered high in the CCV. Associated samples are flagged with an "X".

Pesticides

MS/MSD-Recoveries for 3 out of 40 targets in sample 1A19015-MSD1 were outside their acceptable ranges. See included QC for details.
Surrogate-Recovery for TCMX in five samples was outside the acceptable range of 70-125%. See included QC for details.

Metals

MS/MSD-Recoveries for 3 out of a combined 14 targets in samples 1A21005-MS1 and 1A21005-MSD1 were outside their acceptable ranges. Recoveries for 4 out of a combined 14 targets in samples 1A21010-MS1 and 1A21010-MSD1 were outside their acceptable ranges. See included QC for details. LCS is in control.

CERTIFICATION INFORMATION

Prior to accepting a Project, Empirical Laboratories, LLC verifies certification requirements and where applicable ensures that the requirements are in place prior to sample analysis. In many cases, states do not carry matrix or program specific certifications. Please contact your Project Manager should specific certification information not be listed in this report. The following is a listing of all applicable certifications for the reported project.

State of North Carolina, Department of Environment and Natural Resources, Certificate No.:643
NELAC Certification #TN473

Report revised 2/2/11 to include subcontracted OPP report from Pace.

Hart & Hickman	Project: HH-Rome Oil Mill	
2923 S. Tryon #100	Project Number: H&H-ROM-001	**Reported:**
Charlotte NC, 28203	Project Manager: Joselyn Harriger	02/02/2011 19:44

SB-1 (3-4')

1101066-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Classical Chemistry Parameters									
% Solids	**79**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**12.8**	2.51	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**66.2**	10.0	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.25	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**32.9**	2.51	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**30.6**	0.752	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.50	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.51	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	**0.0887**	0.0358	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	
Volatile Organic Compounds by GC/MS									
Acetone	**0.171**	0.0535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	
Benzene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromodichloromethane	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromoform	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromomethane	ND	0.0107	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
n-Butylbenzene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
2-Butanone	**0.0285**	0.0107	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	
Carbon disulfide	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Carbon tetrachloride	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chlorobenzene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloroethane	ND	0.0107	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloroform	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloromethane	ND	0.0107	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Cyclohexane	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Dibromochloromethane	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Dichlorodifluoromethane	ND	0.0107	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1-Dichloroethane	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dichloroethane	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1-Dichloroethene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U

SB-1 (3-4')

1101066-01 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,2-Dichloroethene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dichloropropane	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Ethylbenzene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Hexane	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
2-Hexanone	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Isopropylbenzene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methylene chloride	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methyl Acetate	ND	0.0107	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methylcyclohexane	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Naphthalene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
n-Propylbenzene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Styrene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Tetrachloroethene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Toluene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Trichloroethene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Trichlorofluoromethane	ND	0.0107	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Vinyl chloride	ND	0.0107	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Xylenes (total)	ND	0.00535	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Surrogate: Bromofluorobenzene	*89.5 %*	*85-120*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*105 %*	*80-125*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*103 %*	*75-140*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: Toluene-d8	*104 %*	*85-115*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	

SB-1 (3-4')

1101066-01 (Solid)

Empirical Laboratories, LLC

Organochlorine Pesticides and PCBs by GC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4,4'-DDE	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
4,4'-DDD [2C]	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
4,4'-DDT	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Aldrin	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
alpha-BHC [2C]	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
alpha-Chlordane	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
beta-BHC	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
delta-BHC	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Dieldrin	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endosulfan I	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endosulfan II	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endosulfan sulfate	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endrin	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endrin aldehyde	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endrin ketone	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
gamma-BHC (Lindane)	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
gamma-Chlordane	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Heptachlor	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Heptachlor epoxide	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Methoxychlor [2C]	ND	0.832	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Chlordane (tech)	ND	2.11	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Toxaphene	ND	41.0	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Surrogate: Tetrachloro-m-xylene	*67.7 %*	*70-125*			*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	
Surrogate: Tetrachloro-m-xylene [2C]	*63.4 %*	*70-125*			*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	
Surrogate: Decachlorobiphenyl	*73.8 %*	*55-130*			*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	
Surrogate: Decachlorobiphenyl [2C]	*62.2 %*	*55-130*			*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	

SB-1 (3-4')

1101066-01 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Acenaphthylene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)pyrene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(b)fluoranthene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(g,h,i)perylene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzoic acid	ND	1.61	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(k)fluoranthene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Bromophenyl-phenylether	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Butylbenzylphthalate	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chloro-3-methylphenol	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Chloroaniline	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Bis(2-chloroethoxy)methane	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2,2'-Oxybis-1-chloropropane	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2-Chloronaphthalene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Chlorophenol	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Chrysene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenz(a,h)anthracene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenzofuran	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-butylphthalate	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
2,4-Dichlorophenol	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Diethylphthalate	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dimethylphenol	ND	1.61	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Dimethyl phthalate	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	4.10	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrophenol	ND	4.10	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrotoluene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,6-Dinitrotoluene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-octylphthalate	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluorene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobenzene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobutadiene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorocyclopentadiene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U

SB-1 (3-4')

1101066-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Semivolatile Organic Compounds by GC/MS									
Hexachloroethane	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Isophorone	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
2-Methylnaphthalene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylphenol	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Methylphenol	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Naphthalene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Nitrobenzene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
4-Nitrophenol	ND	1.61	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Nitrophenol	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitrosodiphenylamine	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitroso-di-n-propylamine	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
Pentachlorophenol	ND	1.61	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenol	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pyrene	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4,6-Trichlorophenol	ND	0.410	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*76.6 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*84.2 %*	*35-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*106 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X Y
Surrogate: Phenol-d6	*95.6 %*	*40-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*80.5 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*68.1 %*	*35-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	

SB-1 (6-8')

1101066-02 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**81**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**16.8**	2.40	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**84.0**	9.61	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.20	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**71.9**	2.40	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**81.4**	0.721	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.44	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.40	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	M U
Mercury by CVAA									
Mercury	**0.0987**	0.0360	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	
Volatile Organic Compounds by GC/MS									
Acetone	**0.0876**	0.0506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	
Benzene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromodichloromethane	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromoform	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromomethane	ND	0.0101	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
n-Butylbenzene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
2-Butanone	**0.0140**	0.0101	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	
Carbon disulfide	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Carbon tetrachloride	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chlorobenzene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloroethane	ND	0.0101	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloroform	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloromethane	ND	0.0101	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Cyclohexane	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Dibromochloromethane	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Dichlorodifluoromethane	ND	0.0101	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1-Dichloroethane	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dichloroethane	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1-Dichloroethene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U

SB-1 (6-8')

1101066-02 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Ethylbenzene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Hexane	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
2-Hexanone	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Isopropylbenzene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methylene chloride	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methyl Acetate	ND	0.0101	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methylcyclohexane	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Naphthalene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
n-Propylbenzene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Styrene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Tetrachloroethene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Toluene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Trichloroethene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Trichlorofluoromethane	ND	0.0101	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Vinyl chloride	ND	0.0101	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Xylenes (total)	ND	0.00506	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Surrogate: Bromofluorobenzene	*99.4 %*	*85-120*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*103 %*	*80-125*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*107 %*	*75-140*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: Toluene-d8	*95.5 %*	*85-115*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	

SB-1 (6-8')

1101066-02 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Acenaphthylene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)pyrene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(b)fluoranthene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(g,h,i)perylene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzoic acid	ND	1.59	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(k)fluoranthene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Bromophenyl-phenylether	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Butylbenzylphthalate	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chloro-3-methylphenol	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Chloroaniline	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Bis(2-chloroethoxy)methane	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2,2'-Oxybis-1-chloropropane	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2-Chloronaphthalene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Chlorophenol	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Chrysene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenz(a,h)anthracene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenzofuran	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-butylphthalate	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
2,4-Dichlorophenol	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Diethylphthalate	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dimethylphenol	ND	1.59	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Dimethyl phthalate	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	4.03	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrophenol	ND	4.03	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrotoluene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,6-Dinitrotoluene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-octylphthalate	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluorene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobenzene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobutadiene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorocyclopentadiene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U

SB-1 (6-8')

1101066-02 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Isophorone	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
2-Methylnaphthalene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylphenol	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Methylphenol	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Naphthalene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Nitrobenzene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
4-Nitrophenol	ND	1.59	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Nitrophenol	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitrosodiphenylamine	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitroso-di-n-propylamine	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
Pentachlorophenol	ND	1.59	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenol	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pyrene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4,6-Trichlorophenol	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*78.1 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*80.9 %*	*35-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*97.7 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Phenol-d6	*89.2 %*	*40-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*78.2 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*66.0 %*	*35-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	

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1101066-03 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**81**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**6.89**	2.39	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**23.3**	9.55	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.19	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**22.6**	2.39	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**29.6**	0.717	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.43	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.39	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	ND	0.0358	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	U
Volatile Organic Compounds by GC/MS									
Acetone	**0.102**	0.0603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	
Benzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromodichloromethane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromoform	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromomethane	ND	0.0121	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
n-Butylbenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
2-Butanone	**0.0167**	0.0121	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	
Carbon disulfide	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Carbon tetrachloride	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chlorobenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloroethane	ND	0.0121	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloroform	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloromethane	ND	0.0121	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Cyclohexane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Dibromochloromethane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Dichlorodifluoromethane	ND	0.0121	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1-Dichloroethane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dichloroethane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1-Dichloroethene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U

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1101066-03 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Ethylbenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Hexane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
2-Hexanone	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Isopropylbenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methylene chloride	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methyl Acetate	ND	0.0121	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methylcyclohexane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Naphthalene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
n-Propylbenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Styrene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Tetrachloroethene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Toluene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Trichloroethene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Trichlorofluoromethane	ND	0.0121	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Vinyl chloride	ND	0.0121	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Xylenes (total)	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Surrogate: Bromofluorobenzene	*96.6 %*	*85-120*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*104 %*	*80-125*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*105 %*	*75-140*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: Toluene-d8	*94.0 %*	*85-115*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	

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1101066-03 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Acenaphthylene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)pyrene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(b)fluoranthene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(g,h,i)perylene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzoic acid	ND	1.59	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(k)fluoranthene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Bromophenyl-phenylether	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Butylbenzylphthalate	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chloro-3-methylphenol	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Chloroaniline	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Bis(2-chloroethoxy)methane	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2,2'-Oxybis-1-chloropropane	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2-Chloronaphthalene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Chlorophenol	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Chrysene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenz(a,h)anthracene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenzofuran	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-butylphthalate	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
2,4-Dichlorophenol	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Diethylphthalate	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dimethylphenol	ND	1.59	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Dimethyl phthalate	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	4.03	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrophenol	ND	4.03	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrotoluene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,6-Dinitrotoluene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-octylphthalate	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluorene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobenzene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobutadiene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorocyclopentadiene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U

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1101066-03 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Isophorone	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
2-Methylnaphthalene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylphenol	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Methylphenol	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Naphthalene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Nitrobenzene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
4-Nitrophenol	ND	1.59	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Nitrophenol	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitrosodiphenylamine	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitroso-di-n-propylamine	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
Pentachlorophenol	ND	1.59	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenol	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pyrene	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4,6-Trichlorophenol	ND	0.403	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*75.4 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*80.7 %*	*35-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*101 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Phenol-d6	*91.8 %*	*40-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*77.2 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*62.7 %*	*35-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	

SB-2 (0-2')

1101066-04 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**84**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**5.81**	2.39	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**120**	9.57	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.20	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**18.7**	2.39	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**17.4**	0.718	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.44	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.39	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	M U
Mercury by CVAA									
Mercury	**0.0499**	0.0335	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	
Volatile Organic Compounds by GC/MS									
Acetone	**0.354**	0.0527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	
Benzene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromodichloromethane	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromoform	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromomethane	ND	0.0105	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
n-Butylbenzene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
2-Butanone	**0.0534**	0.0105	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	
Carbon disulfide	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Carbon tetrachloride	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chlorobenzene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloroethane	ND	0.0105	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloroform	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloromethane	ND	0.0105	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Cyclohexane	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Dibromochloromethane	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Dichlorodifluoromethane	ND	0.0105	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1-Dichloroethane	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dichloroethane	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1-Dichloroethene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U

SB-2 (0-2')

1101066-04 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Ethylbenzene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Hexane	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
2-Hexanone	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Isopropylbenzene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methylene chloride	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methyl Acetate	ND	0.0105	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methylcyclohexane	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Naphthalene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
n-Propylbenzene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Styrene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Tetrachloroethene	**0.0214**	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	
Toluene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Trichloroethene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Trichlorofluoromethane	ND	0.0105	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Vinyl chloride	ND	0.0105	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Xylenes (total)	ND	0.00527	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Surrogate: Bromofluorobenzene	*86.4 %*	*85-120*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*107 %*	*80-125*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*114 %*	*75-140*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: Toluene-d8	*97.0 %*	*85-115*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	

SB-2 (0-2')

1101066-04 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Acenaphthylene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)pyrene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(b)fluoranthene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(g,h,i)perylene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzoic acid	ND	1.51	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(k)fluoranthene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Bromophenyl-phenylether	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Butylbenzylphthalate	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chloro-3-methylphenol	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Chloroaniline	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Bis(2-chloroethoxy)methane	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2,2'-Oxybis-1-chloropropane	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2-Chloronaphthalene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Chlorophenol	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Chrysene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenz(a,h)anthracene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenzofuran	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-butylphthalate	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
2,4-Dichlorophenol	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Diethylphthalate	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dimethylphenol	ND	1.51	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Dimethyl phthalate	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	3.83	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrophenol	ND	3.83	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrotoluene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,6-Dinitrotoluene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-octylphthalate	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluorene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobenzene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobutadiene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorocyclopentadiene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U

SB-2 (0-2')

1101066-04 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Isophorone	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
2-Methylnaphthalene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylphenol	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Methylphenol	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Naphthalene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Nitrobenzene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
4-Nitrophenol	ND	1.51	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Nitrophenol	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitrosodiphenylamine	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitroso-di-n-propylamine	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
Pentachlorophenol	ND	1.51	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenol	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pyrene	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4,6-Trichlorophenol	ND	0.383	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*73.1 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*61.1 %*	*35-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*94.8 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Phenol-d6	*71.6 %*	*40-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*76.4 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*52.6 %*	*35-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	

SB-3 (2-4')

1101066-05 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**80**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**6.31**	2.67	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**48.0**	10.7	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.34	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**15.8**	2.67	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**28.9**	0.802	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.60	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.67	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	ND	0.0377	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	U
Volatile Organic Compounds by GC/MS									
Acetone	**0.0676**	0.0555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	
Benzene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromodichloromethane	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromoform	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromomethane	ND	0.0111	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
n-Butylbenzene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
2-Butanone	**0.0133**	0.0111	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	
Carbon disulfide	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Carbon tetrachloride	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chlorobenzene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloroethane	ND	0.0111	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloroform	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloromethane	ND	0.0111	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Cyclohexane	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Dibromochloromethane	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Dichlorodifluoromethane	ND	0.0111	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1-Dichloroethane	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dichloroethane	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1-Dichloroethene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U

SB-3 (2-4')

1101066-05 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Ethylbenzene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Hexane	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
2-Hexanone	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Isopropylbenzene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methylene chloride	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methyl Acetate	ND	0.0111	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methylcyclohexane	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Naphthalene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
n-Propylbenzene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Styrene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Tetrachloroethene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Toluene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Trichloroethene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Trichlorofluoromethane	ND	0.0111	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Vinyl chloride	ND	0.0111	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Xylenes (total)	ND	0.00555	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Surrogate: Bromofluorobenzene	*99.9 %*	*85-120*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*104 %*	*80-125*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*112 %*	*75-140*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: Toluene-d8	*91.1 %*	*85-115*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	

SB-3 (2-4')

1101066-05 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Acenaphthylene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)pyrene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(b)fluoranthene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(g,h,i)perylene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Benzoic acid	ND	1.58	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(k)fluoranthene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Bromophenyl-phenylether	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Butylbenzylphthalate	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chloro-3-methylphenol	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Chloroaniline	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Bis(2-chloroethoxy)methane	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2,2'-Oxybis-1-chloropropane	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2-Chloronaphthalene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Chlorophenol	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Chrysene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenz(a,h)anthracene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenzofuran	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-butylphthalate	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
2,4-Dichlorophenol	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Diethylphthalate	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dimethylphenol	ND	1.58	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Dimethyl phthalate	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	4.01	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrophenol	ND	4.01	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrotoluene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,6-Dinitrotoluene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-octylphthalate	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluorene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobenzene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobutadiene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorocyclopentadiene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U

SB-3 (2-4')

1101066-05 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Isophorone	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
2-Methylnaphthalene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylphenol	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Methylphenol	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Naphthalene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Nitrobenzene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
4-Nitrophenol	ND	1.58	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Nitrophenol	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitrosodiphenylamine	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
N-Nitroso-di-n-propylamine	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pentachlorophenol	ND	1.58	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenol	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pyrene	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4,6-Trichlorophenol	ND	0.401	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*74.4 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*83.0 %*	*35-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*106 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Phenol-d6	*95.1 %*	*40-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*81.8 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*67.4 %*	*35-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	Y

SB-3 (4-6')

1101066-06 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**76**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**23.0**	2.65	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**302**	10.6	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.32	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**22.9**	2.65	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**75.9**	0.794	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.59	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.65	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	M U
Mercury by CVAA									
Mercury	**0.0425**	0.0374	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	
Volatile Organic Compounds by GC/MS									
Acetone	**0.340**	0.0565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	
Benzene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromodichloromethane	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromoform	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromomethane	ND	0.0113	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
n-Butylbenzene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
2-Butanone	ND	0.0113	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Carbon disulfide	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Carbon tetrachloride	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chlorobenzene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloroethane	ND	0.0113	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloroform	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloromethane	ND	0.0113	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Cyclohexane	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Dibromochloromethane	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Dichlorodifluoromethane	ND	0.0113	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1-Dichloroethane	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dichloroethane	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1-Dichloroethene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U

SB-3 (4-6')

1101066-06 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Ethylbenzene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Hexane	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
2-Hexanone	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Isopropylbenzene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methylene chloride	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methyl Acetate	**0.0114**	0.0113	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	
Methylcyclohexane	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Naphthalene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
n-Propylbenzene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Styrene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Tetrachloroethene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Toluene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Trichloroethene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Trichlorofluoromethane	ND	0.0113	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Vinyl chloride	ND	0.0113	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Xylenes (total)	ND	0.00565	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Surrogate: Bromofluorobenzene	*86.2 %*	*85-120*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*102 %*	*80-125*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*104 %*	*75-140*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: Toluene-d8	*95.7 %*	*85-115*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	

SB-3 (4-6')

1101066-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Semivolatile Organic Compounds by GC/MS									
Acenaphthene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Acenaphthylene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)pyrene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(b)fluoranthene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(g,h,i)perylene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Benzo(k)fluoranthene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Chrysene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenz(a,h)anthracene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluorene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
1-Methylnaphthalene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylnaphthalene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Naphthalene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Pyrene	ND	431	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*75.8 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*103 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Terphenyl-d14	*99.2 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	

DUP-2

1101066-07 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**77**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Semivolatile Organic Compounds by GC/MS									
Acenaphthene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
Acenaphthylene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)pyrene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
Benzo(b)fluoranthene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
Benzo(g,h,i)perylene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y S U
Benzo(k)fluoranthene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
Chrysene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenz(a,h)anthracene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
Fluoranthene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluorene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
1-Methylnaphthalene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylnaphthalene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Naphthalene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Pyrene	ND	426	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*75.3 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*103 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Terphenyl-d14	*125 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	

SB-5 (0-2')

1101066-08 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**75**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**20.8**	2.44	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**275**	9.76	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.22	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**20.9**	2.44	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**68.3**	0.732	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.46	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.44	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	M U
Mercury by CVAA									
Mercury	**0.0736**	0.0369	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	
Volatile Organic Compounds by GC/MS									
Acetone	**0.486**	0.0603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	
Benzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromodichloromethane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromoform	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromomethane	ND	0.0121	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
n-Butylbenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
2-Butanone	**0.0840**	0.0121	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	
Carbon disulfide	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Carbon tetrachloride	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chlorobenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloroethane	ND	0.0121	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloroform	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloromethane	ND	0.0121	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Cyclohexane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Dibromochloromethane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Dichlorodifluoromethane	ND	0.0121	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1-Dichloroethane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dichloroethane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1-Dichloroethene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U

SB-5 (0-2')

1101066-08 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Ethylbenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Hexane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
2-Hexanone	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Isopropylbenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methylene chloride	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methyl Acetate	ND	0.0121	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methylcyclohexane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Naphthalene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
n-Propylbenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Styrene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Tetrachloroethene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Toluene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Trichloroethene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Trichlorofluoromethane	ND	0.0121	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Vinyl chloride	ND	0.0121	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Xylenes (total)	ND	0.00603	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Surrogate: Bromofluorobenzene	*95.5 %*	*85-120*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*103 %*	*80-125*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*113 %*	*75-140*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: Toluene-d8	*96.9 %*	*85-115*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	

SB-5 (0-2')

1101066-08 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Acenaphthylene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)pyrene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(b)fluoranthene	**0.446**	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Benzo(g,h,i)perylene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Benzoic acid	ND	1.72	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(k)fluoranthene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Bromophenyl-phenylether	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Butylbenzylphthalate	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chloro-3-methylphenol	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Chloroaniline	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Bis(2-chloroethoxy)methane	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q X U
2,2'-Oxybis-1-chloropropane	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2-Chloronaphthalene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Chlorophenol	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Chrysene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenz(a,h)anthracene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenzofuran	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-butylphthalate	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
2,4-Dichlorophenol	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Diethylphthalate	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dimethylphenol	ND	1.72	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Dimethyl phthalate	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	4.37	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrophenol	ND	4.37	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrotoluene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,6-Dinitrotoluene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-octylphthalate	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluorene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobenzene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobutadiene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorocyclopentadiene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U

SB-5 (0-2')

1101066-08 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Isophorone	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
2-Methylnaphthalene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylphenol	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Methylphenol	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	UQ
Naphthalene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Nitrobenzene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
4-Nitrophenol	ND	1.72	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Nitrophenol	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitrosodiphenylamine	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
N-Nitroso-di-n-propylamine	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pentachlorophenol	ND	1.72	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenol	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pyrene	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4,6-Trichlorophenol	ND	0.437	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*76.0 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*75.8 %*	*35-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*97.9 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Phenol-d6	*86.5 %*	*40-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*74.4 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*60.1 %*	*35-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	Y

SB-5 (2-4')

1101066-09 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**86**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**34.0**	2.41	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**454**	9.62	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.20	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**14.8**	2.41	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**61.8**	0.722	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.44	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.41	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	**0.104**	0.0330	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	
Semivolatile Organic Compounds by GC/MS									
Acenaphthene	ND	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
Acenaphthylene	ND	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	**1520**	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Benzo(a)pyrene	**1760**	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S
Benzo(b)fluoranthene	**3610**	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S
Benzo(g,h,i)perylene	**604**	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y S
Benzo(k)fluoranthene	**1240**	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S
Chrysene	**1610**	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Dibenz(a,h)anthracene	ND	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
Fluoranthene	**1630**	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Fluorene	ND	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	**685**	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S
1-Methylnaphthalene	**433**	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
2-Methylnaphthalene	**624**	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Naphthalene	**441**	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Phenanthrene	ND	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Pyrene	**2610**	378	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Surrogate: 2-Fluorobiphenyl	*75.6 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*101 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Terphenyl-d14	*108 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	

SB-5 (2-4')

1101066-09RE1 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	**0.113**	0.0556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X Q
Benzene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Bromodichloromethane	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Bromoform	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	S U
Bromomethane	ND	0.0111	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X Q U
n-Butylbenzene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	S U
2-Butanone	ND	0.0111	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X Q U
Carbon disulfide	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Carbon tetrachloride	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Chlorobenzene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	S U
Chloroethane	ND	0.0111	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X U
Chloroform	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Chloromethane	ND	0.0111	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	Q X U
Cyclohexane	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Dibromochloromethane	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	S U
1,2-Dibromo-3-chloropropane	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	S U
1,2-Dibromoethane (EDB)	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	S U
1,2-Dichlorobenzene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	S U
Dichlorodifluoromethane	ND	0.0111	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X U
1,1-Dichloroethane	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,2-Dichloroethane	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,1-Dichloroethene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,2-Dichloropropane	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Ethylbenzene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	S U
Hexane	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
2-Hexanone	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	S U
Isopropylbenzene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	S U
Methylene chloride	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Methyl Acetate	ND	0.0111	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Methylcyclohexane	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Naphthalene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	S U
4-Methyl-2-pentanone	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U

SB-5 (2-4')

1101066-09RE1 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
n-Propylbenzene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	S U
Styrene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	S U
1,1,2,2-Tetrachloroethane	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	S U
Tetrachloroethene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Toluene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	US
1,2,4-Trichlorobenzene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	S U
1,1,2-Trichloroethane	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	S U
1,1,1-Trichloroethane	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Trichloroethene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Trichlorofluoromethane	ND	0.0111	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	US
1,2,4-Trimethylbenzene	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	US
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Vinyl chloride	ND	0.0111	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X Q U
Xylenes (total)	ND	0.00556	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	US
Surrogate: Bromofluorobenzene	*78.0 %*	*85-120*			*1A23001*	*01/23/11*	*01/23/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*114 %*	*80-125*			*1A23001*	*01/23/11*	*01/23/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*75-140*			*1A23001*	*01/23/11*	*01/23/11*	*SW8260B*	
Surrogate: Toluene-d8	*105 %*	*85-115*			*1A23001*	*01/23/11*	*01/23/11*	*SW8260B*	

SB-9 (0-2')

1101066-10 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**74**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**10.6**	2.47	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**220**	9.87	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.23	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**41.5**	2.47	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**85.9**	0.740	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.48	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.47	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	**0.0838**	0.0345	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	
Organochlorine Pesticides and PCBs by GC									
4,4'-DDE	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
4,4'-DDD [2C]	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
4,4'-DDT	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Aldrin	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
alpha-BHC [2C]	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
alpha-Chlordane	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
beta-BHC	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
delta-BHC	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Dieldrin	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endosulfan I	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endosulfan II	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endosulfan sulfate	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endrin	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endrin aldehyde	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endrin ketone	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
gamma-BHC (Lindane)	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
gamma-Chlordane	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Heptachlor [2C]	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Heptachlor epoxide	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Methoxychlor [2C]	ND	0.897	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	UM
Chlordane (tech)	ND	2.28	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Toxaphene	ND	44.2	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Surrogate: Tetrachloro-m-xylene	*67.5 %*	*70-125*			*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	
Surrogate: Tetrachloro-m-xylene [2C]	*65.2 %*	*70-125*			*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	
Surrogate: Decachlorobiphenyl	*75.9 %*	*55-130*			*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	
Surrogate: Decachlorobiphenyl [2C]	*62.5 %*	*55-130*			*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	

SB-9 (0-2')

1101066-10 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Acenaphthylene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)pyrene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(b)fluoranthene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(g,h,i)perylene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	UY
Benzoic acid	ND	1.75	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(k)fluoranthene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Bromophenyl-phenylether	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Butylbenzylphthalate	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	N U
4-Chloro-3-methylphenol	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Chloroaniline	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Bis(2-chloroethoxy)methane	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2,2'-Oxybis-1-chloropropane	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q N U
2-Chloronaphthalene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Chlorophenol	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Chrysene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenz(a,h)anthracene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenzofuran	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-butylphthalate	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
2,4-Dichlorophenol	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Diethylphthalate	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dimethylphenol	ND	1.75	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q N U
Dimethyl phthalate	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	4.45	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	N U
2,4-Dinitrophenol	ND	4.45	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	N U
2,4-Dinitrotoluene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,6-Dinitrotoluene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-octylphthalate	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	N U
Bis(2-ethylhexyl)phthalate	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluorene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobenzene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobutadiene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorocyclopentadiene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U

Hart & Hickman	Project: HH-Rome Oil Mill	
2923 S. Tryon #100	Project Number: H&H-ROM-001	**Reported:**
Charlotte NC, 28203	Project Manager: Joselyn Harriger	02/02/2011 19:44

SB-9 (0-2')

1101066-10 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Isophorone	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
2-Methylnaphthalene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylphenol	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Methylphenol	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Naphthalene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Nitrobenzene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
4-Nitrophenol	ND	1.75	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Nitrophenol	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitrosodiphenylamine	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
N-Nitroso-di-n-propylamine	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pentachlorophenol	ND	1.75	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenol	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pyrene	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	UN
2,4,6-Trichlorophenol	ND	0.445	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*78.3 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*73.6 %*	*35-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*102 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Phenol-d6	*88.0 %*	*40-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*117 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*59.3 %*	*35-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	Y

SB-9 (0-2')

1101066-10RE1 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Volatile Organic Compounds by GC/MS									
Acetone	**0.298**	0.0502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X Q
Benzene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Bromodichloromethane	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Bromoform	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Bromomethane	ND	0.0100	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	UQ X
n-Butylbenzene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
2-Butanone	**0.0410**	0.0100	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X Q
Carbon disulfide	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Carbon tetrachloride	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Chlorobenzene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Chloroethane	ND	0.0100	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X U
Chloroform	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Chloromethane	ND	0.0100	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X Q U
Cyclohexane	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Dibromochloromethane	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Dichlorodifluoromethane	ND	0.0100	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X U
1,1-Dichloroethane	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,2-Dichloroethane	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,1-Dichloroethene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,2-Dichloropropane	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Ethylbenzene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Hexane	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
2-Hexanone	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Isopropylbenzene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Methylene chloride	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Methyl Acetate	ND	0.0100	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Methylcyclohexane	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Naphthalene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U

SB-9 (0-2')

1101066-10RE1 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Volatile Organic Compounds by GC/MS									
n-Propylbenzene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Styrene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Tetrachloroethene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Toluene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Trichloroethene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Trichlorofluoromethane	ND	0.0100	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Vinyl chloride	ND	0.0100	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X Q U
Xylenes (total)	ND	0.00502	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Surrogate: Bromofluorobenzene	*87.6 %*	*85-120*			*1A23001*	*01/23/11*	*01/23/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*110 %*	*80-125*			*1A23001*	*01/23/11*	*01/23/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*112 %*	*75-140*			*1A23001*	*01/23/11*	*01/23/11*	*SW8260B*	
Surrogate: Toluene-d8	*98.9 %*	*85-115*			*1A23001*	*01/23/11*	*01/23/11*	*SW8260B*	

DUP-3

1101066-11 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**82**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**4.87**	2.22	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**126**	8.87	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.11	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**25.0**	2.22	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**28.3**	0.666	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.33	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.22	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	**0.0837**	0.0403	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	
Volatile Organic Compounds by GC/MS									
Acetone	**0.122**	0.0619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	
Benzene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromodichloromethane	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromoform	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Bromomethane	ND	0.0124	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
n-Butylbenzene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
2-Butanone	**0.0152**	0.0124	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	
Carbon disulfide	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Carbon tetrachloride	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chlorobenzene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloroethane	ND	0.0124	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloroform	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Chloromethane	ND	0.0124	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Cyclohexane	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Dibromochloromethane	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Dichlorodifluoromethane	ND	0.0124	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1-Dichloroethane	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2-Dichloroethane	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1-Dichloroethene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U

DUP-3

1101066-11 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Ethylbenzene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Hexane	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
2-Hexanone	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Isopropylbenzene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methylene chloride	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methyl Acetate	ND	0.0124	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methylcyclohexane	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Naphthalene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
n-Propylbenzene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Styrene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Tetrachloroethene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Toluene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Trichloroethene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Trichlorofluoromethane	ND	0.0124	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Vinyl chloride	ND	0.0124	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Xylenes (total)	ND	0.00619	mg/Kg dry	1	1A21022	01/21/11	01/21/11	SW8260B	U
Surrogate: Bromofluorobenzene	*89.4 %*	*85-120*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*104 %*	*80-125*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*75-140*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	
Surrogate: Toluene-d8	*96.2 %*	*85-115*			*1A21022*	*01/21/11*	*01/21/11*	*SW8260B*	

DUP-3

1101066-11 (Solid)

Empirical Laboratories, LLC

Organochlorine Pesticides and PCBs by GC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4,4'-DDE	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
4,4'-DDD [2C]	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
4,4'-DDT [2C]	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Aldrin	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
alpha-BHC [2C]	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
alpha-Chlordane	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
beta-BHC	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
delta-BHC	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Dieldrin	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endosulfan I	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endosulfan II	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endosulfan sulfate	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endrin [2C]	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endrin aldehyde	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endrin ketone	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
gamma-BHC (Lindane) [2C]	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
gamma-Chlordane [2C]	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Heptachlor	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Heptachlor epoxide	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Methoxychlor	ND	0.807	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Chlordane (tech)	ND	2.05	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Toxaphene	ND	39.7	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Surrogate: Tetrachloro-m-xylene	*64.9 %*	*70-125*			*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	
Surrogate: Tetrachloro-m-xylene [2C]	*62.3 %*	*70-125*			*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	
Surrogate: Decachlorobiphenyl	*71.0 %*	*55-130*			*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	
Surrogate: Decachlorobiphenyl [2C]	*56.8 %*	*55-130*			*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	

DUP-3

1101066-11 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Acenaphthylene	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	**0.650**	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Benzo(a)pyrene	**0.720**	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Benzo(b)fluoranthene	**1.11**	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Benzo(g,h,i)perylene	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	UY
Benzoic acid	ND	1.57	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(k)fluoranthene	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Bromophenyl-phenylether	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Butylbenzylphthalate	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chloro-3-methylphenol	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Chloroaniline	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Bis(2-chloroethoxy)methane	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2,2'-Oxybis-1-chloropropane	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2-Chloronaphthalene	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Chlorophenol	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Chrysene	**0.619**	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Dibenz(a,h)anthracene	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenzofuran	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-butylphthalate	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
2,4-Dichlorophenol	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Diethylphthalate	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dimethylphenol	ND	1.57	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Dimethyl phthalate	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	3.97	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrophenol	ND	3.97	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrotoluene	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,6-Dinitrotoluene	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-octylphthalate	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	**1.27**	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Fluorene	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobenzene	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobutadiene	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorocyclopentadiene	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U

DUP-3

1101066-11 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Isophorone	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
2-Methylnaphthalene	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylphenol	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Methylphenol	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Naphthalene	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Nitrobenzene	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
4-Nitrophenol	ND	1.57	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Nitrophenol	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitrosodiphenylamine	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
N-Nitroso-di-n-propylamine	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pentachlorophenol	ND	1.57	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	**0.504**	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Phenol	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pyrene	**1.40**	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
2,4,6-Trichlorophenol	ND	0.397	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*79.3 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*79.7 %*	*35-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*108 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Phenol-d6	*91.4 %*	*40-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*103 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*67.3 %*	*35-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	Y

SB-6 (0-2)

1101066-12 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**74**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**12.1**	2.69	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**86.8**	10.8	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.35	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**29.7**	2.69	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**32.4**	0.807	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.61	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.69	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	**0.0542**	0.0392	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	
Volatile Organic Compounds by GC/MS									
Acetone	**0.189**	0.0679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	
Benzene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromodichloromethane	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromoform	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromomethane	ND	0.0136	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Butylbenzene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Butanone	**0.0263**	0.0136	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	
Carbon disulfide	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Carbon tetrachloride	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chlorobenzene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroethane	ND	0.0136	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroform	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloromethane	ND	0.0136	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Cyclohexane	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dibromochloromethane	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dichlorodifluoromethane	ND	0.0136	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethane	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichloroethane	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U

SB-6 (0-2)

1101066-12 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Hexane	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Hexanone	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Isopropylbenzene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylene chloride	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl Acetate	ND	0.0136	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylcyclohexane	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Naphthalene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Propylbenzene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Styrene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Tetrachloroethene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Toluene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichloroethene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichlorofluoromethane	ND	0.0136	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Vinyl chloride	ND	0.0136	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	0.00679	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*90.1 %*	*85-120*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*104 %*	*80-125*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*75-140*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*97.8 %*	*85-115*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	

SB-6 (0-2)

1101066-12 (Solid)

Empirical Laboratories, LLC

Organochlorine Pesticides and PCBs by GC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4,4'-DDE	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
4,4'-DDD [2C]	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
4,4'-DDT [2C]	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Aldrin	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
alpha-BHC	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
alpha-Chlordane	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
beta-BHC	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
delta-BHC	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Dieldrin	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endosulfan I	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endosulfan II [2C]	**1.04**	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endosulfan sulfate	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endrin [2C]	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endrin aldehyde	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endrin ketone	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
gamma-BHC (Lindane) [2C]	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
gamma-Chlordane	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Heptachlor	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Heptachlor epoxide	ND	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Methoxychlor [2C]	**4.15**	0.901	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Chlordane (tech)	ND	2.29	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Toxaphene	ND	44.4	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Surrogate: Tetrachloro-m-xylene	*66.2 %*		*70-125*		*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	
Surrogate: Tetrachloro-m-xylene [2C]	*62.3 %*		*70-125*		*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	
Surrogate: Decachlorobiphenyl	*71.0 %*		*55-130*		*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	
Surrogate: Decachlorobiphenyl [2C]	*56.2 %*		*55-130*		*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	

SB-6 (0-2)

1101066-12 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
Acenaphthylene	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	**1.34**	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Benzo(a)pyrene	**1.46**	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S
Benzo(b)fluoranthene	**1.97**	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S
Benzo(g,h,i)perylene	**0.687**	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S Y
Benzoic acid	ND	1.74	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(k)fluoranthene	**0.869**	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S
4-Bromophenyl-phenylether	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Butylbenzylphthalate	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chloro-3-methylphenol	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Chloroaniline	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Bis(2-chloroethoxy)methane	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2,2'-Oxybis-1-chloropropane	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q X U
2-Chloronaphthalene	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Chlorophenol	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Chrysene	**1.26**	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Dibenz(a,h)anthracene	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
Dibenzofuran	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-butylphthalate	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
2,4-Dichlorophenol	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Diethylphthalate	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dimethylphenol	ND	1.74	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Dimethyl phthalate	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	4.41	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrophenol	ND	4.41	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrotoluene	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,6-Dinitrotoluene	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-octylphthalate	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
Bis(2-ethylhexyl)phthalate	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	**2.63**	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Fluorene	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobenzene	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobutadiene	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorocyclopentadiene	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U

SB-6 (0-2)

1101066-12 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	**0.593**	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S
Isophorone	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
2-Methylnaphthalene	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylphenol	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Methylphenol	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Naphthalene	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Nitrobenzene	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
4-Nitrophenol	ND	1.74	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Nitrophenol	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitrosodiphenylamine	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
N-Nitroso-di-n-propylamine	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pentachlorophenol	ND	1.74	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	**1.41**	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Phenol	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pyrene	**3.07**	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
2,4,6-Trichlorophenol	ND	0.441	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*75.8 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*74.8 %*	*35-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*99.1 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Phenol-d6	*86.1 %*	*40-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*105 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*62.1 %*	*35-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	Y

SB-6 (2-4)

1101066-13 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**77**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**12.0**	2.47	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**158**	9.89	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.24	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**36.3**	2.47	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**48.1**	0.742	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.48	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.47	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	M U
Mercury by CVAA									
Mercury	**0.0722**	0.0347	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	
Volatile Organic Compounds by GC/MS									
Acetone	**0.321**	0.0469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	
Benzene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromodichloromethane	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromoform	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromomethane	ND	0.00938	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Butylbenzene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Butanone	**0.0423**	0.00938	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	
Carbon disulfide	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Carbon tetrachloride	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chlorobenzene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroethane	ND	0.00938	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroform	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloromethane	ND	0.00938	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Cyclohexane	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dibromochloromethane	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dichlorodifluoromethane	ND	0.00938	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethane	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichloroethane	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U

SB-6 (2-4)

1101066-13 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Hexane	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Hexanone	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Isopropylbenzene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylene chloride	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl Acetate	ND	0.00938	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylcyclohexane	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Naphthalene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Propylbenzene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Styrene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Tetrachloroethene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Toluene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichloroethene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichlorofluoromethane	ND	0.00938	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Vinyl chloride	ND	0.00938	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	0.00469	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*88.1 %*	*85-120*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*110 %*	*80-125*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*116 %*	*75-140*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*95.3 %*	*85-115*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	

SB-6 (2-4)

1101066-13 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Semivolatile Organic Compounds by GC/MS									
Acenaphthene	ND	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Acenaphthylene	ND	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	**993**	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Benzo(a)pyrene	**1030**	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Benzo(b)fluoranthene	**1380**	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Benzo(g,h,i)perylene	**613**	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y
Benzo(k)fluoranthene	**549**	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Chrysene	**829**	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Dibenz(a,h)anthracene	ND	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	**1700**	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Fluorene	ND	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	**468**	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
1-Methylnaphthalene	ND	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylnaphthalene	ND	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Naphthalene	ND	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	**641**	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Pyrene	**1900**	420	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	
Surrogate: 2-Fluorobiphenyl	*73.9 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*96.0 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Terphenyl-d14	*97.4 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	

SB-4 (0-2)

1101066-14 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**83**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**5.20**	2.41	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**63.7**	9.65	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.21	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**23.7**	2.41	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**20.2**	0.724	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.45	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.41	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	**0.0875**	0.0373	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	
Volatile Organic Compounds by GC/MS									
Acetone	**0.136**	0.0443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	
Benzene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromodichloromethane	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromoform	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromomethane	ND	0.00886	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Butylbenzene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Butanone	**0.0164**	0.00886	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	
Carbon disulfide	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Carbon tetrachloride	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chlorobenzene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroethane	ND	0.00886	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroform	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloromethane	ND	0.00886	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Cyclohexane	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dibromochloromethane	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dichlorodifluoromethane	ND	0.00886	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethane	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichloroethane	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U

SB-4 (0-2)

1101066-14 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Hexane	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Hexanone	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Isopropylbenzene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylene chloride	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl Acetate	ND	0.00886	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylcyclohexane	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Naphthalene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Propylbenzene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Styrene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Tetrachloroethene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Toluene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichloroethene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichlorofluoromethane	ND	0.00886	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Vinyl chloride	ND	0.00886	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	0.00443	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*93.2 %*	*85-120*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*106 %*	*80-125*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*107 %*	*75-140*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*94.5 %*	*85-115*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	

SB-4 (0-2)

1101066-14 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Acenaphthylene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)pyrene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(b)fluoranthene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(g,h,i)perylene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Benzoic acid	ND	1.54	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(k)fluoranthene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Bromophenyl-phenylether	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Butylbenzylphthalate	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chloro-3-methylphenol	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Chloroaniline	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Bis(2-chloroethoxy)methane	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2,2'-Oxybis-1-chloropropane	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2-Chloronaphthalene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Chlorophenol	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Chrysene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenz(a,h)anthracene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenzofuran	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-butylphthalate	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
2,4-Dichlorophenol	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Diethylphthalate	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dimethylphenol	ND	1.54	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Dimethyl phthalate	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	3.90	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrophenol	ND	3.90	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrotoluene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,6-Dinitrotoluene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-octylphthalate	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluorene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobenzene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobutadiene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorocyclopentadiene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U

SB-4 (0-2)

1101066-14 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Isophorone	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
2-Methylnaphthalene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylphenol	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Methylphenol	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Naphthalene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Nitrobenzene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
4-Nitrophenol	ND	1.54	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Nitrophenol	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitrosodiphenylamine	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
N-Nitroso-di-n-propylamine	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pentachlorophenol	ND	1.54	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenol	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pyrene	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4,6-Trichlorophenol	ND	0.390	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*80.2 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*76.0 %*	*35-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*103 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Phenol-d6	*94.9 %*	*40-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*85.2 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*43.7 %*	*35-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	Y

SB-15 (0-2)

1101066-15 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**87**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**11.9**	2.31	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**124**	9.24	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.16	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**12.3**	2.31	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**18.3**	0.693	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.39	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.31	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	ND	0.0330	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	U
Volatile Organic Compounds by GC/MS									
Acetone	ND	0.0534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Benzene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromodichloromethane	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromoform	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromomethane	ND	0.0107	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Butylbenzene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Butanone	ND	0.0107	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Carbon disulfide	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Carbon tetrachloride	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chlorobenzene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroethane	ND	0.0107	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroform	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloromethane	ND	0.0107	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Cyclohexane	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dibromochloromethane	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dichlorodifluoromethane	ND	0.0107	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethane	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichloroethane	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U

SB-15 (0-2)

1101066-15 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Hexane	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Hexanone	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Isopropylbenzene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylene chloride	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl Acetate	ND	0.0107	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylcyclohexane	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Naphthalene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Propylbenzene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Styrene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Tetrachloroethene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Toluene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichloroethene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichlorofluoromethane	ND	0.0107	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Vinyl chloride	ND	0.0107	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	0.00534	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*90.3 %*	*85-120*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*107 %*	*80-125*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*75-140*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*92.4 %*	*85-115*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	

SB-15 (0-2)

1101066-15 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Acenaphthylene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)pyrene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(b)fluoranthene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(g,h,i)perylene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Benzoic acid	ND	1.45	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(k)fluoranthene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Bromophenyl-phenylether	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Butylbenzylphthalate	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chloro-3-methylphenol	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Chloroaniline	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Bis(2-chloroethoxy)methane	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2,2'-Oxybis-1-chloropropane	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2-Chloronaphthalene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Chlorophenol	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Chrysene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenz(a,h)anthracene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenzofuran	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-butylphthalate	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
2,4-Dichlorophenol	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Diethylphthalate	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dimethylphenol	ND	1.45	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Dimethyl phthalate	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	3.69	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrophenol	ND	3.69	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrotoluene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,6-Dinitrotoluene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-octylphthalate	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluorene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobenzene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobutadiene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorocyclopentadiene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U

SB-15 (0-2)

1101066-15 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Isophorone	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
2-Methylnaphthalene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylphenol	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Methylphenol	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Naphthalene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Nitrobenzene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
4-Nitrophenol	ND	1.45	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Nitrophenol	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitrosodiphenylamine	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
N-Nitroso-di-n-propylamine	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pentachlorophenol	ND	1.45	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenol	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pyrene	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4,6-Trichlorophenol	ND	0.369	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*76.9 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*83.4 %*	*35-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*105 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Phenol-d6	*96.9 %*	*40-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*95.0 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*76.6 %*	*35-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	Y

SB-15 (2-4)

1101066-16 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**80**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Volatile Organic Compounds by GC/MS									
Benzene	ND	0.00503	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	0.00503	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Toluene	ND	0.00503	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	0.00503	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*93.4 %*	*85-120*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*107 %*	*80-125*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*110 %*	*75-140*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*92.7 %*	*85-115*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Semivolatile Organic Compounds by GC/MS									
Acenaphthene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Acenaphthylene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)pyrene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(b)fluoranthene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(g,h,i)perylene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Benzo(k)fluoranthene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Chrysene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenz(a,h)anthracene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluorene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
1-Methylnaphthalene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylnaphthalene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Naphthalene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Pyrene	ND	411	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*78.6 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*106 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Terphenyl-d14	*83.7 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	

SB-15 (2-4)

1101066-16RE1 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Metals (Total) by ICP									
Lead	**9.63**	1.55	mg/Kg dry	2	1A21005	01/21/11	01/24/11	SW6010C	D

SB-7 (0-2)

1101066-17 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**78**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**13.1**	2.64	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**122**	10.6	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.32	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**29.2**	2.64	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**21.9**	0.792	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.58	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.64	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	**0.0434**	0.0422	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	
Volatile Organic Compounds by GC/MS									
Acetone	**0.295**	0.0492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	
Benzene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromodichloromethane	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromoform	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromomethane	ND	0.00985	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Butylbenzene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Butanone	**0.0433**	0.00985	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	
Carbon disulfide	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Carbon tetrachloride	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chlorobenzene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroethane	ND	0.00985	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroform	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloromethane	ND	0.00985	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Cyclohexane	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dibromochloromethane	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dichlorodifluoromethane	ND	0.00985	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethane	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichloroethane	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U

SB-7 (0-2)

1101066-17 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Hexane	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Hexanone	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Isopropylbenzene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylene chloride	**0.0265**	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	
Methyl Acetate	ND	0.00985	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylcyclohexane	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Naphthalene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Propylbenzene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Styrene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Tetrachloroethene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Toluene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichloroethene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichlorofluoromethane	ND	0.00985	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Vinyl chloride	ND	0.00985	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	0.00492	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*92.6 %*	*85-120*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*112 %*	*80-125*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*115 %*	*75-140*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*100 %*	*85-115*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	

SB-7 (0-2)

1101066-17 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
Acenaphthylene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)pyrene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
Benzo(b)fluoranthene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
Benzo(g,h,i)perylene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S Y U
Benzoic acid	ND	1.64	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(k)fluoranthene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
4-Bromophenyl-phenylether	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Butylbenzylphthalate	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chloro-3-methylphenol	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Chloroaniline	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Bis(2-chloroethoxy)methane	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2,2'-Oxybis-1-chloropropane	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2-Chloronaphthalene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Chlorophenol	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Chrysene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenz(a,h)anthracene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
Dibenzofuran	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-butylphthalate	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
2,4-Dichlorophenol	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Diethylphthalate	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dimethylphenol	ND	1.64	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Dimethyl phthalate	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	4.17	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrophenol	ND	4.17	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrotoluene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,6-Dinitrotoluene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-octylphthalate	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
Bis(2-ethylhexyl)phthalate	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluorene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobenzene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobutadiene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorocyclopentadiene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U

SB-7 (0-2)

1101066-17 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	S U
Isophorone	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
2-Methylnaphthalene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylphenol	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Methylphenol	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Naphthalene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Nitrobenzene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
4-Nitrophenol	ND	1.64	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Nitrophenol	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitrosodiphenylamine	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
N-Nitroso-di-n-propylamine	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pentachlorophenol	ND	1.64	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenol	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pyrene	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4,6-Trichlorophenol	ND	0.417	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*75.6 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*81.3 %*	*35-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*102 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Phenol-d6	*91.4 %*	*40-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*125 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*64.4 %*	*35-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	Y

SB-8 (0-2)

1101066-18 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**77**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**14.0**	2.70	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**154**	10.8	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.35	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**33.6**	2.70	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**41.4**	0.811	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.62	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.70	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	M U
Mercury by CVAA									
Mercury	**0.0616**	0.0401	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	
Volatile Organic Compounds by GC/MS									
Acetone	**0.648**	0.0506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	
Benzene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromodichloromethane	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromoform	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromomethane	ND	0.0101	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Butylbenzene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Butanone	**0.0862**	0.0101	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	
Carbon disulfide	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Carbon tetrachloride	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chlorobenzene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroethane	ND	0.0101	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroform	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloromethane	ND	0.0101	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Cyclohexane	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dibromochloromethane	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dichlorodifluoromethane	ND	0.0101	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethane	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichloroethane	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U

SB-8 (0-2)

1101066-18 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Hexane	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Hexanone	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Isopropylbenzene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylene chloride	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl Acetate	ND	0.0101	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylcyclohexane	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Naphthalene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Propylbenzene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Styrene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Tetrachloroethene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Toluene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichloroethene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichlorofluoromethane	ND	0.0101	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Vinyl chloride	ND	0.0101	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	0.00506	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*89.0 %*	*85-120*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*108 %*	*80-125*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*75-140*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*96.0 %*	*85-115*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	

Hart & Hickman	Project: HH-Rome Oil Mill	
2923 S. Tryon #100	Project Number: H&H-ROM-001	**Reported:**
Charlotte NC, 28203	Project Manager: Joselyn Harriger	02/02/2011 19:44

SB-8 (0-2)

1101066-18 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Organochlorine Pesticides and PCBs by GC									
4,4'-DDE [2C]	**1.59**	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
4,4'-DDD [2C]	ND	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
4,4'-DDT	**2.65**	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Aldrin	ND	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
alpha-BHC [2C]	ND	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
alpha-Chlordane	ND	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
beta-BHC	ND	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
delta-BHC	ND	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Dieldrin	**5.56**	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endosulfan I	ND	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endosulfan II [2C]	ND	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endosulfan sulfate	ND	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endrin	ND	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endrin aldehyde	ND	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Endrin ketone	ND	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
gamma-BHC (Lindane)	ND	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
gamma-Chlordane	ND	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Heptachlor [2C]	ND	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Heptachlor epoxide	ND	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Methoxychlor [2C]	**4.02**	0.841	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Chlordane (tech)	ND	2.13	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Toxaphene	ND	41.4	ug/Kg dry	1	1A19015	01/20/11	01/25/11	SW8081A	
Surrogate: Tetrachloro-m-xylene	*71.4 %*		*70-125*		*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	
Surrogate: Tetrachloro-m-xylene [2C]	*67.9 %*		*70-125*		*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	
Surrogate: Decachlorobiphenyl	*81.6 %*		*55-130*		*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	
Surrogate: Decachlorobiphenyl [2C]	*64.5 %*		*55-130*		*1A19015*	*01/20/11*	*01/25/11*	*SW8081A*	

SB-8 (0-2)

1101066-18 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Acenaphthylene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)pyrene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(b)fluoranthene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(g,h,i)perylene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Benzoic acid	ND	1.66	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(k)fluoranthene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Bromophenyl-phenylether	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Butylbenzylphthalate	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chloro-3-methylphenol	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Chloroaniline	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Bis(2-chloroethoxy)methane	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2,2'-Oxybis-1-chloropropane	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2-Chloronaphthalene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Chlorophenol	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Chrysene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenz(a,h)anthracene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenzofuran	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-butylphthalate	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
2,4-Dichlorophenol	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Diethylphthalate	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dimethylphenol	ND	1.66	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Dimethyl phthalate	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	4.22	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrophenol	ND	4.22	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrotoluene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,6-Dinitrotoluene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-octylphthalate	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluorene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobenzene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobutadiene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorocyclopentadiene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U

SB-8 (0-2)

1101066-18 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Isophorone	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
2-Methylnaphthalene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylphenol	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Methylphenol	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Naphthalene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Nitrobenzene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
4-Nitrophenol	ND	1.66	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Nitrophenol	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitrosodiphenylamine	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
N-Nitroso-di-n-propylamine	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pentachlorophenol	ND	1.66	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenol	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pyrene	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4,6-Trichlorophenol	ND	0.422	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*80.6 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*83.8 %*	*35-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*108 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Phenol-d6	*95.4 %*	*40-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*95.2 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*75.6 %*	*35-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	Y

SB-7 (8-10)

1101066-19 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Classical Chemistry Parameters									
% Solids	**73**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**6.64**	2.72	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**24.0**	10.9	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.36	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**8.86**	2.72	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**5.52**	0.817	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.63	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.72	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	ND	0.0435	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	U
Volatile Organic Compounds by GC/MS									
Acetone	ND	0.0556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Benzene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromodichloromethane	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromoform	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromomethane	ND	0.0111	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Butylbenzene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Butanone	ND	0.0111	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Carbon disulfide	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Carbon tetrachloride	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chlorobenzene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroethane	ND	0.0111	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroform	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloromethane	ND	0.0111	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Cyclohexane	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dibromochloromethane	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dichlorodifluoromethane	ND	0.0111	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethane	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichloroethane	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U

SB-7 (8-10)

1101066-19 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Hexane	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Hexanone	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Isopropylbenzene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylene chloride	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl Acetate	ND	0.0111	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylcyclohexane	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Naphthalene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Propylbenzene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Styrene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Tetrachloroethene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Toluene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichloroethene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichlorofluoromethane	ND	0.0111	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Vinyl chloride	ND	0.0111	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	0.00556	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*98.7 %*	*85-120*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*111 %*	*80-125*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*116 %*	*75-140*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*93.7 %*	*85-115*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	

SB-7 (8-10)

1101066-19 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Acenaphthylene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)pyrene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(b)fluoranthene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(g,h,i)perylene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Benzo(k)fluoranthene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Chrysene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenz(a,h)anthracene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluorene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
1-Methylnaphthalene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylnaphthalene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Naphthalene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Pyrene	ND	435	ug/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*77.0 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*102 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Terphenyl-d14	*83.5 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	

SB-11 (0-2)

1101066-20 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Classical Chemistry Parameters									
% Solids	**73**	1.0	%	1	1A20015	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**10.0**	2.67	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**77.2**	10.7	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.34	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**15.1**	2.67	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**23.1**	0.802	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.60	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.67	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	ND	0.0386	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	U
Volatile Organic Compounds by GC/MS									
Acetone	**0.0922**	0.0630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	
Benzene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromodichloromethane	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromoform	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromomethane	ND	0.0126	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Butylbenzene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Butanone	ND	0.0126	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Carbon disulfide	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Carbon tetrachloride	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chlorobenzene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroethane	ND	0.0126	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroform	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloromethane	ND	0.0126	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Cyclohexane	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dibromochloromethane	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dichlorodifluoromethane	ND	0.0126	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethane	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichloroethane	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U

SB-11 (0-2)

1101066-20 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Hexane	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Hexanone	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Isopropylbenzene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylene chloride	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl Acetate	ND	0.0126	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylcyclohexane	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Naphthalene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Propylbenzene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Styrene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Tetrachloroethene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Toluene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichloroethene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichlorofluoromethane	ND	0.0126	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Vinyl chloride	ND	0.0126	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	0.00630	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*88.7 %*	*85-120*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*112 %*	*80-125*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*113 %*	*75-140*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*99.2 %*	*85-115*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	

SB-11 (0-2)

1101066-20 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Acenaphthylene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Anthracene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)anthracene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(a)pyrene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(b)fluoranthene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(g,h,i)perylene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Benzoic acid	ND	1.75	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Benzo(k)fluoranthene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Bromophenyl-phenylether	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Butylbenzylphthalate	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chloro-3-methylphenol	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Chloroaniline	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
Bis(2-chloroethoxy)methane	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2,2'-Oxybis-1-chloropropane	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X Q U
2-Chloronaphthalene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Chlorophenol	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Chrysene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenz(a,h)anthracene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Dibenzofuran	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-butylphthalate	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
2,4-Dichlorophenol	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Diethylphthalate	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dimethylphenol	ND	1.75	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Dimethyl phthalate	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	4.44	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrophenol	ND	4.44	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4-Dinitrotoluene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,6-Dinitrotoluene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Di-n-octylphthalate	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluoranthene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Fluorene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobenzene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorobutadiene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Hexachlorocyclopentadiene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U

SB-11 (0-2)

1101066-20 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Isophorone	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
2-Methylnaphthalene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Methylphenol	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
4-Methylphenol	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Naphthalene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Nitrobenzene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	X U
4-Nitrophenol	ND	1.75	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2-Nitrophenol	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
N-Nitrosodiphenylamine	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Y U
N-Nitroso-di-n-propylamine	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pentachlorophenol	ND	1.75	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenanthrene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Phenol	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	Q U
Pyrene	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
2,4,6-Trichlorophenol	ND	0.444	mg/Kg dry	1	1A19013	01/20/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*77.7 %*	*45-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*87.3 %*	*35-105*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*105 %*	*35-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	X
Surrogate: Phenol-d6	*97.2 %*	*40-100*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*85.0 %*	*30-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*72.7 %*	*35-125*			*1A19013*	*01/20/11*	*01/26/11*	*SW8270C*	Y

SB-11 (2-4)

1101066-21 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**80**	1.0	%	1	1A20013	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**10.7**	2.34	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Barium	**80.2**	9.35	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.17	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Chromium	**26.4**	2.34	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Lead	**83.5**	0.701	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.40	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.34	mg/Kg dry	1	1A21005	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	**0.0494**	0.0335	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	
Volatile Organic Compounds by GC/MS									
Acetone	**0.0712**	0.0527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	
Benzene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromodichloromethane	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromoform	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromomethane	ND	0.0105	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Butylbenzene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Butanone	**0.0119**	0.0105	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	
Carbon disulfide	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Carbon tetrachloride	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chlorobenzene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroethane	ND	0.0105	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroform	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloromethane	ND	0.0105	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Cyclohexane	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dibromochloromethane	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dichlorodifluoromethane	ND	0.0105	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethane	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichloroethane	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U

SB-11 (2-4)

1101066-21 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Hexane	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Hexanone	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Isopropylbenzene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylene chloride	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl Acetate	ND	0.0105	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylcyclohexane	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Naphthalene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Propylbenzene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Styrene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Tetrachloroethene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Toluene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichloroethene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichlorofluoromethane	ND	0.0105	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Vinyl chloride	ND	0.0105	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	0.00527	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*88.7 %*	*85-120*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*108 %*	*80-125*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*111 %*	*75-140*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*92.3 %*	*85-115*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	

SB-11 (2-4)

1101066-21 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Acenaphthylene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Anthracene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Benzo(a)anthracene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Benzo(a)pyrene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Benzo(b)fluoranthene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Benzo(g,h,i)perylene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Benzoic acid	ND	1.58	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Benzo(k)fluoranthene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
4-Bromophenyl-phenylether	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Butylbenzylphthalate	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
4-Chloro-3-methylphenol	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
4-Chloroaniline	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	Y U
Bis(2-chloroethoxy)methane	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Bis(2-chloroethyl)ether	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2,2'-Oxybis-1-chloropropane	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2-Chloronaphthalene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2-Chlorophenol	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Chrysene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Dibenz(a,h)anthracene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Dibenzofuran	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Di-n-butylphthalate	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	Y U
2,4-Dichlorophenol	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Diethylphthalate	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2,4-Dimethylphenol	ND	1.58	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Dimethyl phthalate	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	4.02	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2,4-Dinitrophenol	ND	4.02	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2,4-Dinitrotoluene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2,6-Dinitrotoluene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Di-n-octylphthalate	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Fluoranthene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Fluorene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Hexachlorobenzene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Hexachlorobutadiene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Hexachlorocyclopentadiene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U

SB-11 (2-4)

1101066-21 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Isophorone	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2-Methylnaphthalene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2-Methylphenol	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
4-Methylphenol	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Naphthalene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Nitrobenzene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
4-Nitrophenol	ND	1.58	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2-Nitrophenol	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
N-Nitrosodiphenylamine	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
N-Nitroso-di-n-propylamine	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Pentachlorophenol	ND	1.58	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Phenanthrene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Phenol	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Pyrene	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2,4,6-Trichlorophenol	ND	0.402	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*79.1 %*	*45-105*			*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*74.9 %*	*35-105*			*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*76.4 %*	*35-100*			*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*	
Surrogate: Phenol-d6	*81.3 %*	*40-100*			*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*87.5 %*	*30-125*			*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*89.0 %*	*35-125*			*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*	

SB-12 (4-6)

1101066-22 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**81**	1.0	%	1	1A20013	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**11.2**	2.38	mg/Kg dry	1	1A21010	01/21/11	01/24/11	SW6010C	
Barium	**119**	9.51	mg/Kg dry	1	1A21010	01/21/11	01/24/11	SW6010C	
Cadmium	ND	1.19	mg/Kg dry	1	1A21010	01/21/11	01/24/11	SW6010C	U
Chromium	**38.0**	2.38	mg/Kg dry	1	1A21010	01/21/11	01/24/11	SW6010C	
Lead	**93.1**	0.713	mg/Kg dry	1	1A21010	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.43	mg/Kg dry	1	1A21010	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.38	mg/Kg dry	1	1A21010	01/21/11	01/24/11	SW6010C	M U
Mercury by CVAA									
Mercury	**0.130**	0.0330	mg/Kg dry	1	1A21012	01/21/11	01/26/11	SW7471B	
Volatile Organic Compounds by GC/MS									
Acetone	ND	0.0453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Benzene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromodichloromethane	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromoform	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Bromomethane	ND	0.00906	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Butylbenzene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Butanone	ND	0.00906	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Carbon disulfide	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Carbon tetrachloride	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chlorobenzene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroethane	ND	0.00906	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloroform	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Chloromethane	ND	0.00906	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Cyclohexane	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dibromochloromethane	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Dichlorodifluoromethane	ND	0.00906	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethane	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2-Dichloroethane	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U

SB-12 (4-6)

1101066-22 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Hexane	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
2-Hexanone	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Isopropylbenzene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylene chloride	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl Acetate	ND	0.00906	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methylcyclohexane	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Naphthalene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
n-Propylbenzene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Styrene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Tetrachloroethene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Toluene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichloroethene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Trichlorofluoromethane	ND	0.00906	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Vinyl chloride	ND	0.00906	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	0.00453	mg/Kg dry	1	1A21026	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*93.1 %*	*85-120*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*109 %*	*80-125*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*115 %*	*75-140*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*91.1 %*	*85-115*			*1A21026*	*01/21/11*	*01/22/11*	*SW8260B*	

SB-12 (4-6)

1101066-22 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Semivolatile Organic Compounds by GC/MS									
Acenaphthene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Acenaphthylene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Anthracene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Benzo(a)anthracene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Benzo(a)pyrene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Benzo(b)fluoranthene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Benzo(g,h,i)perylene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Benzoic acid	ND	1.61	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Benzo(k)fluoranthene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
4-Bromophenyl-phenylether	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Butylbenzylphthalate	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
4-Chloro-3-methylphenol	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
4-Chloroaniline	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	Y U
Bis(2-chloroethoxy)methane	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Bis(2-chloroethyl)ether	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2,2'-Oxybis-1-chloropropane	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2-Chloronaphthalene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2-Chlorophenol	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Chrysene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Dibenz(a,h)anthracene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Dibenzofuran	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Di-n-butylphthalate	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	Y U
2,4-Dichlorophenol	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Diethylphthalate	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2,4-Dimethylphenol	ND	1.61	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Dimethyl phthalate	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	4.08	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2,4-Dinitrophenol	ND	4.08	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2,4-Dinitrotoluene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2,6-Dinitrotoluene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Di-n-octylphthalate	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Fluoranthene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Fluorene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Hexachlorobenzene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Hexachlorobutadiene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Hexachlorocyclopentadiene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U

SB-12 (4-6)

1101066-22 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Isophorone	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2-Methylnaphthalene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2-Methylphenol	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
4-Methylphenol	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Naphthalene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Nitrobenzene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
4-Nitrophenol	ND	1.61	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2-Nitrophenol	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
N-Nitrosodiphenylamine	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
N-Nitroso-di-n-propylamine	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Pentachlorophenol	ND	1.61	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Phenanthrene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Phenol	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Pyrene	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
2,4,6-Trichlorophenol	ND	0.408	mg/Kg dry	1	1A19014	01/20/11	01/28/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*88.7 %*	*45-105*			*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*81.4 %*	*35-105*			*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*73.9 %*	*35-100*			*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*	
Surrogate: Phenol-d6	*82.8 %*	*40-100*			*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*87.1 %*	*30-125*			*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*96.7 %*	*35-125*			*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*	

SB-13 (0-2)

1101066-23 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**83**	1.0	%	1	1A20013	01/20/11	01/21/11	SM2540B	
Metals (Total) by ICP									
Arsenic	**25.7**	2.44	mg/Kg dry	1	1A21010	01/21/11	01/24/11	SW6010C	
Barium	**287**	9.77	mg/Kg dry	1	1A21010	01/21/11	01/24/11	SW6010C	
Cadmium	**1.39**	1.22	mg/Kg dry	1	1A21010	01/21/11	01/24/11	SW6010C	
Chromium	**20.6**	2.44	mg/Kg dry	1	1A21010	01/21/11	01/24/11	SW6010C	
Lead	**266**	0.733	mg/Kg dry	1	1A21010	01/21/11	01/24/11	SW6010C	
Selenium	ND	1.47	mg/Kg dry	1	1A21010	01/21/11	01/24/11	SW6010C	U
Silver	ND	2.44	mg/Kg dry	1	1A21010	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	**0.221**	0.0413	mg/Kg dry	1	1A27003	01/27/11	01/27/11	SW7471B	
Semivolatile Organic Compounds by GC/MS									
Acenaphthene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Acenaphthylene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Anthracene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U D
Benzo(a)anthracene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U D
Benzo(a)pyrene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U D
Benzo(b)fluoranthene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U D
Benzo(g,h,i)perylene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U D
Benzoic acid	ND	15.5	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Benzo(k)fluoranthene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U D
4-Bromophenyl-phenylether	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Butylbenzylphthalate	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
4-Chloro-3-methylphenol	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
4-Chloroaniline	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	Y U
Bis(2-chloroethoxy)methane	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Bis(2-chloroethyl)ether	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
2,2'-Oxybis-1-chloropropane	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
2-Chloronaphthalene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
2-Chlorophenol	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Chrysene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U D
Dibenz(a,h)anthracene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Dibenzofuran	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Di-n-butylphthalate	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	Y U
2,4-Dichlorophenol	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Diethylphthalate	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U

SB-13 (0-2)

1101066-23 (Solid)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2,4-Dimethylphenol	ND	15.5	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Dimethyl phthalate	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	39.4	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
2,4-Dinitrophenol	ND	39.4	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
2,4-Dinitrotoluene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
2,6-Dinitrotoluene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Di-n-octylphthalate	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Fluoranthene	**5.53**	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	D
Fluorene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Hexachlorobenzene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Hexachlorobutadiene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Hexachlorocyclopentadiene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Hexachloroethane	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U D
Isophorone	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
2-Methylnaphthalene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
2-Methylphenol	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
4-Methylphenol	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Naphthalene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Nitrobenzene	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
4-Nitrophenol	ND	15.5	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
2-Nitrophenol	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
N-Nitrosodiphenylamine	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
N-Nitroso-di-n-propylamine	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Pentachlorophenol	ND	15.5	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Phenanthrene	**5.14**	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	D
Phenol	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U
Pyrene	**5.32**	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	D
2,4,6-Trichlorophenol	ND	3.94	mg/Kg dry	10	1A19014	01/20/11	01/28/11	SW8270C	U

Surrogate: 2-Fluorobiphenyl	*87.6 %*	*45-105*	*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*
Surrogate: 2-Fluorophenol	*74.3 %*	*35-105*	*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*
Surrogate: Nitrobenzene-d5	*75.2 %*	*35-100*	*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*
Surrogate: Phenol-d6	*79.5 %*	*40-100*	*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*
Surrogate: Terphenyl-d14	*98.1 %*	*30-125*	*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*
Surrogate: 2,4,6-Tribromophenol	*76.1 %*	*35-125*	*1A19014*	*01/20/11*	*01/28/11*	*SW8270C*

SB-13 (0-2)

1101066-23RE1 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	**0.244**	0.0585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X Q
Benzene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Bromodichloromethane	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Bromoform	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Bromomethane	ND	0.0117	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	Q X U
n-Butylbenzene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
2-Butanone	**0.0246**	0.0117	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X Q
Carbon disulfide	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Carbon tetrachloride	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Chlorobenzene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Chloroethane	ND	0.0117	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X U
Chloroform	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Chloromethane	ND	0.0117	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X Q U
Cyclohexane	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Dibromochloromethane	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,2-Dichlorobenzene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,3-Dichlorobenzene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,4-Dichlorobenzene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Dichlorodifluoromethane	ND	0.0117	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X U
1,1-Dichloroethane	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,2-Dichloroethane	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,1-Dichloroethene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
cis-1,2-Dichloroethene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
trans-1,2-Dichloroethene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,2-Dichloropropane	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
cis-1,3-Dichloropropene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
trans-1,3-Dichloropropene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Ethylbenzene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Hexane	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
2-Hexanone	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Isopropylbenzene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Methylene chloride	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Methyl Acetate	ND	0.0117	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Methylcyclohexane	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Naphthalene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
4-Methyl-2-pentanone	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Methyl t-Butyl Ether	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U

SB-13 (0-2)

1101066-23RE1 (Solid)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
n-Propylbenzene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Styrene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Tetrachloroethene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Toluene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,1,2-Trichloroethane	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,1,1-Trichloroethane	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Trichloroethene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Trichlorofluoromethane	ND	0.0117	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Vinyl chloride	ND	0.0117	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	X Q U
Xylenes (total)	ND	0.00585	mg/Kg dry	1	1A23001	01/23/11	01/23/11	SW8260B	U
Surrogate: Bromofluorobenzene	*92.8 %*	*85-120*			*1A23001*	*01/23/11*	*01/23/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*113 %*	*80-125*			*1A23001*	*01/23/11*	*01/23/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*116 %*	*75-140*			*1A23001*	*01/23/11*	*01/23/11*	*SW8260B*	
Surrogate: Toluene-d8	*95.5 %*	*85-115*			*1A23001*	*01/23/11*	*01/23/11*	*SW8260B*	

Classical Chemistry Parameters - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A20013										
Duplicate (1A20013-DUP1)		**Source: 1101056-03**		Prepared: 01/20/2011 Analyzed: 01/21/2011						
% Solids	91.82	1.0	%		89.08			3.03	20	
Batch 1A20015										
Duplicate (1A20015-DUP1)		**Source: 1101066-10**		Prepared: 01/20/2011 Analyzed: 01/21/2011						
% Solids	72.49	1.0	%		73.68			1.64	20	

Metals (Total) by ICP - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21005										
Blank (1A21005-BLK1)				Prepared: 01/21/2011 Analyzed: 01/24/2011						
Arsenic	ND	2.00	mg/Kg wet							
Barium	ND	8.00	mg/Kg wet							
Cadmium	ND	1.00	mg/Kg wet							
Chromium	ND	2.00	mg/Kg wet							
Lead	ND	0.600	mg/Kg wet							
Selenium	ND	1.20	mg/Kg wet							
Silver	ND	2.00	mg/Kg wet							
LCS (1A21005-BS1)				Prepared: 01/21/2011 Analyzed: 01/24/2011						
Arsenic	47.47	2.00	mg/Kg wet	50.00		94.9	80-120		20	
Barium	415.5	8.00	mg/Kg wet	400.0		104	80-120		20	
Cadmium	25.38	1.00	mg/Kg wet	25.00		102	80-120		20	
Chromium	41.36	2.00	mg/Kg wet	40.00		103	80-120		20	
Lead	50.05	0.600	mg/Kg wet	50.00		100	80-120		20	
Selenium	45.52	1.20	mg/Kg wet	50.00		91.0	80-120		20	
Silver	50.77	2.00	mg/Kg wet	50.00		102	80-120		20	
Matrix Spike (1A21005-MS1)	**Source: 1101066-10**			Prepared: 01/21/2011 Analyzed: 01/24/2011						
Arsenic	72.76	2.59	mg/Kg dry	64.63	10.60	96.2	80-120		20	
Barium	755.4	10.3	mg/Kg dry	517.0	220.2	104	80-120		20	
Cadmium	35.02	1.29	mg/Kg dry	32.31	0.4276	107	80-120		20	
Chromium	98.16	2.59	mg/Kg dry	51.70	41.45	110	80-120		20	
Lead	122.9	0.776	mg/Kg dry	64.63	85.90	57.3	80-120		20	
Selenium	58.01	1.55	mg/Kg dry	64.63	ND	89.8	80-120		20	
Silver	72.99	2.59	mg/Kg dry	64.63	ND	113	80-120		20	
Matrix Spike Dup (1A21005-MSD1)	**Source: 1101066-10**			Prepared: 01/21/2011 Analyzed: 01/24/2011						
Arsenic	65.76	2.47	mg/Kg dry	61.69	10.60	89.4	80-120	10.1	20	
Barium	744.5	9.87	mg/Kg dry	493.5	220.2	106	80-120	1.45	20	
Cadmium	33.34	1.23	mg/Kg dry	30.85	0.4276	107	80-120	4.92	20	
Chromium	111.7	2.47	mg/Kg dry	49.35	41.45	142	80-120	12.9	20	
Lead	115.0	0.740	mg/Kg dry	61.69	85.90	47.2	80-120	6.62	20	
Selenium	53.01	1.48	mg/Kg dry	61.69	ND	85.9	80-120	9.01	20	
Silver	60.34	2.47	mg/Kg dry	61.69	ND	97.8	80-120	19.0	20	

Metals (Total) by ICP - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21010										
Blank (1A21010-BLK1)				Prepared: 01/21/2011 Analyzed: 01/24/2011						
Arsenic	ND	2.00	mg/Kg wet							
Barium	ND	8.00	mg/Kg wet							
Cadmium	ND	1.00	mg/Kg wet							
Chromium	ND	2.00	mg/Kg wet							
Lead	ND	0.600	mg/Kg wet							
Selenium	ND	1.20	mg/Kg wet							
Silver	ND	2.00	mg/Kg wet							
LCS (1A21010-BS1)				Prepared: 01/21/2011 Analyzed: 01/24/2011						
Arsenic	48.48	2.00	mg/Kg wet	50.00		97.0	80-120		20	
Barium	402.4	8.00	mg/Kg wet	400.0		101	80-120		20	
Cadmium	25.27	1.00	mg/Kg wet	25.00		101	80-120		20	
Chromium	41.61	2.00	mg/Kg wet	40.00		104	80-120		20	
Lead	48.93	0.600	mg/Kg wet	50.00		97.9	80-120		20	
Selenium	46.12	1.20	mg/Kg wet	50.00		92.2	80-120		20	
Silver	50.89	2.00	mg/Kg wet	50.00		102	80-120		20	
Matrix Spike (1A21010-MS1)	**Source: 1101066-23**			Prepared: 01/21/2011 Analyzed: 01/24/2011						
Arsenic	74.09	2.30	mg/Kg dry	57.58	25.69	84.1	80-120		20	
Barium	609.7	9.21	mg/Kg dry	460.7	287.5	69.9	80-120		20	
Cadmium	31.01	1.15	mg/Kg dry	28.79	1.391	103	80-120		20	
Chromium	68.43	2.30	mg/Kg dry	46.07	20.56	104	80-120		20	
Lead	235.8	0.691	mg/Kg dry	57.58	265.7	NR	80-120		20	
Selenium	50.72	1.38	mg/Kg dry	57.58	1.080	86.2	80-120		20	
Silver	57.72	2.30	mg/Kg dry	57.58	ND	100	80-120		20	
Matrix Spike Dup (1A21010-MSD1)	**Source: 1101066-23**			Prepared: 01/21/2011 Analyzed: 01/24/2011						
Arsenic	88.89	2.44	mg/Kg dry	61.07	25.69	103	80-120	18.2	20	
Barium	776.3	9.77	mg/Kg dry	488.6	287.5	100	80-120	24.0	20	
Cadmium	35.11	1.22	mg/Kg dry	30.54	1.391	110	80-120	12.4	20	
Chromium	69.32	2.44	mg/Kg dry	48.86	20.56	99.8	80-120	1.28	20	
Lead	318.1	0.733	mg/Kg dry	61.07	265.7	85.9	80-120	29.7	20	
Selenium	57.34	1.47	mg/Kg dry	61.07	1.080	92.1	80-120	12.3	20	
Silver	62.50	2.44	mg/Kg dry	61.07	ND	102	80-120	7.96	20	

Mercury by CVAA - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21012										
Blank (1A21012-BLK1)				Prepared: 01/21/2011 Analyzed: 01/26/2011						
Mercury	ND	0.0330	mg/Kg wet							
LCS (1A21012-BS1)				Prepared: 01/21/2011 Analyzed: 01/26/2011						
Mercury	0.3534	0.0330	mg/Kg wet	0.3333		106	80-120			
Matrix Spike (1A21012-MS1)	**Source: 1101066-10**			Prepared: 01/21/2011 Analyzed: 01/26/2011						
Mercury	0.5214	0.0384	mg/Kg dry	0.3878	0.08376	113	80-120			
Matrix Spike Dup (1A21012-MSD1)	**Source: 1101066-10**			Prepared: 01/21/2011 Analyzed: 01/26/2011						
Mercury	0.5141	0.0395	mg/Kg dry	0.3992	0.08376	108	80-120	1.40	20	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21022										
Blank (1A21022-BLK1)				Prepared & Analyzed: 01/21/2011						
Acetone	ND	0.0500	mg/Kg wet							
Benzene	ND	0.00500	mg/Kg wet							
Bromodichloromethane	ND	0.00500	mg/Kg wet							
Bromoform	ND	0.00500	mg/Kg wet							
Bromomethane	ND	0.0100	mg/Kg wet							
n-Butylbenzene	ND	0.00500	mg/Kg wet							
2-Butanone	ND	0.0100	mg/Kg wet							
Carbon disulfide	ND	0.00500	mg/Kg wet							
Carbon tetrachloride	ND	0.00500	mg/Kg wet							
Chlorobenzene	ND	0.00500	mg/Kg wet							
Chloroethane	ND	0.0100	mg/Kg wet							
Chloroform	ND	0.00500	mg/Kg wet							
Chloromethane	ND	0.0100	mg/Kg wet							
Cyclohexane	ND	0.00500	mg/Kg wet							
Dibromochloromethane	ND	0.00500	mg/Kg wet							
1,2-Dibromo-3-chloropropane	ND	0.00500	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.00500	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.00500	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.00500	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.00500	mg/Kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/Kg wet							
1,1-Dichloroethane	ND	0.00500	mg/Kg wet							
1,2-Dichloroethane	ND	0.00500	mg/Kg wet							
1,1-Dichloroethene	ND	0.00500	mg/Kg wet							
cis-1,2-Dichloroethene	ND	0.00500	mg/Kg wet							
trans-1,2-Dichloroethene	ND	0.00500	mg/Kg wet							
1,2-Dichloropropane	ND	0.00500	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.00500	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.00500	mg/Kg wet							
Ethylbenzene	ND	0.00500	mg/Kg wet							
Hexane	ND	0.00500	mg/Kg wet							
2-Hexanone	ND	0.00500	mg/Kg wet							
Isopropylbenzene	ND	0.00500	mg/Kg wet							
Methylene chloride	ND	0.00500	mg/Kg wet							
Methyl Acetate	ND	0.0100	mg/Kg wet							
Methylcyclohexane	ND	0.00500	mg/Kg wet							
Naphthalene	ND	0.00500	mg/Kg wet							
4-Methyl-2-pentanone	ND	0.00500	mg/Kg wet							
Methyl t-Butyl Ether	ND	0.00500	mg/Kg wet							
n-Propylbenzene	ND	0.00500	mg/Kg wet							
Styrene	ND	0.00500	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.00500	mg/Kg wet							
Tetrachloroethene	ND	0.00500	mg/Kg wet							
Toluene	ND	0.00500	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.00500	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.00500	mg/Kg wet							

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21022										
Blank (1A21022-BLK1)				Prepared & Analyzed: 01/21/2011						
1,1,1-Trichloroethane	ND	0.00500	mg/Kg wet							
Trichloroethene	ND	0.00500	mg/Kg wet							
Trichlorofluoromethane	ND	0.0100	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.00500	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.00500	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00500	mg/Kg wet							
Vinyl chloride	ND	0.0100	mg/Kg wet							
Xylenes (total)	ND	0.00500	mg/Kg wet							
Surrogate: Bromofluorobenzene	*0.03186*		*mg/Kg wet*	*0.03000*		*106*	*85-120*			
Surrogate: Dibromofluoromethane	*0.02951*		*mg/Kg wet*	*0.03000*		*98.4*	*80-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.03275*		*mg/Kg wet*	*0.03000*		*109*	*75-140*			
Surrogate: Toluene-d8	*0.02813*		*mg/Kg wet*	*0.03000*		*93.8*	*85-115*			
LCS (1A21022-BS1)				Prepared & Analyzed: 01/21/2011						
Acetone	0.1129	0.0500	mg/Kg wet	0.1000		113	20-160		30	
Benzene	0.04238	0.00500	mg/Kg wet	0.05000		84.8	75-125		30	
Bromodichloromethane	0.04427	0.00500	mg/Kg wet	0.05000		88.5	70-130		30	
Bromoform	0.04555	0.00500	mg/Kg wet	0.05000		91.1	55-135		30	
Bromomethane	0.04138	0.0100	mg/Kg wet	0.05000		82.8	30-160		30	
n-Butylbenzene	0.04313	0.00500	mg/Kg wet	0.05000		86.3	65-140		30	
2-Butanone	0.1022	0.0100	mg/Kg wet	0.1000		102	30-160		30	
Carbon disulfide	0.04207	0.00500	mg/Kg wet	0.05000		84.1	45-160		30	
Carbon tetrachloride	0.04317	0.00500	mg/Kg wet	0.05000		86.3	65-135		30	
Chlorobenzene	0.04530	0.00500	mg/Kg wet	0.05000		90.6	75-125		30	
Chloroethane	0.04581	0.0100	mg/Kg wet	0.05000		91.6	40-155		30	
Chloroform	0.04116	0.00500	mg/Kg wet	0.05000		82.3	70-125		30	
Chloromethane	0.04869	0.0100	mg/Kg wet	0.05000		97.4	50-130		30	
Cyclohexane	0.03988	0.00500	mg/Kg wet	0.05000		79.8	65-140		30	
Dibromochloromethane	0.04596	0.00500	mg/Kg wet	0.05000		91.9	65-130		30	
1,2-Dibromo-3-chloropropane	0.04278	0.00500	mg/Kg wet	0.05000		85.6	40-135		30	
1,2-Dibromoethane (EDB)	0.04436	0.00500	mg/Kg wet	0.05000		88.7	70-125		30	
1,2-Dichlorobenzene	0.04341	0.00500	mg/Kg wet	0.05000		86.8	75-120		30	
1,3-Dichlorobenzene	0.04241	0.00500	mg/Kg wet	0.05000		84.8	70-125		30	
1,4-Dichlorobenzene	0.03951	0.00500	mg/Kg wet	0.05000		79.0	70-125		30	
Dichlorodifluoromethane	0.04879	0.0100	mg/Kg wet	0.05000		97.6	35-135		30	
1,1-Dichloroethane	0.04274	0.00500	mg/Kg wet	0.05000		85.5	75-125		30	
1,2-Dichloroethane	0.04323	0.00500	mg/Kg wet	0.05000		86.5	70-135		30	
1,1-Dichloroethene	0.04468	0.00500	mg/Kg wet	0.05000		89.4	65-135		30	
cis-1,2-Dichloroethene	0.04182	0.00500	mg/Kg wet	0.05000		83.6	65-125		30	
trans-1,2-Dichloroethene	0.04384	0.00500	mg/Kg wet	0.05000		87.7	65-135		30	
1,2-Dichloropropane	0.04208	0.00500	mg/Kg wet	0.05000		84.2	70-120		30	
cis-1,3-Dichloropropene	0.03943	0.00500	mg/Kg wet	0.05000		78.9	70-125		30	
trans-1,3-Dichloropropene	0.04777	0.00500	mg/Kg wet	0.05000		95.5	65-125		30	
Ethylbenzene	0.04329	0.00500	mg/Kg wet	0.05000		86.6	75-125		30	
Hexane	ND	0.00500	mg/Kg wet				60-130		30	
2-Hexanone	0.1059	0.00500	mg/Kg wet	0.1000		106	45-145		30	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21022										
LCS (1A21022-BS1)				Prepared & Analyzed: 01/21/2011						
Isopropylbenzene	0.04829	0.00500	mg/Kg wet	0.05000		96.6	75-130		30	
Methylene chloride	0.04134	0.00500	mg/Kg wet	0.05000		82.7	55-140		30	
Methyl Acetate	0.03952	0.0100	mg/Kg wet	0.05000		79.0	45-165		30	
Methylcyclohexane	0.03986	0.00500	mg/Kg wet	0.05000		79.7	65-135		30	
Naphthalene	0.04086	0.00500	mg/Kg wet	0.05000		81.7	40-125		30	
4-Methyl-2-pentanone	0.08457	0.00500	mg/Kg wet	0.1000		84.6	45-145		30	
Methyl t-Butyl Ether	0.08339	0.00500	mg/Kg wet	0.1000		83.4	55-150		30	
n-Propylbenzene	0.04268	0.00500	mg/Kg wet	0.05000		85.4	65-135		30	
Styrene	0.04704	0.00500	mg/Kg wet	0.05000		94.1	75-125		30	
1,1,2,2-Tetrachloroethane	0.04180	0.00500	mg/Kg wet	0.05000		83.6	55-130		30	
Tetrachloroethene	0.04471	0.00500	mg/Kg wet	0.05000		89.4	65-140		30	
Toluene	0.04401	0.00500	mg/Kg wet	0.05000		88.0	70-125		30	
1,2,4-Trichlorobenzene	0.04107	0.00500	mg/Kg wet	0.05000		82.1	65-130		30	
1,1,2-Trichloroethane	0.04415	0.00500	mg/Kg wet	0.05000		88.3	60-125		30	
1,1,1-Trichloroethane	0.04316	0.00500	mg/Kg wet	0.05000		86.3	70-135		30	
Trichloroethene	0.04189	0.00500	mg/Kg wet	0.05000		83.8	75-125		30	
Trichlorofluoromethane	0.04159	0.0100	mg/Kg wet	0.05000		83.2	25-185		30	
1,3,5-Trimethylbenzene	0.04334	0.00500	mg/Kg wet	0.05000		86.7	65-135		30	
1,2,4-Trimethylbenzene	0.04162	0.00500	mg/Kg wet	0.05000		83.2	65-135		30	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.04303	0.00500	mg/Kg wet	0.05000		86.1	20-185		30	
Vinyl chloride	0.04765	0.0100	mg/Kg wet	0.05000		95.3	60-125		30	
Xylenes (total)	0.1350	0.00500	mg/Kg wet	0.1500		90.0	75-125		30	
Surrogate: Bromofluorobenzene	*0.03012*		*mg/Kg wet*	*0.03000*		*100*	*85-120*			
Surrogate: Dibromofluoromethane	*0.02869*		*mg/Kg wet*	*0.03000*		*95.6*	*80-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.02762*		*mg/Kg wet*	*0.03000*		*92.1*	*75-140*			
Surrogate: Toluene-d8	*0.02820*		*mg/Kg wet*	*0.03000*		*94.0*	*85-115*			
LCS (1A21022-BS2)				Prepared & Analyzed: 01/21/2011						
Acetone	ND	0.0500	mg/Kg wet				20-160		30	
Benzene	ND	0.00500	mg/Kg wet				75-125		30	
Bromodichloromethane	ND	0.00500	mg/Kg wet				70-130		30	
Bromoform	ND	0.00500	mg/Kg wet				55-135		30	
Bromomethane	ND	0.0100	mg/Kg wet				30-160		30	
n-Butylbenzene	ND	0.00500	mg/Kg wet				65-140		30	
2-Butanone	ND	0.0100	mg/Kg wet	0.1000			30-160		30	
Carbon disulfide	ND	0.00500	mg/Kg wet				45-160		30	
Carbon tetrachloride	ND	0.00500	mg/Kg wet				65-135		30	
Chlorobenzene	ND	0.00500	mg/Kg wet				75-125		30	
Chloroethane	ND	0.0100	mg/Kg wet				40-155		30	
Chloroform	ND	0.00500	mg/Kg wet				70-125		30	
Chloromethane	ND	0.0100	mg/Kg wet				50-130		30	
Cyclohexane	ND	0.00500	mg/Kg wet				65-140		30	
Dibromochloromethane	ND	0.00500	mg/Kg wet				65-130		30	
1,2-Dibromo-3-chloropropane	ND	0.00500	mg/Kg wet				40-135		30	
1,2-Dibromoethane (EDB)	ND	0.00500	mg/Kg wet				70-125		30	
1,2-Dichlorobenzene	ND	0.00500	mg/Kg wet				75-120		30	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21022										
LCS (1A21022-BS2)				Prepared & Analyzed: 01/21/2011						
1,3-Dichlorobenzene	ND	0.00500	mg/Kg wet				70-125		30	
1,4-Dichlorobenzene	ND	0.00500	mg/Kg wet				70-125		30	
Dichlorodifluoromethane	ND	0.0100	mg/Kg wet				35-135		30	
1,1-Dichloroethane	ND	0.00500	mg/Kg wet				75-125		30	
1,2-Dichloroethane	ND	0.00500	mg/Kg wet				70-135		30	
1,1-Dichloroethene	ND	0.00500	mg/Kg wet				65-135		30	
cis-1,2-Dichloroethene	ND	0.00500	mg/Kg wet				65-125		30	
trans-1,2-Dichloroethene	ND	0.00500	mg/Kg wet				65-135		30	
1,2-Dichloropropane	ND	0.00500	mg/Kg wet				70-120		30	
cis-1,3-Dichloropropene	ND	0.00500	mg/Kg wet				70-125		30	
trans-1,3-Dichloropropene	ND	0.00500	mg/Kg wet				65-125		30	
Ethylbenzene	ND	0.00500	mg/Kg wet				75-125		30	
Hexane	0.04502	0.00500	mg/Kg wet	0.05005		89.9	60-130		30	
2-Hexanone	ND	0.00500	mg/Kg wet				45-145		30	
Isopropylbenzene	ND	0.00500	mg/Kg wet				75-130		30	
Methylene chloride	ND	0.00500	mg/Kg wet				55-140		30	
Methyl Acetate	ND	0.0100	mg/Kg wet				45-165		30	
Methylcyclohexane	ND	0.00500	mg/Kg wet				65-135		30	
Naphthalene	ND	0.00500	mg/Kg wet				40-125		30	
4-Methyl-2-pentanone	ND	0.00500	mg/Kg wet				45-145		30	
Methyl t-Butyl Ether	ND	0.00500	mg/Kg wet				55-150		30	
n-Propylbenzene	ND	0.00500	mg/Kg wet				65-135		30	
Styrene	ND	0.00500	mg/Kg wet				75-125		30	
1,1,2,2-Tetrachloroethane	ND	0.00500	mg/Kg wet				55-130		30	
Tetrachloroethene	ND	0.00500	mg/Kg wet				65-140		30	
Toluene	ND	0.00500	mg/Kg wet				70-125		30	
1,2,4-Trichlorobenzene	ND	0.00500	mg/Kg wet				65-130		30	
1,1,2-Trichloroethane	ND	0.00500	mg/Kg wet				60-125		30	
1,1,1-Trichloroethane	ND	0.00500	mg/Kg wet				70-135		30	
Trichloroethene	ND	0.00500	mg/Kg wet				75-125		30	
Trichlorofluoromethane	ND	0.0100	mg/Kg wet				25-185		30	
1,3,5-Trimethylbenzene	ND	0.00500	mg/Kg wet				65-135		30	
1,2,4-Trimethylbenzene	ND	0.00500	mg/Kg wet				65-135		30	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00500	mg/Kg wet				20-185		30	
Vinyl chloride	ND	0.0100	mg/Kg wet				60-125		30	
Xylenes (total)	ND	0.00500	mg/Kg wet				75-125		30	
Surrogate: Bromofluorobenzene	*0.03072*		*mg/Kg wet*	*0.03000*		*102*	*85-120*			
Surrogate: Dibromofluoromethane	*0.02944*		*mg/Kg wet*	*0.03000*		*98.1*	*80-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.02763*		*mg/Kg wet*	*0.03000*		*92.1*	*75-140*			
Surrogate: Toluene-d8	*0.03066*		*mg/Kg wet*	*0.03000*		*102*	*85-115*			

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21022										
Matrix Spike (1A21022-MS1)	**Source: 1101066-10**		Prepared & Analyzed: 01/21/2011							
Acetone	0.1818	0.0505	mg/Kg dry	0.1010	0.2979	NR	20-160		30	
Benzene	0.05196	0.00505	mg/Kg dry	0.05049	ND	103	75-125		30	
Bromodichloromethane	0.05320	0.00505	mg/Kg dry	0.05049	ND	105	70-130		30	
Bromoform	0.04728	0.00505	mg/Kg dry	0.05049	ND	93.6	55-135		30	
Bromomethane	0.06167	0.0101	mg/Kg dry	0.05049	0.0008446	120	30-160		30	
n-Butylbenzene	0.04202	0.00505	mg/Kg dry	0.05049	ND	83.2	65-140		30	
2-Butanone	0.2587	0.0101	mg/Kg dry	0.2020	0.04095	108	30-160		30	
Carbon disulfide	0.05190	0.00505	mg/Kg dry	0.05049	0.001534	99.7	45-160		30	
Carbon tetrachloride	0.05409	0.00505	mg/Kg dry	0.05049	ND	107	65-135		30	
Chlorobenzene	0.04435	0.00505	mg/Kg dry	0.05049	ND	87.8	75-125		30	
Chloroethane	0.05352	0.0101	mg/Kg dry	0.05049	ND	106	40-155		30	
Chloroform	0.05168	0.00505	mg/Kg dry	0.05049	ND	102	70-125		30	
Chloromethane	0.05673	0.0101	mg/Kg dry	0.05049	ND	112	50-130		30	
Cyclohexane	0.04929	0.00505	mg/Kg dry	0.05049	ND	97.6	65-140		30	
Dibromochloromethane	0.05406	0.00505	mg/Kg dry	0.05049	ND	107	65-130		30	
1,2-Dibromo-3-chloropropane	0.05476	0.00505	mg/Kg dry	0.05049	ND	108	40-135		30	
1,2-Dibromoethane (EDB)	0.05114	0.00505	mg/Kg dry	0.05049	ND	101	70-125		30	
1,2-Dichlorobenzene	0.03490	0.00505	mg/Kg dry	0.05049	ND	69.1	75-120		30	
1,3-Dichlorobenzene	0.03419	0.00505	mg/Kg dry	0.05049	ND	67.7	70-125		30	
1,4-Dichlorobenzene	0.03292	0.00505	mg/Kg dry	0.05049	ND	65.2	70-125		30	
Dichlorodifluoromethane	0.06293	0.0101	mg/Kg dry	0.05049	ND	125	35-135		30	
1,1-Dichloroethane	0.05096	0.00505	mg/Kg dry	0.05049	ND	101	75-125		30	
1,2-Dichloroethane	0.05453	0.00505	mg/Kg dry	0.05049	ND	108	70-135		30	
1,1-Dichloroethene	0.05050	0.00505	mg/Kg dry	0.05049	ND	100	65-135		30	
cis-1,2-Dichloroethene	0.05021	0.00505	mg/Kg dry	0.05049	ND	99.4	65-125		30	
trans-1,2-Dichloroethene	0.04910	0.00505	mg/Kg dry	0.05049	ND	97.3	65-135		30	
1,2-Dichloropropane	0.05105	0.00505	mg/Kg dry	0.05049	ND	101	70-120		30	
cis-1,3-Dichloropropene	0.04478	0.00505	mg/Kg dry	0.05049	ND	88.7	70-125		30	
trans-1,3-Dichloropropene	0.05270	0.00505	mg/Kg dry	0.05049	ND	104	65-125		30	
Ethylbenzene	0.04799	0.00505	mg/Kg dry	0.05049	ND	95.0	75-125		30	
Hexane	0.04244	0.00505	mg/Kg dry	0.05054	ND	84.0	60-130		30	
2-Hexanone	0.1041	0.00505	mg/Kg dry	0.1010	ND	103	45-145		30	
Isopropylbenzene	0.04878	0.00505	mg/Kg dry	0.05049	ND	96.6	75-130		30	
Methylene chloride	0.05090	0.00505	mg/Kg dry	0.05049	0.001534	97.8	55-140		30	
Methyl Acetate	0.04539	0.0101	mg/Kg dry	0.05049	ND	89.9	45-165		30	
Methylcyclohexane	0.04351	0.00505	mg/Kg dry	0.05049	ND	86.2	65-135		30	
Naphthalene	0.01156	0.00505	mg/Kg dry	0.05049	ND	22.9	40-125		30	
4-Methyl-2-pentanone	0.1045	0.00505	mg/Kg dry	0.1010	ND	103	45-145		30	
Methyl t-Butyl Ether	0.1042	0.00505	mg/Kg dry	0.1010	ND	103	55-150		30	
n-Propylbenzene	0.05640	0.00505	mg/Kg dry	0.05049	ND	112	65-135		30	
Styrene	0.01606	0.00505	mg/Kg dry	0.05049	ND	31.8	75-125		30	
1,1,2,2-Tetrachloroethane	0.06305	0.00505	mg/Kg dry	0.05049	ND	125	55-130		30	
Tetrachloroethene	0.04835	0.00505	mg/Kg dry	0.05049	ND	95.8	65-140		30	
Toluene	0.05151	0.00505	mg/Kg dry	0.05049	ND	102	70-125		30	
1,2,4-Trichlorobenzene	0.01471	0.00505	mg/Kg dry	0.05049	ND	29.1	65-130		30	
1,1,2-Trichloroethane	0.05176	0.00505	mg/Kg dry	0.05049	ND	103	60-125		30	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21022										
Matrix Spike (1A21022-MS1)	**Source: 1101066-10**		Prepared & Analyzed: 01/21/2011							
1,1,1-Trichloroethane	0.05411	0.00505	mg/Kg dry	0.05049	ND	107	70-135		30	
Trichloroethene	0.04813	0.00505	mg/Kg dry	0.05049	ND	95.3	75-125		30	
Trichlorofluoromethane	0.05461	0.0101	mg/Kg dry	0.05049	ND	108	25-185		30	
1,3,5-Trimethylbenzene	0.05202	0.00505	mg/Kg dry	0.05049	0.001817	99.4	65-135		30	
1,2,4-Trimethylbenzene	0.04669	0.00505	mg/Kg dry	0.05049	ND	92.5	65-135		30	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.05206	0.00505	mg/Kg dry	0.05049	ND	103	20-185		30	
Vinyl chloride	0.05429	0.0101	mg/Kg dry	0.05049	ND	108	60-125		30	
Xylenes (total)	0.1391	0.00505	mg/Kg dry	0.1515	0.001284	91.0	75-125		30	
Surrogate: Bromofluorobenzene	*0.02501*		*mg/Kg dry*	*0.03029*		*82.6*	*85-120*			
Surrogate: Dibromofluoromethane	*0.03005*		*mg/Kg dry*	*0.03029*		*99.2*	*80-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.02711*		*mg/Kg dry*	*0.03029*		*89.5*	*75-140*			
Surrogate: Toluene-d8	*0.03113*		*mg/Kg dry*	*0.03029*		*103*	*85-115*			
Matrix Spike Dup (1A21022-MSD1)	**Source: 1101066-10**		Prepared & Analyzed: 01/21/2011							
Acetone	0.2342	0.0545	mg/Kg dry	0.1089	0.2979	NR	20-160	25.2	30	
Benzene	0.04509	0.00545	mg/Kg dry	0.05446	ND	82.8	75-125	14.2	30	
Bromodichloromethane	0.04698	0.00545	mg/Kg dry	0.05446	ND	86.3	70-130	12.4	30	
Bromoform	0.04153	0.00545	mg/Kg dry	0.05446	ND	76.3	55-135	13.0	30	
Bromomethane	0.05946	0.0109	mg/Kg dry	0.05446	0.0008446	108	30-160	3.66	30	
n-Butylbenzene	0.03067	0.00545	mg/Kg dry	0.05446	ND	56.3	65-140	31.2	30	
2-Butanone	0.2424	0.0109	mg/Kg dry	0.2178	0.04095	92.5	30-160	6.50	30	
Carbon disulfide	0.04414	0.00545	mg/Kg dry	0.05446	0.001534	78.2	45-160	16.2	30	
Carbon tetrachloride	0.04702	0.00545	mg/Kg dry	0.05446	ND	86.3	65-135	14.0	30	
Chlorobenzene	0.03654	0.00545	mg/Kg dry	0.05446	ND	67.1	75-125	19.3	30	
Chloroethane	0.05527	0.0109	mg/Kg dry	0.05446	ND	101	40-155	3.22	30	
Chloroform	0.04725	0.00545	mg/Kg dry	0.05446	ND	86.8	70-125	8.96	30	
Chloromethane	0.06182	0.0109	mg/Kg dry	0.05446	ND	114	50-130	8.58	30	
Cyclohexane	0.04548	0.00545	mg/Kg dry	0.05446	ND	83.5	65-140	8.05	30	
Dibromochloromethane	0.04624	0.00545	mg/Kg dry	0.05446	ND	84.9	65-130	15.6	30	
1,2-Dibromo-3-chloropropane	0.04349	0.00545	mg/Kg dry	0.05446	ND	79.8	40-135	23.0	30	
1,2-Dibromoethane (EDB)	0.04612	0.00545	mg/Kg dry	0.05446	ND	84.7	70-125	10.3	30	
1,2-Dichlorobenzene	0.02605	0.00545	mg/Kg dry	0.05446	ND	47.8	75-120	29.0	30	
1,3-Dichlorobenzene	0.02616	0.00545	mg/Kg dry	0.05446	ND	48.0	70-125	26.6	30	
1,4-Dichlorobenzene	0.02404	0.00545	mg/Kg dry	0.05446	ND	44.1	70-125	31.2	30	
Dichlorodifluoromethane	0.06335	0.0109	mg/Kg dry	0.05446	ND	116	35-135	0.669	30	
1,1-Dichloroethane	0.04896	0.00545	mg/Kg dry	0.05446	ND	89.9	75-125	4.01	30	
1,2-Dichloroethane	0.05072	0.00545	mg/Kg dry	0.05446	ND	93.1	70-135	7.23	30	
1,1-Dichloroethene	0.04742	0.00545	mg/Kg dry	0.05446	ND	87.1	65-135	6.29	30	
cis-1,2-Dichloroethene	0.04619	0.00545	mg/Kg dry	0.05446	ND	84.8	65-125	8.33	30	
trans-1,2-Dichloroethene	0.04522	0.00545	mg/Kg dry	0.05446	ND	83.0	65-135	8.23	30	
1,2-Dichloropropane	0.04794	0.00545	mg/Kg dry	0.05446	ND	88.0	70-120	6.29	30	
cis-1,3-Dichloropropene	0.04037	0.00545	mg/Kg dry	0.05446	ND	74.1	70-125	10.4	30	
trans-1,3-Dichloropropene	0.04728	0.00545	mg/Kg dry	0.05446	ND	86.8	65-125	10.8	30	
Ethylbenzene	0.04054	0.00545	mg/Kg dry	0.05446	ND	74.4	75-125	16.8	30	
Hexane	0.03800	0.00545	mg/Kg dry	0.05452	ND	69.7	60-130	11.0	30	
2-Hexanone	0.09855	0.00545	mg/Kg dry	0.1089	ND	90.5	45-145	5.51	30	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21022										
Matrix Spike Dup (1A21022-MSD1)	**Source: 1101066-10**		Prepared & Analyzed: 01/21/2011							
Isopropylbenzene	0.04029	0.00545	mg/Kg dry	0.05446	ND	74.0	75-130	19.1	30	
Methylene chloride	0.04894	0.00545	mg/Kg dry	0.05446	0.001534	87.0	55-140	3.93	30	
Methyl Acetate	0.04402	0.0109	mg/Kg dry	0.05446	ND	80.8	45-165	3.06	30	
Methylcyclohexane	0.03759	0.00545	mg/Kg dry	0.05446	ND	69.0	65-135	14.6	30	
Naphthalene	0.008351	0.00545	mg/Kg dry	0.05446	ND	15.3	40-125	32.2	30	
4-Methyl-2-pentanone	0.1072	0.00545	mg/Kg dry	0.1089	ND	98.4	45-145	2.56	30	
Methyl t-Butyl Ether	0.1027	0.00545	mg/Kg dry	0.1089	ND	94.3	55-150	1.45	30	
n-Propylbenzene	0.04349	0.00545	mg/Kg dry	0.05446	ND	79.8	65-135	25.8	30	
Styrene	0.01560	0.00545	mg/Kg dry	0.05446	ND	28.6	75-125	2.94	30	
1,1,2,2-Tetrachloroethane	0.05664	0.00545	mg/Kg dry	0.05446	ND	104	55-130	10.7	30	
Tetrachloroethene	0.04006	0.00545	mg/Kg dry	0.05446	ND	73.6	65-140	18.8	30	
Toluene	0.04364	0.00545	mg/Kg dry	0.05446	ND	80.1	70-125	16.5	30	
1,2,4-Trichlorobenzene	0.01016	0.00545	mg/Kg dry	0.05446	ND	18.6	65-130	36.6	30	
1,1,2-Trichloroethane	0.04675	0.00545	mg/Kg dry	0.05446	ND	85.8	60-125	10.2	30	
1,1,1-Trichloroethane	0.04878	0.00545	mg/Kg dry	0.05446	ND	89.6	70-135	10.3	30	
Trichloroethene	0.04228	0.00545	mg/Kg dry	0.05446	ND	77.6	75-125	12.9	30	
Trichlorofluoromethane	0.05017	0.0109	mg/Kg dry	0.05446	ND	92.1	25-185	8.46	30	
1,3,5-Trimethylbenzene	0.04033	0.00545	mg/Kg dry	0.05446	0.001817	70.7	65-135	25.3	30	
1,2,4-Trimethylbenzene	0.03629	0.00545	mg/Kg dry	0.05446	ND	66.6	65-135	25.1	30	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.04728	0.00545	mg/Kg dry	0.05446	ND	86.8	20-185	9.63	30	
Vinyl chloride	0.05877	0.0109	mg/Kg dry	0.05446	ND	108	60-125	7.92	30	
Xylenes (total)	0.1156	0.00545	mg/Kg dry	0.1634	0.001284	70.0	75-125	18.4	30	
Surrogate: Bromofluorobenzene	*0.02889*		*mg/Kg dry*	*0.03268*		*88.4*	*85-120*			
Surrogate: Dibromofluoromethane	*0.03333*		*mg/Kg dry*	*0.03268*		*102*	*80-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.03223*		*mg/Kg dry*	*0.03268*		*98.6*	*75-140*			
Surrogate: Toluene-d8	*0.03145*		*mg/Kg dry*	*0.03268*		*96.2*	*85-115*			

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21026										
Blank (1A21026-BLK1)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
Acetone	ND	0.0500	mg/Kg wet							
Acetone	ND	0.0500	mg/Kg wet							
Benzene	ND	0.00500	mg/Kg wet							
Benzene	ND	0.00500	mg/Kg wet							
Bromodichloromethane	ND	0.00500	mg/Kg wet							
Bromodichloromethane	ND	0.00500	mg/Kg wet							
Bromoform	ND	0.00500	mg/Kg wet							
Bromoform	ND	0.00500	mg/Kg wet							
Bromomethane	ND	0.0100	mg/Kg wet							
Bromomethane	ND	0.0100	mg/Kg wet							
n-Butylbenzene	ND	0.00500	mg/Kg wet							
n-Butylbenzene	ND	0.00500	mg/Kg wet							
2-Butanone	ND	0.0100	mg/Kg wet							
2-Butanone	ND	0.0100	mg/Kg wet							
Carbon disulfide	ND	0.00500	mg/Kg wet							
Carbon disulfide	ND	0.00500	mg/Kg wet							
Carbon tetrachloride	ND	0.00500	mg/Kg wet							
Carbon tetrachloride	ND	0.00500	mg/Kg wet							
Chlorobenzene	ND	0.00500	mg/Kg wet							
Chlorobenzene	ND	0.00500	mg/Kg wet							
Chloroethane	ND	0.0100	mg/Kg wet							
Chloroethane	ND	0.0100	mg/Kg wet							
Chloroform	ND	0.00500	mg/Kg wet							
Chloroform	ND	0.00500	mg/Kg wet							
Chloromethane	ND	0.0100	mg/Kg wet							
Chloromethane	ND	0.0100	mg/Kg wet							
Cyclohexane	ND	0.00500	mg/Kg wet							
Cyclohexane	ND	0.00500	mg/Kg wet							
Dibromochloromethane	ND	0.00500	mg/Kg wet							
Dibromochloromethane	ND	0.00500	mg/Kg wet							
1,2-Dibromo-3-chloropropane	ND	0.00500	mg/Kg wet							
1,2-Dibromo-3-chloropropane	ND	0.00500	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.00500	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.00500	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.00500	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.00500	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.00500	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.00500	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.00500	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.00500	mg/Kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/Kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/Kg wet							
1,1-Dichloroethane	ND	0.00500	mg/Kg wet							
1,1-Dichloroethane	ND	0.00500	mg/Kg wet							
1,2-Dichloroethane	ND	0.00500	mg/Kg wet							
1,2-Dichloroethane	ND	0.00500	mg/Kg wet							

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21026										
Blank (1A21026-BLK1)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
1,1-Dichloroethene	ND	0.00500	mg/Kg wet							
1,1-Dichloroethene	ND	0.00500	mg/Kg wet							
cis-1,2-Dichloroethene	ND	0.00500	mg/Kg wet							
cis-1,2-Dichloroethene	ND	0.00500	mg/Kg wet							
trans-1,2-Dichloroethene	ND	0.00500	mg/Kg wet							
trans-1,2-Dichloroethene	ND	0.00500	mg/Kg wet							
1,2-Dichloropropane	ND	0.00500	mg/Kg wet							
1,2-Dichloropropane	ND	0.00500	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.00500	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.00500	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.00500	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.00500	mg/Kg wet							
Ethylbenzene	ND	0.00500	mg/Kg wet							
Ethylbenzene	ND	0.00500	mg/Kg wet							
Hexane	ND	0.00500	mg/Kg wet							
2-Hexanone	ND	0.00500	mg/Kg wet							
2-Hexanone	ND	0.00500	mg/Kg wet							
Isopropylbenzene	ND	0.00500	mg/Kg wet							
Isopropylbenzene	ND	0.00500	mg/Kg wet							
Methylene chloride	ND	0.00500	mg/Kg wet							
Methylene chloride	ND	0.00500	mg/Kg wet							
Methyl Acetate	ND	0.0100	mg/Kg wet							
Methyl Acetate	ND	0.0100	mg/Kg wet							
Methylcyclohexane	ND	0.00500	mg/Kg wet							
Methylcyclohexane	ND	0.00500	mg/Kg wet							
Naphthalene	ND	0.00500	mg/Kg wet							
Naphthalene	ND	0.00500	mg/Kg wet							
4-Methyl-2-pentanone	ND	0.00500	mg/Kg wet							
4-Methyl-2-pentanone	ND	0.00500	mg/Kg wet							
Methyl t-Butyl Ether	ND	0.00500	mg/Kg wet							
Methyl t-Butyl Ether	ND	0.00500	mg/Kg wet							
n-Propylbenzene	ND	0.00500	mg/Kg wet							
n-Propylbenzene	ND	0.00500	mg/Kg wet							
Styrene	ND	0.00500	mg/Kg wet							
Styrene	ND	0.00500	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.00500	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.00500	mg/Kg wet							
Tetrachloroethene	ND	0.00500	mg/Kg wet							
Tetrachloroethene	ND	0.00500	mg/Kg wet							
Toluene	ND	0.00500	mg/Kg wet							
Toluene	ND	0.00500	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.00500	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.00500	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.00500	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.00500	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.00500	mg/Kg wet							

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21026										
Blank (1A21026-BLK1)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
1,1,1-Trichloroethane	ND	0.00500	mg/Kg wet							
Trichloroethene	ND	0.00500	mg/Kg wet							
Trichloroethene	ND	0.00500	mg/Kg wet							
Trichlorofluoromethane	ND	0.0100	mg/Kg wet							
Trichlorofluoromethane	ND	0.0100	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.00500	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.00500	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.00500	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.00500	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00500	mg/Kg wet							
Vinyl chloride	ND	0.0100	mg/Kg wet							
Vinyl chloride	ND	0.0100	mg/Kg wet							
Xylenes (total)	ND	0.00500	mg/Kg wet							
Xylenes (total)	ND	0.00500	mg/Kg wet							
Surrogate: Bromofluorobenzene	*0.03041*		*mg/Kg wet*	*0.03000*		*101*	*85-120*			
Surrogate: Bromofluorobenzene	*0.03041*		*mg/Kg wet*	*0.03000*		*101*	*85-120*			
Surrogate: Dibromofluoromethane	*0.03166*		*mg/Kg wet*	*0.03000*		*106*	*80-125*			
Surrogate: Dibromofluoromethane	*0.03166*		*mg/Kg wet*	*0.03000*		*106*	*80-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.03571*		*mg/Kg wet*	*0.03000*		*119*	*75-140*			
Surrogate: 1,2-Dichloroethane-d4	*0.03571*		*mg/Kg wet*	*0.03000*		*119*	*75-140*			
Surrogate: Toluene-d8	*0.02755*		*mg/Kg wet*	*0.03000*		*91.8*	*85-115*			
Surrogate: Toluene-d8	*0.02755*		*mg/Kg wet*	*0.03000*		*91.8*	*85-115*			
LCS (1A21026-BS1)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
Acetone	0.1231	0.0500	mg/Kg wet	0.1000		123	20-160		30	
Acetone	0.1231	0.0500	mg/Kg wet	0.1000		123	20-160		30	
Benzene	0.05119	0.00500	mg/Kg wet	0.05000		102	75-125		30	
Benzene	0.05119	0.00500	mg/Kg wet	0.05000		102	75-125		30	
Bromodichloromethane	0.05427	0.00500	mg/Kg wet	0.05000		109	70-130		30	
Bromodichloromethane	0.05427	0.00500	mg/Kg wet	0.05000		109	70-130		30	
Bromoform	0.04909	0.00500	mg/Kg wet	0.05000		98.2	55-135		30	
Bromoform	0.04909	0.00500	mg/Kg wet	0.05000		98.2	55-135		30	
Bromomethane	0.06959	0.0100	mg/Kg wet	0.05000		139	30-160		30	
Bromomethane	0.06959	0.0100	mg/Kg wet	0.05000		139	30-160		30	
n-Butylbenzene	0.05174	0.00500	mg/Kg wet	0.05000		103	65-140		30	
n-Butylbenzene	0.05174	0.00500	mg/Kg wet	0.05000		103	65-140		30	
2-Butanone	0.1045	0.0100	mg/Kg wet	0.1000		104	30-160		30	
2-Butanone	0.1045	0.0100	mg/Kg wet	0.1000		104	30-160		30	
Carbon disulfide	0.05129	0.00500	mg/Kg wet	0.05000		103	45-160		30	
Carbon disulfide	0.05129	0.00500	mg/Kg wet	0.05000		103	45-160		30	
Carbon tetrachloride	0.05133	0.00500	mg/Kg wet	0.05000		103	65-135		30	
Carbon tetrachloride	0.05133	0.00500	mg/Kg wet	0.05000		103	65-135		30	
Chlorobenzene	0.05044	0.00500	mg/Kg wet	0.05000		101	75-125		30	
Chlorobenzene	0.05044	0.00500	mg/Kg wet	0.05000		101	75-125		30	
Chloroethane	0.06063	0.0100	mg/Kg wet	0.05000		121	40-155		30	
Chloroethane	0.06063	0.0100	mg/Kg wet	0.05000		121	40-155		30	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21026										
LCS (1A21026-BS1)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
Chloroform	0.04891	0.00500	mg/Kg wet	0.05000		97.8	70-125		30	
Chloroform	0.04891	0.00500	mg/Kg wet	0.05000		97.8	70-125		30	
Chloromethane	0.05967	0.0100	mg/Kg wet	0.05000		119	50-130		30	
Chloromethane	0.05967	0.0100	mg/Kg wet	0.05000		119	50-130		30	
Cyclohexane	0.04778	0.00500	mg/Kg wet	0.05000		95.6	65-140		30	
Cyclohexane	0.04778	0.00500	mg/Kg wet	0.05000		95.6	65-140		30	
Dibromochloromethane	0.05102	0.00500	mg/Kg wet	0.05000		102	65-130		30	
Dibromochloromethane	0.05102	0.00500	mg/Kg wet	0.05000		102	65-130		30	
1,2-Dibromo-3-chloropropane	0.04909	0.00500	mg/Kg wet	0.05000		98.2	40-135		30	
1,2-Dibromo-3-chloropropane	0.04909	0.00500	mg/Kg wet	0.05000		98.2	40-135		30	
1,2-Dibromoethane (EDB)	0.04895	0.00500	mg/Kg wet	0.05000		97.9	70-125		30	
1,2-Dibromoethane (EDB)	0.04895	0.00500	mg/Kg wet	0.05000		97.9	70-125		30	
1,2-Dichlorobenzene	0.05132	0.00500	mg/Kg wet	0.05000		103	75-120		30	
1,2-Dichlorobenzene	0.05132	0.00500	mg/Kg wet	0.05000		103	75-120		30	
1,3-Dichlorobenzene	0.04978	0.00500	mg/Kg wet	0.05000		99.6	70-125		30	
1,3-Dichlorobenzene	0.04978	0.00500	mg/Kg wet	0.05000		99.6	70-125		30	
1,4-Dichlorobenzene	0.04862	0.00500	mg/Kg wet	0.05000		97.2	70-125		30	
1,4-Dichlorobenzene	0.04862	0.00500	mg/Kg wet	0.05000		97.2	70-125		30	
Dichlorodifluoromethane	0.06107	0.0100	mg/Kg wet	0.05000		122	35-135		30	
Dichlorodifluoromethane	0.06107	0.0100	mg/Kg wet	0.05000		122	35-135		30	
1,1-Dichloroethane	0.05144	0.00500	mg/Kg wet	0.05000		103	75-125		30	
1,1-Dichloroethane	0.05144	0.00500	mg/Kg wet	0.05000		103	75-125		30	
1,2-Dichloroethane	0.05229	0.00500	mg/Kg wet	0.05000		105	70-135		30	
1,2-Dichloroethane	0.05229	0.00500	mg/Kg wet	0.05000		105	70-135		30	
1,1-Dichloroethene	0.05144	0.00500	mg/Kg wet	0.05000		103	65-135		30	
1,1-Dichloroethene	0.05144	0.00500	mg/Kg wet	0.05000		103	65-135		30	
cis-1,2-Dichloroethene	0.04918	0.00500	mg/Kg wet	0.05000		98.4	65-125		30	
cis-1,2-Dichloroethene	0.04918	0.00500	mg/Kg wet	0.05000		98.4	65-125		30	
trans-1,2-Dichloroethene	0.05097	0.00500	mg/Kg wet	0.05000		102	65-135		30	
trans-1,2-Dichloroethene	0.05097	0.00500	mg/Kg wet	0.05000		102	65-135		30	
1,2-Dichloropropane	0.05126	0.00500	mg/Kg wet	0.05000		103	70-120		30	
1,2-Dichloropropane	0.05126	0.00500	mg/Kg wet	0.05000		103	70-120		30	
cis-1,3-Dichloropropene	0.04704	0.00500	mg/Kg wet	0.05000		94.1	70-125		30	
cis-1,3-Dichloropropene	0.04704	0.00500	mg/Kg wet	0.05000		94.1	70-125		30	
trans-1,3-Dichloropropene	0.05181	0.00500	mg/Kg wet	0.05000		104	65-125		30	
trans-1,3-Dichloropropene	0.05181	0.00500	mg/Kg wet	0.05000		104	65-125		30	
Ethylbenzene	0.05010	0.00500	mg/Kg wet	0.05000		100	75-125		30	
Ethylbenzene	0.05010	0.00500	mg/Kg wet	0.05000		100	75-125		30	
Hexane	ND	0.00500	mg/Kg wet				60-130		30	
2-Hexanone	0.1010	0.00500	mg/Kg wet	0.1000		101	45-145		30	
2-Hexanone	0.1010	0.00500	mg/Kg wet	0.1000		101	45-145		30	
Isopropylbenzene	0.05473	0.00500	mg/Kg wet	0.05000		109	75-130		30	
Isopropylbenzene	0.05473	0.00500	mg/Kg wet	0.05000		109	75-130		30	
Methylene chloride	0.04614	0.00500	mg/Kg wet	0.05000		92.3	55-140		30	
Methylene chloride	0.04614	0.00500	mg/Kg wet	0.05000		92.3	55-140		30	
Methyl Acetate	0.04781	0.0100	mg/Kg wet	0.05000		95.6	45-165		30	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21026										
LCS (1A21026-BS1)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
Methyl Acetate	0.04781	0.0100	mg/Kg wet	0.05000		95.6	45-165		30	
Methylcyclohexane	0.04745	0.00500	mg/Kg wet	0.05000		94.9	65-135		30	
Methylcyclohexane	0.04745	0.00500	mg/Kg wet	0.05000		94.9	65-135		30	
Naphthalene	0.04763	0.00500	mg/Kg wet	0.05000		95.3	40-125		30	
Naphthalene	0.04763	0.00500	mg/Kg wet	0.05000		95.3	40-125		30	
4-Methyl-2-pentanone	0.09832	0.00500	mg/Kg wet	0.1000		98.3	45-145		30	
4-Methyl-2-pentanone	0.09832	0.00500	mg/Kg wet	0.1000		98.3	45-145		30	
Methyl t-Butyl Ether	0.09624	0.00500	mg/Kg wet	0.1000		96.2	55-150		30	
Methyl t-Butyl Ether	0.09624	0.00500	mg/Kg wet	0.1000		96.2	55-150		30	
n-Propylbenzene	0.05275	0.00500	mg/Kg wet	0.05000		105	65-135		30	
n-Propylbenzene	0.05275	0.00500	mg/Kg wet	0.05000		105	65-135		30	
Styrene	0.05264	0.00500	mg/Kg wet	0.05000		105	75-125		30	
Styrene	0.05264	0.00500	mg/Kg wet	0.05000		105	75-125		30	
1,1,2,2-Tetrachloroethane	0.04961	0.00500	mg/Kg wet	0.05000		99.2	55-130		30	
1,1,2,2-Tetrachloroethane	0.04961	0.00500	mg/Kg wet	0.05000		99.2	55-130		30	
Tetrachloroethene	0.04828	0.00500	mg/Kg wet	0.05000		96.6	65-140		30	
Tetrachloroethene	0.04828	0.00500	mg/Kg wet	0.05000		96.6	65-140		30	
Toluene	0.04870	0.00500	mg/Kg wet	0.05000		97.4	70-125		30	
Toluene	0.04870	0.00500	mg/Kg wet	0.05000		97.4	70-125		30	
1,2,4-Trichlorobenzene	0.04939	0.00500	mg/Kg wet	0.05000		98.8	65-130		30	
1,2,4-Trichlorobenzene	0.04939	0.00500	mg/Kg wet	0.05000		98.8	65-130		30	
1,1,2-Trichloroethane	0.04738	0.00500	mg/Kg wet	0.05000		94.8	60-125		30	
1,1,2-Trichloroethane	0.04738	0.00500	mg/Kg wet	0.05000		94.8	60-125		30	
1,1,1-Trichloroethane	0.05080	0.00500	mg/Kg wet	0.05000		102	70-135		30	
1,1,1-Trichloroethane	0.05080	0.00500	mg/Kg wet	0.05000		102	70-135		30	
Trichloroethene	0.05019	0.00500	mg/Kg wet	0.05000		100	75-125		30	
Trichloroethene	0.05019	0.00500	mg/Kg wet	0.05000		100	75-125		30	
Trichlorofluoromethane	0.05019	0.0100	mg/Kg wet	0.05000		100	25-185		30	
Trichlorofluoromethane	0.05019	0.0100	mg/Kg wet	0.05000		100	25-185		30	
1,3,5-Trimethylbenzene	0.05097	0.00500	mg/Kg wet	0.05000		102	65-135		30	
1,3,5-Trimethylbenzene	0.05097	0.00500	mg/Kg wet	0.05000		102	65-135		30	
1,2,4-Trimethylbenzene	0.05076	0.00500	mg/Kg wet	0.05000		102	65-135		30	
1,2,4-Trimethylbenzene	0.05076	0.00500	mg/Kg wet	0.05000		102	65-135		30	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.05113	0.00500	mg/Kg wet	0.05000		102	20-185		30	
Vinyl chloride	0.05991	0.0100	mg/Kg wet	0.05000		120	60-125		30	
Vinyl chloride	0.05991	0.0100	mg/Kg wet	0.05000		120	60-125		30	
Xylenes (total)	0.1526	0.00500	mg/Kg wet	0.1500		102	75-125		30	
Xylenes (total)	0.1526	0.00500	mg/Kg wet	0.1500		102	75-125		30	
Surrogate: Bromofluorobenzene	*0.02924*		*mg/Kg wet*	*0.03000*		*97.5*	*85-120*			
Surrogate: Bromofluorobenzene	*0.02924*		*mg/Kg wet*	*0.03000*		*97.5*	*85-120*			
Surrogate: Dibromofluoromethane	*0.02948*		*mg/Kg wet*	*0.03000*		*98.3*	*80-125*			
Surrogate: Dibromofluoromethane	*0.02948*		*mg/Kg wet*	*0.03000*		*98.3*	*80-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.02723*		*mg/Kg wet*	*0.03000*		*90.8*	*75-140*			
Surrogate: 1,2-Dichloroethane-d4	*0.02723*		*mg/Kg wet*	*0.03000*		*90.8*	*75-140*			
Surrogate: Toluene-d8	*0.02747*		*mg/Kg wet*	*0.03000*		*91.6*	*85-115*			
Surrogate: Toluene-d8	*0.02747*		*mg/Kg wet*	*0.03000*		*91.6*	*85-115*			

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21026										
LCS (1A21026-BS2)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
Acetone	ND	0.0500	mg/Kg wet				20-160		30	
Benzene	ND	0.00500	mg/Kg wet				75-125		30	
Bromodichloromethane	ND	0.00500	mg/Kg wet				70-130		30	
Bromoform	ND	0.00500	mg/Kg wet				55-135		30	
Bromomethane	ND	0.0100	mg/Kg wet				30-160		30	
n-Butylbenzene	ND	0.00500	mg/Kg wet				65-140		30	
2-Butanone	ND	0.0100	mg/Kg wet	0.1000			30-160		30	
Carbon disulfide	ND	0.00500	mg/Kg wet				45-160		30	
Carbon tetrachloride	ND	0.00500	mg/Kg wet				65-135		30	
Chlorobenzene	ND	0.00500	mg/Kg wet				75-125		30	
Chloroethane	ND	0.0100	mg/Kg wet				40-155		30	
Chloroform	ND	0.00500	mg/Kg wet				70-125		30	
Chloromethane	ND	0.0100	mg/Kg wet				50-130		30	
Cyclohexane	ND	0.00500	mg/Kg wet				65-140		30	
Dibromochloromethane	ND	0.00500	mg/Kg wet				65-130		30	
1,2-Dibromo-3-chloropropane	ND	0.00500	mg/Kg wet				40-135		30	
1,2-Dibromoethane (EDB)	ND	0.00500	mg/Kg wet				70-125		30	
1,2-Dichlorobenzene	ND	0.00500	mg/Kg wet				75-120		30	
1,3-Dichlorobenzene	ND	0.00500	mg/Kg wet				70-125		30	
1,4-Dichlorobenzene	ND	0.00500	mg/Kg wet				70-125		30	
Dichlorodifluoromethane	ND	0.0100	mg/Kg wet				35-135		30	
1,1-Dichloroethane	ND	0.00500	mg/Kg wet				75-125		30	
1,2-Dichloroethane	ND	0.00500	mg/Kg wet				70-135		30	
1,1-Dichloroethene	ND	0.00500	mg/Kg wet				65-135		30	
cis-1,2-Dichloroethene	ND	0.00500	mg/Kg wet				65-125		30	
trans-1,2-Dichloroethene	ND	0.00500	mg/Kg wet				65-135		30	
1,2-Dichloropropane	ND	0.00500	mg/Kg wet				70-120		30	
cis-1,3-Dichloropropene	ND	0.00500	mg/Kg wet				70-125		30	
trans-1,3-Dichloropropene	ND	0.00500	mg/Kg wet				65-125		30	
Ethylbenzene	ND	0.00500	mg/Kg wet				75-125		30	
Hexane	0.05239	0.00500	mg/Kg wet	0.05005		105	60-130		30	
2-Hexanone	ND	0.00500	mg/Kg wet				45-145		30	
Isopropylbenzene	ND	0.00500	mg/Kg wet				75-130		30	
Methylene chloride	ND	0.00500	mg/Kg wet				55-140		30	
Methyl Acetate	ND	0.0100	mg/Kg wet				45-165		30	
Methylcyclohexane	ND	0.00500	mg/Kg wet				65-135		30	
Naphthalene	ND	0.00500	mg/Kg wet				40-125		30	
4-Methyl-2-pentanone	ND	0.00500	mg/Kg wet				45-145		30	
Methyl t-Butyl Ether	ND	0.00500	mg/Kg wet				55-150		30	
n-Propylbenzene	ND	0.00500	mg/Kg wet				65-135		30	
Styrene	ND	0.00500	mg/Kg wet				75-125		30	
1,1,2,2-Tetrachloroethane	ND	0.00500	mg/Kg wet				55-130		30	
Tetrachloroethene	ND	0.00500	mg/Kg wet				65-140		30	
Toluene	ND	0.00500	mg/Kg wet				70-125		30	
1,2,4-Trichlorobenzene	ND	0.00500	mg/Kg wet				65-130		30	
1,1,2-Trichloroethane	ND	0.00500	mg/Kg wet				60-125		30	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21026										
LCS (1A21026-BS2)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
1,1,1-Trichloroethane	ND	0.00500	mg/Kg wet				70-135		30	
Trichloroethene	ND	0.00500	mg/Kg wet				75-125		30	
Trichlorofluoromethane	ND	0.0100	mg/Kg wet				25-185		30	
1,3,5-Trimethylbenzene	ND	0.00500	mg/Kg wet				65-135		30	
1,2,4-Trimethylbenzene	ND	0.00500	mg/Kg wet				65-135		30	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00500	mg/Kg wet				20-185		30	
Vinyl chloride	ND	0.0100	mg/Kg wet				60-125		30	
Xylenes (total)	ND	0.00500	mg/Kg wet				75-125		30	
Surrogate: Bromofluorobenzene	*0.02764*		*mg/Kg wet*	*0.03000*		*92.1*	*85-120*			
Surrogate: Dibromofluoromethane	*0.03031*		*mg/Kg wet*	*0.03000*		*101*	*80-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.02827*		*mg/Kg wet*	*0.03000*		*94.2*	*75-140*			
Surrogate: Toluene-d8	*0.02826*		*mg/Kg wet*	*0.03000*		*94.2*	*85-115*			
LCS Dup (1A21026-BSD1)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
Acetone	0.1412	0.0500	mg/Kg wet	0.1000		141	20-160	13.8	30	
Acetone	0.1412	0.0500	mg/Kg wet	0.1000		141	20-160	13.8	30	
Benzene	0.05403	0.00500	mg/Kg wet	0.05000		108	75-125	5.39	30	
Benzene	0.05403	0.00500	mg/Kg wet	0.05000		108	75-125	5.39	30	
Bromodichloromethane	0.05975	0.00500	mg/Kg wet	0.05000		120	70-130	9.62	30	
Bromodichloromethane	0.05975	0.00500	mg/Kg wet	0.05000		120	70-130	9.62	30	
Bromoform	0.05975	0.00500	mg/Kg wet	0.05000		120	55-135	19.6	30	
Bromoform	0.05975	0.00500	mg/Kg wet	0.05000		120	55-135	19.6	30	
Bromomethane	0.08312	0.0100	mg/Kg wet	0.05000		166	30-160	17.7	30	
Bromomethane	0.08312	0.0100	mg/Kg wet	0.05000		166	30-160	17.7	30	
n-Butylbenzene	0.05431	0.00500	mg/Kg wet	0.05000		109	65-140	4.84	30	
n-Butylbenzene	0.05431	0.00500	mg/Kg wet	0.05000		109	65-140	4.84	30	
2-Butanone	0.1200	0.0100	mg/Kg wet	0.1000		120	30-160	13.8	30	
2-Butanone	0.1200	0.0100	mg/Kg wet	0.1000		120	30-160	13.8	30	
Carbon disulfide	0.05453	0.00500	mg/Kg wet	0.05000		109	45-160	6.12	30	
Carbon disulfide	0.05453	0.00500	mg/Kg wet	0.05000		109	45-160	6.12	30	
Carbon tetrachloride	0.05925	0.00500	mg/Kg wet	0.05000		118	65-135	14.3	30	
Carbon tetrachloride	0.05925	0.00500	mg/Kg wet	0.05000		118	65-135	14.3	30	
Chlorobenzene	0.05390	0.00500	mg/Kg wet	0.05000		108	75-125	6.64	30	
Chlorobenzene	0.05390	0.00500	mg/Kg wet	0.05000		108	75-125	6.64	30	
Chloroethane	0.07319	0.0100	mg/Kg wet	0.05000		146	40-155	18.8	30	
Chloroethane	0.07319	0.0100	mg/Kg wet	0.05000		146	40-155	18.8	30	
Chloroform	0.05498	0.00500	mg/Kg wet	0.05000		110	70-125	11.7	30	
Chloroform	0.05498	0.00500	mg/Kg wet	0.05000		110	70-125	11.7	30	
Chloromethane	0.08334	0.0100	mg/Kg wet	0.05000		167	50-130	33.1	30	
Chloromethane	0.08334	0.0100	mg/Kg wet	0.05000		167	50-130	33.1	30	
Cyclohexane	0.05259	0.00500	mg/Kg wet	0.05000		105	65-140	9.58	30	
Cyclohexane	0.05259	0.00500	mg/Kg wet	0.05000		105	65-140	9.58	30	
Dibromochloromethane	0.05709	0.00500	mg/Kg wet	0.05000		114	65-130	11.2	30	
Dibromochloromethane	0.05709	0.00500	mg/Kg wet	0.05000		114	65-130	11.2	30	
1,2-Dibromo-3-chloropropane	0.05937	0.00500	mg/Kg wet	0.05000		119	40-135	18.9	30	
1,2-Dibromo-3-chloropropane	0.05937	0.00500	mg/Kg wet	0.05000		119	40-135	18.9	30	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21026										
LCS Dup (1A21026-BSD1)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
1,2-Dibromoethane (EDB)	0.05554	0.00500	mg/Kg wet	0.05000		111	70-125	12.6	30	
1,2-Dibromoethane (EDB)	0.05554	0.00500	mg/Kg wet	0.05000		111	70-125	12.6	30	
1,2-Dichlorobenzene	0.05638	0.00500	mg/Kg wet	0.05000		113	75-120	9.39	30	
1,2-Dichlorobenzene	0.05638	0.00500	mg/Kg wet	0.05000		113	75-120	9.39	30	
1,3-Dichlorobenzene	0.05480	0.00500	mg/Kg wet	0.05000		110	70-125	9.59	30	
1,3-Dichlorobenzene	0.05480	0.00500	mg/Kg wet	0.05000		110	70-125	9.59	30	
1,4-Dichlorobenzene	0.05003	0.00500	mg/Kg wet	0.05000		100	70-125	2.84	30	
1,4-Dichlorobenzene	0.05003	0.00500	mg/Kg wet	0.05000		100	70-125	2.84	30	
Dichlorodifluoromethane	0.08261	0.0100	mg/Kg wet	0.05000		165	35-135	30.0	30	
Dichlorodifluoromethane	0.08261	0.0100	mg/Kg wet	0.05000		165	35-135	30.0	30	
1,1-Dichloroethane	0.05618	0.00500	mg/Kg wet	0.05000		112	75-125	8.80	30	
1,1-Dichloroethane	0.05618	0.00500	mg/Kg wet	0.05000		112	75-125	8.80	30	
1,2-Dichloroethane	0.06501	0.00500	mg/Kg wet	0.05000		130	70-135	21.7	30	
1,2-Dichloroethane	0.06501	0.00500	mg/Kg wet	0.05000		130	70-135	21.7	30	
1,1-Dichloroethene	0.05354	0.00500	mg/Kg wet	0.05000		107	65-135	3.99	30	
1,1-Dichloroethene	0.05354	0.00500	mg/Kg wet	0.05000		107	65-135	3.99	30	
cis-1,2-Dichloroethene	0.05332	0.00500	mg/Kg wet	0.05000		107	65-125	8.07	30	
cis-1,2-Dichloroethene	0.05332	0.00500	mg/Kg wet	0.05000		107	65-125	8.07	30	
trans-1,2-Dichloroethene	0.05354	0.00500	mg/Kg wet	0.05000		107	65-135	4.92	30	
trans-1,2-Dichloroethene	0.05354	0.00500	mg/Kg wet	0.05000		107	65-135	4.92	30	
1,2-Dichloropropane	0.05713	0.00500	mg/Kg wet	0.05000		114	70-120	10.8	30	
1,2-Dichloropropane	0.05713	0.00500	mg/Kg wet	0.05000		114	70-120	10.8	30	
cis-1,3-Dichloropropene	0.05300	0.00500	mg/Kg wet	0.05000		106	70-125	11.9	30	
cis-1,3-Dichloropropene	0.05300	0.00500	mg/Kg wet	0.05000		106	70-125	11.9	30	
trans-1,3-Dichloropropene	0.05582	0.00500	mg/Kg wet	0.05000		112	65-125	7.44	30	
trans-1,3-Dichloropropene	0.05582	0.00500	mg/Kg wet	0.05000		112	65-125	7.44	30	
Ethylbenzene	0.05253	0.00500	mg/Kg wet	0.05000		105	75-125	4.73	30	
Ethylbenzene	0.05253	0.00500	mg/Kg wet	0.05000		105	75-125	4.73	30	
Hexane	ND	0.00500	mg/Kg wet				60-130		30	
2-Hexanone	0.1198	0.00500	mg/Kg wet	0.1000		120	45-145	17.0	30	
2-Hexanone	0.1198	0.00500	mg/Kg wet	0.1000		120	45-145	17.0	30	
Isopropylbenzene	0.05684	0.00500	mg/Kg wet	0.05000		114	75-130	3.79	30	
Isopropylbenzene	0.05684	0.00500	mg/Kg wet	0.05000		114	75-130	3.79	30	
Methylene chloride	0.05511	0.00500	mg/Kg wet	0.05000		110	55-140	17.7	30	
Methylene chloride	0.05511	0.00500	mg/Kg wet	0.05000		110	55-140	17.7	30	
Methyl Acetate	0.05579	0.0100	mg/Kg wet	0.05000		112	45-165	15.4	30	
Methyl Acetate	0.05579	0.0100	mg/Kg wet	0.05000		112	45-165	15.4	30	
Methylcyclohexane	0.05200	0.00500	mg/Kg wet	0.05000		104	65-135	9.16	30	
Methylcyclohexane	0.05200	0.00500	mg/Kg wet	0.05000		104	65-135	9.16	30	
Naphthalene	0.05468	0.00500	mg/Kg wet	0.05000		109	40-125	13.8	30	
Naphthalene	0.05468	0.00500	mg/Kg wet	0.05000		109	40-125	13.8	30	
4-Methyl-2-pentanone	0.1224	0.00500	mg/Kg wet	0.1000		122	45-145	21.8	30	
4-Methyl-2-pentanone	0.1224	0.00500	mg/Kg wet	0.1000		122	45-145	21.8	30	
Methyl t-Butyl Ether	0.1095	0.00500	mg/Kg wet	0.1000		109	55-150	12.9	30	
Methyl t-Butyl Ether	0.1095	0.00500	mg/Kg wet	0.1000		109	55-150	12.9	30	
n-Propylbenzene	0.05515	0.00500	mg/Kg wet	0.05000		110	65-135	4.45	30	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21026										
LCS Dup (1A21026-BSD1)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
n-Propylbenzene	0.05515	0.00500	mg/Kg wet	0.05000		110	65-135	4.45	30	
Styrene	0.05565	0.00500	mg/Kg wet	0.05000		111	75-125	5.56	30	
Styrene	0.05565	0.00500	mg/Kg wet	0.05000		111	75-125	5.56	30	
1,1,2,2-Tetrachloroethane	0.05505	0.00500	mg/Kg wet	0.05000		110	55-130	10.4	30	
1,1,2,2-Tetrachloroethane	0.05505	0.00500	mg/Kg wet	0.05000		110	55-130	10.4	30	
Tetrachloroethene	0.05067	0.00500	mg/Kg wet	0.05000		101	65-140	4.84	30	
Tetrachloroethene	0.05067	0.00500	mg/Kg wet	0.05000		101	65-140	4.84	30	
Toluene	0.05129	0.00500	mg/Kg wet	0.05000		103	70-125	5.17	30	
Toluene	0.05129	0.00500	mg/Kg wet	0.05000		103	70-125	5.17	30	
1,2,4-Trichlorobenzene	0.05006	0.00500	mg/Kg wet	0.05000		100	65-130	1.34	30	
1,2,4-Trichlorobenzene	0.05006	0.00500	mg/Kg wet	0.05000		100	65-130	1.34	30	
1,1,2-Trichloroethane	0.05348	0.00500	mg/Kg wet	0.05000		107	60-125	12.1	30	
1,1,2-Trichloroethane	0.05348	0.00500	mg/Kg wet	0.05000		107	60-125	12.1	30	
1,1,1-Trichloroethane	0.05725	0.00500	mg/Kg wet	0.05000		115	70-135	11.9	30	
1,1,1-Trichloroethane	0.05725	0.00500	mg/Kg wet	0.05000		115	70-135	11.9	30	
Trichloroethene	0.05795	0.00500	mg/Kg wet	0.05000		116	75-125	14.3	30	
Trichloroethene	0.05795	0.00500	mg/Kg wet	0.05000		116	75-125	14.3	30	
Trichlorofluoromethane	0.06030	0.0100	mg/Kg wet	0.05000		121	25-185	18.3	30	
Trichlorofluoromethane	0.06030	0.0100	mg/Kg wet	0.05000		121	25-185	18.3	30	
1,3,5-Trimethylbenzene	0.05317	0.00500	mg/Kg wet	0.05000		106	65-135	4.24	30	
1,3,5-Trimethylbenzene	0.05317	0.00500	mg/Kg wet	0.05000		106	65-135	4.24	30	
1,2,4-Trimethylbenzene	0.05162	0.00500	mg/Kg wet	0.05000		103	65-135	1.69	30	
1,2,4-Trimethylbenzene	0.05162	0.00500	mg/Kg wet	0.05000		103	65-135	1.69	30	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.05567	0.00500	mg/Kg wet	0.05000		111	20-185	8.51	30	
Vinyl chloride	0.08152	0.0100	mg/Kg wet	0.05000		163	60-125	30.6	30	
Vinyl chloride	0.08152	0.0100	mg/Kg wet	0.05000		163	60-125	30.6	30	
Xylenes (total)	0.1637	0.00500	mg/Kg wet	0.1500		109	75-125	7.04	30	
Xylenes (total)	0.1637	0.00500	mg/Kg wet	0.1500		109	75-125	7.04	30	
Surrogate: Bromofluorobenzene	*0.02822*		*mg/Kg wet*	*0.03000*		*94.1*	*85-120*			
Surrogate: Bromofluorobenzene	*0.02822*		*mg/Kg wet*	*0.03000*		*94.1*	*85-120*			
Surrogate: Dibromofluoromethane	*0.03155*		*mg/Kg wet*	*0.03000*		*105*	*80-125*			
Surrogate: Dibromofluoromethane	*0.03155*		*mg/Kg wet*	*0.03000*		*105*	*80-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.03040*		*mg/Kg wet*	*0.03000*		*101*	*75-140*			
Surrogate: 1,2-Dichloroethane-d4	*0.03040*		*mg/Kg wet*	*0.03000*		*101*	*75-140*			
Surrogate: Toluene-d8	*0.02640*		*mg/Kg wet*	*0.03000*		*88.0*	*85-115*			
Surrogate: Toluene-d8	*0.02640*		*mg/Kg wet*	*0.03000*		*88.0*	*85-115*			

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21026										
LCS Dup (1A21026-BSD2)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
Acetone	ND	0.0500	mg/Kg wet				20-160		30	
Benzene	ND	0.00500	mg/Kg wet				75-125		30	
Bromodichloromethane	ND	0.00500	mg/Kg wet				70-130		30	
Bromoform	ND	0.00500	mg/Kg wet				55-135		30	
Bromomethane	ND	0.0100	mg/Kg wet				30-160		30	
n-Butylbenzene	ND	0.00500	mg/Kg wet				65-140		30	
2-Butanone	ND	0.0100	mg/Kg wet	0.1000			30-160		30	
Carbon disulfide	ND	0.00500	mg/Kg wet				45-160		30	
Carbon tetrachloride	ND	0.00500	mg/Kg wet				65-135		30	
Chlorobenzene	ND	0.00500	mg/Kg wet				75-125		30	
Chloroethane	ND	0.0100	mg/Kg wet				40-155		30	
Chloroform	ND	0.00500	mg/Kg wet				70-125		30	
Chloromethane	ND	0.0100	mg/Kg wet				50-130		30	
Cyclohexane	ND	0.00500	mg/Kg wet				65-140		30	
Dibromochloromethane	ND	0.00500	mg/Kg wet				65-130		30	
1,2-Dibromo-3-chloropropane	ND	0.00500	mg/Kg wet				40-135		30	
1,2-Dibromoethane (EDB)	ND	0.00500	mg/Kg wet				70-125		30	
1,2-Dichlorobenzene	ND	0.00500	mg/Kg wet				75-120		30	
1,3-Dichlorobenzene	ND	0.00500	mg/Kg wet				70-125		30	
1,4-Dichlorobenzene	ND	0.00500	mg/Kg wet				70-125		30	
Dichlorodifluoromethane	ND	0.0100	mg/Kg wet				35-135		30	
1,1-Dichloroethane	ND	0.00500	mg/Kg wet				75-125		30	
1,2-Dichloroethane	ND	0.00500	mg/Kg wet				70-135		30	
1,1-Dichloroethene	ND	0.00500	mg/Kg wet				65-135		30	
cis-1,2-Dichloroethene	ND	0.00500	mg/Kg wet				65-125		30	
trans-1,2-Dichloroethene	ND	0.00500	mg/Kg wet				65-135		30	
1,2-Dichloropropane	ND	0.00500	mg/Kg wet				70-120		30	
cis-1,3-Dichloropropene	ND	0.00500	mg/Kg wet				70-125		30	
trans-1,3-Dichloropropene	ND	0.00500	mg/Kg wet				65-125		30	
Ethylbenzene	ND	0.00500	mg/Kg wet				75-125		30	
Hexane	0.05578	0.00500	mg/Kg wet	0.05005		111	60-130	6.27	30	
2-Hexanone	ND	0.00500	mg/Kg wet				45-145		30	
Isopropylbenzene	ND	0.00500	mg/Kg wet				75-130		30	
Methylene chloride	ND	0.00500	mg/Kg wet				55-140		30	
Methyl Acetate	ND	0.0100	mg/Kg wet				45-165		30	
Methylcyclohexane	ND	0.00500	mg/Kg wet				65-135		30	
Naphthalene	ND	0.00500	mg/Kg wet				40-125		30	
4-Methyl-2-pentanone	ND	0.00500	mg/Kg wet				45-145		30	
Methyl t-Butyl Ether	ND	0.00500	mg/Kg wet				55-150		30	
n-Propylbenzene	ND	0.00500	mg/Kg wet				65-135		30	
Styrene	ND	0.00500	mg/Kg wet				75-125		30	
1,1,2,2-Tetrachloroethane	ND	0.00500	mg/Kg wet				55-130		30	
Tetrachloroethene	ND	0.00500	mg/Kg wet				65-140		30	
Toluene	ND	0.00500	mg/Kg wet				70-125		30	
1,2,4-Trichlorobenzene	ND	0.00500	mg/Kg wet				65-130		30	
1,1,2-Trichloroethane	ND	0.00500	mg/Kg wet				60-125		30	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21026										
LCS Dup (1A21026-BSD2)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
1,1,1-Trichloroethane	ND	0.00500	mg/Kg wet				70-135		30	
Trichloroethene	ND	0.00500	mg/Kg wet				75-125		30	
Trichlorofluoromethane	ND	0.0100	mg/Kg wet				25-185		30	
1,3,5-Trimethylbenzene	ND	0.00500	mg/Kg wet				65-135		30	
1,2,4-Trimethylbenzene	ND	0.00500	mg/Kg wet				65-135		30	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00500	mg/Kg wet				20-185		30	
Vinyl chloride	ND	0.0100	mg/Kg wet				60-125		30	
Xylenes (total)	ND	0.00500	mg/Kg wet				75-125		30	
Surrogate: Bromofluorobenzene	*0.02898*		*mg/Kg wet*	*0.03000*		*96.6*	*85-120*			
Surrogate: Dibromofluoromethane	*0.03029*		*mg/Kg wet*	*0.03000*		*101*	*80-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.03050*		*mg/Kg wet*	*0.03000*		*102*	*75-140*			
Surrogate: Toluene-d8	*0.02768*		*mg/Kg wet*	*0.03000*		*92.3*	*85-115*			
Batch 1A23001										
Blank (1A23001-BLK1)				Prepared & Analyzed: 01/23/2011						
Acetone	ND	0.0500	mg/Kg wet							
Benzene	ND	0.00500	mg/Kg wet							
Bromodichloromethane	ND	0.00500	mg/Kg wet							
Bromoform	ND	0.00500	mg/Kg wet							
Bromomethane	ND	0.0100	mg/Kg wet							
n-Butylbenzene	ND	0.00500	mg/Kg wet							
2-Butanone	ND	0.0100	mg/Kg wet							
Carbon disulfide	ND	0.00500	mg/Kg wet							
Carbon tetrachloride	ND	0.00500	mg/Kg wet							
Chlorobenzene	ND	0.00500	mg/Kg wet							
Chloroethane	ND	0.0100	mg/Kg wet							
Chloroform	ND	0.00500	mg/Kg wet							
Chloromethane	ND	0.0100	mg/Kg wet							
Cyclohexane	ND	0.00500	mg/Kg wet							
Dibromochloromethane	ND	0.00500	mg/Kg wet							
1,2-Dibromo-3-chloropropane	ND	0.00500	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.00500	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.00500	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.00500	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.00500	mg/Kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/Kg wet							
1,1-Dichloroethane	ND	0.00500	mg/Kg wet							
1,2-Dichloroethane	ND	0.00500	mg/Kg wet							
1,1-Dichloroethene	ND	0.00500	mg/Kg wet							
cis-1,2-Dichloroethene	ND	0.00500	mg/Kg wet							
trans-1,2-Dichloroethene	ND	0.00500	mg/Kg wet							
1,2-Dichloropropane	ND	0.00500	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.00500	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.00500	mg/Kg wet							
Ethylbenzene	ND	0.00500	mg/Kg wet							

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A23001										
Blank (1A23001-BLK1)				Prepared & Analyzed: 01/23/2011						
Hexane	ND	0.00500	mg/Kg wet							
2-Hexanone	ND	0.00500	mg/Kg wet							
Isopropylbenzene	ND	0.00500	mg/Kg wet							
Methylene chloride	ND	0.00500	mg/Kg wet							
Methyl Acetate	ND	0.0100	mg/Kg wet							
Methylcyclohexane	ND	0.00500	mg/Kg wet							
Naphthalene	ND	0.00500	mg/Kg wet							
4-Methyl-2-pentanone	ND	0.00500	mg/Kg wet							
Methyl t-Butyl Ether	ND	0.00500	mg/Kg wet							
n-Propylbenzene	ND	0.00500	mg/Kg wet							
Styrene	ND	0.00500	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.00500	mg/Kg wet							
Tetrachloroethene	ND	0.00500	mg/Kg wet							
Toluene	ND	0.00500	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.00500	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.00500	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.00500	mg/Kg wet							
Trichloroethene	ND	0.00500	mg/Kg wet							
Trichlorofluoromethane	ND	0.0100	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.00500	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.00500	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00500	mg/Kg wet							
Vinyl chloride	ND	0.0100	mg/Kg wet							
Xylenes (total)	ND	0.00500	mg/Kg wet							
Surrogate: Bromofluorobenzene	*0.03120*		*mg/Kg wet*	*0.03000*		*104*	*85-120*			
Surrogate: Dibromofluoromethane	*0.03247*		*mg/Kg wet*	*0.03000*		*108*	*80-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.03470*		*mg/Kg wet*	*0.03000*		*116*	*75-140*			
Surrogate: Toluene-d8	*0.02834*		*mg/Kg wet*	*0.03000*		*94.5*	*85-115*			

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A23001										
LCS (1A23001-BS1)				Prepared & Analyzed: 01/23/2011						
Acetone	0.1611	0.0500	mg/Kg wet	0.1000		161	20-160		30	
Benzene	0.04829	0.00500	mg/Kg wet	0.05000		96.6	75-125		30	
Bromodichloromethane	0.05397	0.00500	mg/Kg wet	0.05000		108	70-130		30	
Bromoform	0.05404	0.00500	mg/Kg wet	0.05000		108	55-135		30	
Bromomethane	0.06015	0.0100	mg/Kg wet	0.05000		120	30-160		30	
n-Butylbenzene	0.04784	0.00500	mg/Kg wet	0.05000		95.7	65-140		30	
2-Butanone	0.1492	0.0100	mg/Kg wet	0.1000		149	30-160		30	
Carbon disulfide	0.05065	0.00500	mg/Kg wet	0.05000		101	45-160		30	
Carbon tetrachloride	0.05028	0.00500	mg/Kg wet	0.05000		101	65-135		30	
Chlorobenzene	0.05038	0.00500	mg/Kg wet	0.05000		101	75-125		30	
Chloroethane	0.05921	0.0100	mg/Kg wet	0.05000		118	40-155		30	
Chloroform	0.04985	0.00500	mg/Kg wet	0.05000		99.7	70-125		30	
Chloromethane	0.06595	0.0100	mg/Kg wet	0.05000		132	50-130		30	
Cyclohexane	0.04861	0.00500	mg/Kg wet	0.05000		97.2	65-140		30	
Dibromochloromethane	0.05253	0.00500	mg/Kg wet	0.05000		105	65-130		30	
1,2-Dibromo-3-chloropropane	0.05077	0.00500	mg/Kg wet	0.05000		102	40-135		30	
1,2-Dibromoethane (EDB)	0.05383	0.00500	mg/Kg wet	0.05000		108	70-125		30	
1,2-Dichlorobenzene	0.04852	0.00500	mg/Kg wet	0.05000		97.0	75-120		30	
1,3-Dichlorobenzene	0.04762	0.00500	mg/Kg wet	0.05000		95.2	70-125		30	
1,4-Dichlorobenzene	0.04678	0.00500	mg/Kg wet	0.05000		93.6	70-125		30	
Dichlorodifluoromethane	0.04072	0.0100	mg/Kg wet	0.05000		81.4	35-135		30	
1,1-Dichloroethane	0.04976	0.00500	mg/Kg wet	0.05000		99.5	75-125		30	
1,2-Dichloroethane	0.05450	0.00500	mg/Kg wet	0.05000		109	70-135		30	
1,1-Dichloroethene	0.05176	0.00500	mg/Kg wet	0.05000		104	65-135		30	
cis-1,2-Dichloroethene	0.04872	0.00500	mg/Kg wet	0.05000		97.4	65-125		30	
trans-1,2-Dichloroethene	0.05114	0.00500	mg/Kg wet	0.05000		102	65-135		30	
1,2-Dichloropropane	0.04993	0.00500	mg/Kg wet	0.05000		99.9	70-120		30	
cis-1,3-Dichloropropene	0.04915	0.00500	mg/Kg wet	0.05000		98.3	70-125		30	
trans-1,3-Dichloropropene	0.05659	0.00500	mg/Kg wet	0.05000		113	65-125		30	
Ethylbenzene	0.04875	0.00500	mg/Kg wet	0.05000		97.5	75-125		30	
Hexane	ND	0.00500	mg/Kg wet				60-130		30	
2-Hexanone	0.1377	0.00500	mg/Kg wet	0.1000		138	45-145		30	
Isopropylbenzene	0.05350	0.00500	mg/Kg wet	0.05000		107	75-130		30	
Methylene chloride	0.05245	0.00500	mg/Kg wet	0.05000		105	55-140		30	
Methyl Acetate	0.05353	0.0100	mg/Kg wet	0.05000		107	45-165		30	
Methylcyclohexane	0.04905	0.00500	mg/Kg wet	0.05000		98.1	65-135		30	
Naphthalene	0.04830	0.00500	mg/Kg wet	0.05000		96.6	40-125		30	
4-Methyl-2-pentanone	0.1107	0.00500	mg/Kg wet	0.1000		111	45-145		30	
Methyl t-Butyl Ether	0.1034	0.00500	mg/Kg wet	0.1000		103	55-150		30	
n-Propylbenzene	0.04817	0.00500	mg/Kg wet	0.05000		96.3	65-135		30	
Styrene	0.05242	0.00500	mg/Kg wet	0.05000		105	75-125		30	
1,1,2,2-Tetrachloroethane	0.05005	0.00500	mg/Kg wet	0.05000		100	55-130		30	
Tetrachloroethene	0.04840	0.00500	mg/Kg wet	0.05000		96.8	65-140		30	
Toluene	0.04846	0.00500	mg/Kg wet	0.05000		96.9	70-125		30	
1,2,4-Trichlorobenzene	0.04604	0.00500	mg/Kg wet	0.05000		92.1	65-130		30	
1,1,2-Trichloroethane	0.04990	0.00500	mg/Kg wet	0.05000		99.8	60-125		30	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A23001										
LCS (1A23001-BS1)				Prepared & Analyzed: 01/23/2011						
1,1,1-Trichloroethane	0.05064	0.00500	mg/Kg wet	0.05000		101	70-135		30	
Trichloroethene	0.04975	0.00500	mg/Kg wet	0.05000		99.5	75-125		30	
Trichlorofluoromethane	0.05216	0.0100	mg/Kg wet	0.05000		104	25-185		30	
1,3,5-Trimethylbenzene	0.04768	0.00500	mg/Kg wet	0.05000		95.4	65-135		30	
1,2,4-Trimethylbenzene	0.04775	0.00500	mg/Kg wet	0.05000		95.5	65-135		30	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.05140	0.00500	mg/Kg wet	0.05000		103	20-185		30	
Vinyl chloride	0.06352	0.0100	mg/Kg wet	0.05000		127	60-125		30	
Xylenes (total)	0.1506	0.00500	mg/Kg wet	0.1500		100	75-125		30	
Surrogate: Bromofluorobenzene	*0.03014*		*mg/Kg wet*	*0.03000*		*100*	*85-120*			
Surrogate: Dibromofluoromethane	*0.03116*		*mg/Kg wet*	*0.03000*		*104*	*80-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.03047*		*mg/Kg wet*	*0.03000*		*102*	*75-140*			
Surrogate: Toluene-d8	*0.02757*		*mg/Kg wet*	*0.03000*		*91.9*	*85-115*			
LCS (1A23001-BS2)				Prepared & Analyzed: 01/23/2011						
Acetone	ND	0.0500	mg/Kg wet	0.1000			20-160		30	
Benzene	ND	0.00500	mg/Kg wet	0.05000			75-125		30	
Bromodichloromethane	ND	0.00500	mg/Kg wet	0.05000			70-130		30	
Bromoform	ND	0.00500	mg/Kg wet	0.05000			55-135		30	
Bromomethane	ND	0.0100	mg/Kg wet	0.05000			30-160		30	
n-Butylbenzene	ND	0.00500	mg/Kg wet	0.05000			65-140		30	
2-Butanone	ND	0.0100	mg/Kg wet	0.2000			30-160		30	
Carbon disulfide	ND	0.00500	mg/Kg wet	0.05000			45-160		30	
Carbon tetrachloride	ND	0.00500	mg/Kg wet	0.05000			65-135		30	
Chlorobenzene	ND	0.00500	mg/Kg wet	0.05000			75-125		30	
Chloroethane	ND	0.0100	mg/Kg wet	0.05000			40-155		30	
Chloroform	ND	0.00500	mg/Kg wet	0.05000			70-125		30	
Chloromethane	ND	0.0100	mg/Kg wet	0.05000			50-130		30	
Cyclohexane	ND	0.00500	mg/Kg wet	0.05000			65-140		30	
Dibromochloromethane	ND	0.00500	mg/Kg wet	0.05000			65-130		30	
1,2-Dibromo-3-chloropropane	ND	0.00500	mg/Kg wet	0.05000			40-135		30	
1,2-Dibromoethane (EDB)	ND	0.00500	mg/Kg wet	0.05000			70-125		30	
1,2-Dichlorobenzene	ND	0.00500	mg/Kg wet	0.05000			75-120		30	
1,3-Dichlorobenzene	ND	0.00500	mg/Kg wet	0.05000			70-125		30	
1,4-Dichlorobenzene	ND	0.00500	mg/Kg wet	0.05000			70-125		30	
Dichlorodifluoromethane	ND	0.0100	mg/Kg wet	0.05000			35-135		30	
1,1-Dichloroethane	ND	0.00500	mg/Kg wet	0.05000			75-125		30	
1,2-Dichloroethane	ND	0.00500	mg/Kg wet	0.05000			70-135		30	
1,1-Dichloroethene	ND	0.00500	mg/Kg wet	0.05000			65-135		30	
cis-1,2-Dichloroethene	ND	0.00500	mg/Kg wet	0.05000			65-125		30	
trans-1,2-Dichloroethene	ND	0.00500	mg/Kg wet	0.05000			65-135		30	
1,2-Dichloropropane	ND	0.00500	mg/Kg wet	0.05000			70-120		30	
cis-1,3-Dichloropropene	ND	0.00500	mg/Kg wet	0.05000			70-125		30	
trans-1,3-Dichloropropene	ND	0.00500	mg/Kg wet	0.05000			65-125		30	
Ethylbenzene	ND	0.00500	mg/Kg wet	0.05000			75-125		30	
Hexane	0.04660	0.00500	mg/Kg wet	0.05005		93.1	60-130		30	
2-Hexanone	ND	0.00500	mg/Kg wet	0.1000			45-145		30	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A23001										
LCS (1A23001-BS2)				Prepared & Analyzed: 01/23/2011						
Isopropylbenzene	ND	0.00500	mg/Kg wet	0.05000			75-130		30	
Methylene chloride	ND	0.00500	mg/Kg wet	0.05000			55-140		30	
Methyl Acetate	ND	0.0100	mg/Kg wet	0.05000			45-165		30	
Methylcyclohexane	ND	0.00500	mg/Kg wet	0.05000			65-135		30	
Naphthalene	ND	0.00500	mg/Kg wet	0.05000			40-125		30	
4-Methyl-2-pentanone	ND	0.00500	mg/Kg wet	0.1000			45-145		30	
Methyl t-Butyl Ether	ND	0.00500	mg/Kg wet	0.1000			55-150		30	
n-Propylbenzene	ND	0.00500	mg/Kg wet	0.05000			65-135		30	
Styrene	ND	0.00500	mg/Kg wet	0.05000			75-125		30	
1,1,2,2-Tetrachloroethane	ND	0.00500	mg/Kg wet	0.05000			55-130		30	
Tetrachloroethene	ND	0.00500	mg/Kg wet	0.05000			65-140		30	
Toluene	ND	0.00500	mg/Kg wet	0.05000			70-125		30	
1,2,4-Trichlorobenzene	ND	0.00500	mg/Kg wet	0.05000			65-130		30	
1,1,2-Trichloroethane	ND	0.00500	mg/Kg wet	0.05000			60-125		30	
1,1,1-Trichloroethane	ND	0.00500	mg/Kg wet	0.05000			70-135		30	
Trichloroethene	ND	0.00500	mg/Kg wet	0.05000			75-125		30	
Trichlorofluoromethane	ND	0.0100	mg/Kg wet	0.05000			25-185		30	
1,3,5-Trimethylbenzene	ND	0.00500	mg/Kg wet	0.05000			65-135		30	
1,2,4-Trimethylbenzene	ND	0.00500	mg/Kg wet	0.05000			65-135		30	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.00500	mg/Kg wet	0.05000			20-185		30	
Vinyl chloride	ND	0.0100	mg/Kg wet	0.05000			60-125		30	
Xylenes (total)	ND	0.00500	mg/Kg wet	0.1500			75-125		30	
Surrogate: Bromofluorobenzene	*0.02952*		*mg/Kg wet*	*0.03000*		*98.4*	*85-120*			
Surrogate: Dibromofluoromethane	*0.03260*		*mg/Kg wet*	*0.03000*		*109*	*80-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.03133*		*mg/Kg wet*	*0.03000*		*104*	*75-140*			
Surrogate: Toluene-d8	*0.02949*		*mg/Kg wet*	*0.03000*		*98.3*	*85-115*			

Organochlorine Pesticides and PCBs by GC - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19015										
Blank (1A19015-BLK1)				Prepared: 01/20/2011 Analyzed: 01/25/2011						
4,4'-DDE	ND	0.670	ug/Kg wet							
4,4'-DDE [2C]	ND	0.670	ug/Kg wet							
4,4'-DDD	ND	0.670	ug/Kg wet							
4,4'-DDD [2C]	ND	0.670	ug/Kg wet							
4,4'-DDT	ND	0.670	ug/Kg wet							
4,4'-DDT [2C]	ND	0.670	ug/Kg wet							
Aldrin	ND	0.670	ug/Kg wet							
Aldrin [2C]	ND	0.670	ug/Kg wet							
alpha-BHC	ND	0.670	ug/Kg wet							
alpha-BHC [2C]	ND	0.670	ug/Kg wet							
alpha-Chlordane	ND	0.670	ug/Kg wet							
alpha-Chlordane [2C]	ND	0.670	ug/Kg wet							
beta-BHC	ND	0.670	ug/Kg wet							
beta-BHC [2C]	ND	0.670	ug/Kg wet							
delta-BHC	ND	0.670	ug/Kg wet							
delta-BHC [2C]	ND	0.670	ug/Kg wet							
Dieldrin	ND	0.670	ug/Kg wet							
Dieldrin [2C]	ND	0.670	ug/Kg wet							
Endosulfan I	ND	0.670	ug/Kg wet							
Endosulfan I [2C]	ND	0.670	ug/Kg wet							
Endosulfan II	ND	0.670	ug/Kg wet							
Endosulfan II [2C]	ND	0.670	ug/Kg wet							
Endosulfan sulfate	ND	0.670	ug/Kg wet							
Endosulfan sulfate [2C]	ND	0.670	ug/Kg wet							
Endrin	ND	0.670	ug/Kg wet							
Endrin [2C]	ND	0.670	ug/Kg wet							
Endrin aldehyde	ND	0.670	ug/Kg wet							
Endrin aldehyde [2C]	ND	0.670	ug/Kg wet							
Endrin ketone	ND	0.670	ug/Kg wet							
Endrin ketone [2C]	ND	0.670	ug/Kg wet							
gamma-BHC (Lindane)	ND	0.670	ug/Kg wet							
gamma-BHC (Lindane) [2C]	ND	0.670	ug/Kg wet							
gamma-Chlordane	ND	0.670	ug/Kg wet							
gamma-Chlordane [2C]	ND	0.670	ug/Kg wet							
Heptachlor	ND	0.670	ug/Kg wet							
Heptachlor [2C]	ND	0.670	ug/Kg wet							
Heptachlor epoxide	ND	0.670	ug/Kg wet							
Heptachlor epoxide [2C]	ND	0.670	ug/Kg wet							
Methoxychlor	ND	0.670	ug/Kg wet							
Methoxychlor [2C]	ND	0.670	ug/Kg wet							
Chlordane (tech)	ND	1.70	ug/Kg wet							
Chlordane (tech) [2C]	ND	1.70	ug/Kg wet							
Toxaphene	ND	33.0	ug/Kg wet							
Toxaphene [2C]	ND	33.0	ug/Kg wet							
Surrogate: Tetrachloro-m-xylene	*12.50*		*ug/Kg wet*	*16.67*		*75.0*	*70-125*			
Surrogate: Tetrachloro-m-xylene [2C]	*12.14*		*ug/Kg wet*	*16.67*		*72.8*	*70-125*			

Organochlorine Pesticides and PCBs by GC - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19015										
Blank (1A19015-BLK1)				Prepared: 01/20/2011 Analyzed: 01/25/2011						
Surrogate: Decachlorobiphenyl	*13.90*		*ug/Kg wet*	*16.67*		*83.4*	*55-130*			
Surrogate: Decachlorobiphenyl [2C]	*12.43*		*ug/Kg wet*	*16.67*		*74.6*	*55-130*			
LCS (1A19015-BS1)				Prepared: 01/20/2011 Analyzed: 01/25/2011						
4,4'-DDE	25.17	0.670	ug/Kg wet	33.33		75.5	70-125			
4,4'-DDE [2C]	25.82	0.670	ug/Kg wet	33.33		77.5	70-125			
4,4'-DDD	26.93	0.670	ug/Kg wet	33.33		80.8	30-135			
4,4'-DDD [2C]	24.37	0.670	ug/Kg wet	33.33		73.1	30-135			
4,4'-DDT	28.24	0.670	ug/Kg wet	33.33		84.7	45-140			
4,4'-DDT [2C]	26.83	0.670	ug/Kg wet	33.33		80.5	45-140			
Aldrin [2C]	28.73	0.670	ug/Kg wet	33.33		86.2	45-140			
Aldrin	30.88	0.670	ug/Kg wet	33.33		92.7	45-140			
alpha-BHC	30.57	0.670	ug/Kg wet	33.33		91.7	60-125			
alpha-BHC [2C]	28.35	0.670	ug/Kg wet	33.33		85.0	60-125			
alpha-Chlordane	30.29	0.670	ug/Kg wet	33.33		90.9	65-120			
alpha-Chlordane [2C]	28.59	0.670	ug/Kg wet	33.33		85.8	65-120			
beta-BHC	28.84	0.670	ug/Kg wet	33.33		86.5	60-125			
beta-BHC [2C]	33.38	0.670	ug/Kg wet	33.33		100	60-125			
delta-BHC	26.79	0.670	ug/Kg wet	33.33		80.4	55-130			
delta-BHC [2C]	27.62	0.670	ug/Kg wet	33.33		82.9	55-130			
Dieldrin	31.13	0.670	ug/Kg wet	33.33		93.4	65-125			
Dieldrin [2C]	28.56	0.670	ug/Kg wet	33.33		85.7	65-125			
Endosulfan I	31.21	0.670	ug/Kg wet	33.33		93.6	15-135			
Endosulfan I [2C]	30.57	0.670	ug/Kg wet	33.33		91.7	15-135			
Endosulfan II	31.98	0.670	ug/Kg wet	33.33		96.0	35-140			
Endosulfan II [2C]	27.37	0.670	ug/Kg wet	33.33		82.1	35-140			
Endosulfan sulfate	31.97	0.670	ug/Kg wet	33.33		95.9	60-135			
Endosulfan sulfate [2C]	28.09	0.670	ug/Kg wet	33.33		84.3	60-135			
Endrin	32.32	0.670	ug/Kg wet	33.33		97.0	60-135			
Endrin [2C]	30.05	0.670	ug/Kg wet	33.33		90.1	60-135			
Endrin aldehyde	25.43	0.670	ug/Kg wet	33.33		76.3	35-145			
Endrin aldehyde [2C]	25.38	0.670	ug/Kg wet	33.33		76.1	35-145			
Endrin ketone	31.08	0.670	ug/Kg wet	33.33		93.2	65-135			
Endrin ketone [2C]	28.13	0.670	ug/Kg wet	33.33		84.4	65-135			
gamma-BHC (Lindane)	31.17	0.670	ug/Kg wet	33.33		93.5	60-125			
gamma-BHC (Lindane) [2C]	27.64	0.670	ug/Kg wet	33.33		82.9	60-125			
gamma-Chlordane	30.75	0.670	ug/Kg wet	33.33		92.3	65-125			
gamma-Chlordane [2C]	27.77	0.670	ug/Kg wet	33.33		83.3	65-125			
Heptachlor	30.07	0.670	ug/Kg wet	33.33		90.2	50-140			
Heptachlor [2C]	27.19	0.670	ug/Kg wet	33.33		81.6	50-140			
Heptachlor epoxide	30.76	0.670	ug/Kg wet	33.33		92.3	65-130			
Heptachlor epoxide [2C]	28.75	0.670	ug/Kg wet	33.33		86.2	65-130			
Methoxychlor	27.34	0.670	ug/Kg wet	33.33		82.0	55-145			
Methoxychlor [2C]	27.67	0.670	ug/Kg wet	33.33		83.0	55-145			
Surrogate: Tetrachloro-m-xylene	*13.04*		*ug/Kg wet*	*16.67*		*78.2*	*70-125*			
Surrogate: Tetrachloro-m-xylene [2C]	*12.56*		*ug/Kg wet*	*16.67*		*75.4*	*70-125*			

Organochlorine Pesticides and PCBs by GC - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19015										
LCS (1A19015-BS1)				Prepared: 01/20/2011 Analyzed: 01/25/2011						
Surrogate: Decachlorobiphenyl	*14.70*		*ug/Kg wet*	*16.67*		*88.2*	*55-130*			
Surrogate: Decachlorobiphenyl [2C]	*13.34*		*ug/Kg wet*	*16.67*		*80.0*	*55-130*			
Matrix Spike (1A19015-MS1)		**Source: 1101066-10**		Prepared: 01/20/2011 Analyzed: 01/25/2011						
4,4'-DDE	33.68	0.880	ug/Kg dry	43.78	ND	76.9	70-125			
4,4'-DDE [2C]	32.74	0.880	ug/Kg dry	43.78	ND	74.8	70-125			
4,4'-DDD	35.03	0.880	ug/Kg dry	43.78	0.5521	78.7	30-135			
4,4'-DDD [2C]	31.62	0.880	ug/Kg dry	43.78	ND	72.2	30-135			
4,4'-DDT	36.30	0.880	ug/Kg dry	43.78	ND	82.9	45-140			
4,4'-DDT [2C]	34.75	0.880	ug/Kg dry	43.78	ND	79.4	45-140			
Aldrin [2C]	31.00	0.880	ug/Kg dry	43.78	ND	70.8	45-140			
Aldrin	34.31	0.880	ug/Kg dry	43.78	ND	78.4	45-140			
alpha-BHC	36.74	0.880	ug/Kg dry	43.78	0.1764	83.5	60-125			
alpha-BHC [2C]	31.82	0.880	ug/Kg dry	43.78	0.3234	72.0	60-125			
alpha-Chlordane	34.18	0.880	ug/Kg dry	43.78	ND	78.1	65-120			
alpha-Chlordane [2C]	30.21	0.880	ug/Kg dry	43.78	ND	69.0	65-120			
beta-BHC	33.57	0.880	ug/Kg dry	43.78	ND	76.7	60-125			
beta-BHC [2C]	36.45	0.880	ug/Kg dry	43.78	ND	83.3	60-125			
delta-BHC	32.84	0.880	ug/Kg dry	43.78	ND	75.0	55-130			
delta-BHC [2C]	31.25	0.880	ug/Kg dry	43.78	ND	71.4	55-130			
Dieldrin	35.92	0.880	ug/Kg dry	43.78	ND	82.1	65-125			
Dieldrin [2C]	30.89	0.880	ug/Kg dry	43.78	ND	70.5	65-125			
Endosulfan I	34.65	0.880	ug/Kg dry	43.78	ND	79.1	15-135			
Endosulfan I [2C]	31.39	0.880	ug/Kg dry	43.78	ND	71.7	15-135			
Endosulfan II	34.27	0.880	ug/Kg dry	43.78	ND	78.3	35-140			
Endosulfan II [2C]	29.53	0.880	ug/Kg dry	43.78	ND	67.5	35-140			
Endosulfan sulfate	38.63	0.880	ug/Kg dry	43.78	ND	88.2	60-135			
Endosulfan sulfate [2C]	32.41	0.880	ug/Kg dry	43.78	ND	74.0	60-135			
Endrin	40.44	0.880	ug/Kg dry	43.78	ND	92.4	60-135			
Endrin [2C]	35.89	0.880	ug/Kg dry	43.78	ND	82.0	60-135			
Endrin aldehyde	27.61	0.880	ug/Kg dry	43.78	ND	63.1	35-145			
Endrin aldehyde [2C]	23.82	0.880	ug/Kg dry	43.78	ND	54.4	35-145			
Endrin ketone	35.78	0.880	ug/Kg dry	43.78	ND	81.7	65-135			
Endrin ketone [2C]	31.14	0.880	ug/Kg dry	43.78	ND	71.1	65-135			
gamma-BHC (Lindane)	35.78	0.880	ug/Kg dry	43.78	ND	81.7	60-125			
gamma-BHC (Lindane) [2C]	30.53	0.880	ug/Kg dry	43.78	ND	69.7	60-125			
gamma-Chlordane	35.25	0.880	ug/Kg dry	43.78	0.2554	79.9	65-125			
gamma-Chlordane [2C]	30.73	0.880	ug/Kg dry	43.78	0.2305	69.7	65-125			
Heptachlor	36.88	0.880	ug/Kg dry	43.78	1.228	81.4	50-140			
Heptachlor [2C]	31.71	0.880	ug/Kg dry	43.78	ND	72.4	50-140			
Heptachlor epoxide	34.20	0.880	ug/Kg dry	43.78	ND	78.1	65-130			
Heptachlor epoxide [2C]	31.37	0.880	ug/Kg dry	43.78	0.2168	71.2	65-130			
Methoxychlor	39.17	0.880	ug/Kg dry	43.78	2.516	83.7	55-145			
Methoxychlor [2C]	35.75	0.880	ug/Kg dry	43.78	0.4053	80.7	55-145			
Surrogate: Tetrachloro-m-xylene	*14.92*		*ug/Kg dry*	*21.89*		*68.2*	*70-125*			
Surrogate: Tetrachloro-m-xylene [2C]	*14.39*		*ug/Kg dry*	*21.89*		*65.8*	*70-125*			

Organochlorine Pesticides and PCBs by GC - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19015										
Matrix Spike (1A19015-MS1)	**Source: 1101066-10**		Prepared: 01/20/2011 Analyzed: 01/25/2011							
Surrogate: Decachlorobiphenyl	*16.39*		*ug/Kg dry*	*21.89*		*74.9*	*55-130*			
Surrogate: Decachlorobiphenyl [2C]	*13.19*		*ug/Kg dry*	*21.89*		*60.2*	*55-130*			
Matrix Spike Dup (1A19015-MSD1)	**Source: 1101066-10**		Prepared: 01/20/2011 Analyzed: 01/25/2011							
4,4'-DDE	32.42	0.897	ug/Kg dry	44.64	ND	72.6	70-125	3.81	30	
4,4'-DDE [2C]	31.14	0.897	ug/Kg dry	44.64	ND	69.8	70-125	4.99	30	
4,4'-DDD	33.10	0.897	ug/Kg dry	44.64	0.5521	72.9	30-135	5.67	30	
4,4'-DDD [2C]	29.84	0.897	ug/Kg dry	44.64	ND	66.8	30-135	5.81	30	
4,4'-DDT	32.67	0.897	ug/Kg dry	44.64	ND	73.2	45-140	10.5	30	
4,4'-DDT [2C]	31.92	0.897	ug/Kg dry	44.64	ND	71.5	45-140	8.49	30	
Aldrin [2C]	29.99	0.897	ug/Kg dry	44.64	ND	67.2	45-140	3.30	30	
Aldrin	33.03	0.897	ug/Kg dry	44.64	ND	74.0	45-140	3.81	30	
alpha-BHC	35.48	0.897	ug/Kg dry	44.64	0.1764	79.1	60-125	3.48	30	
alpha-BHC [2C]	31.00	0.897	ug/Kg dry	44.64	0.3234	68.7	60-125	2.62	30	
alpha-Chlordane	32.56	0.897	ug/Kg dry	44.64	ND	72.9	65-120	4.83	30	
alpha-Chlordane [2C]	28.95	0.897	ug/Kg dry	44.64	ND	64.9	65-120	4.26	30	
beta-BHC	31.66	0.897	ug/Kg dry	44.64	ND	70.9	60-125	5.88	30	
beta-BHC [2C]	34.52	0.897	ug/Kg dry	44.64	ND	77.3	60-125	5.43	30	
delta-BHC	30.81	0.897	ug/Kg dry	44.64	ND	69.0	55-130	6.38	30	
delta-BHC [2C]	29.72	0.897	ug/Kg dry	44.64	ND	66.6	55-130	5.04	30	
Dieldrin	34.30	0.897	ug/Kg dry	44.64	ND	76.8	65-125	4.62	30	
Dieldrin [2C]	30.11	0.897	ug/Kg dry	44.64	ND	67.5	65-125	2.53	30	
Endosulfan I	33.10	0.897	ug/Kg dry	44.64	ND	74.1	15-135	4.58	30	
Endosulfan I [2C]	30.23	0.897	ug/Kg dry	44.64	ND	67.7	15-135	3.77	30	
Endosulfan II	32.57	0.897	ug/Kg dry	44.64	ND	73.0	35-140	5.10	30	
Endosulfan II [2C]	29.08	0.897	ug/Kg dry	44.64	ND	65.1	35-140	1.53	30	
Endosulfan sulfate	35.14	0.897	ug/Kg dry	44.64	ND	78.7	60-135	9.47	30	
Endosulfan sulfate [2C]	30.08	0.897	ug/Kg dry	44.64	ND	67.4	60-135	7.46	30	
Endrin	37.60	0.897	ug/Kg dry	44.64	ND	84.2	60-135	7.26	30	
Endrin [2C]	34.14	0.897	ug/Kg dry	44.64	ND	76.5	60-135	5.00	30	
Endrin aldehyde	25.89	0.897	ug/Kg dry	44.64	ND	58.0	35-145	6.46	30	
Endrin aldehyde [2C]	22.39	0.897	ug/Kg dry	44.64	ND	50.2	35-145	6.18	30	
Endrin ketone	33.63	0.897	ug/Kg dry	44.64	ND	75.3	65-135	6.19	30	
Endrin ketone [2C]	28.86	0.897	ug/Kg dry	44.64	ND	64.6	65-135	7.61	30	
gamma-BHC (Lindane)	34.13	0.897	ug/Kg dry	44.64	ND	76.4	60-125	4.72	30	
gamma-BHC (Lindane) [2C]	29.57	0.897	ug/Kg dry	44.64	ND	66.2	60-125	3.22	30	
gamma-Chlordane	33.40	0.897	ug/Kg dry	44.64	0.2554	74.2	65-125	5.41	30	
gamma-Chlordane [2C]	29.44	0.897	ug/Kg dry	44.64	0.2305	65.4	65-125	4.29	30	
Heptachlor	33.77	0.897	ug/Kg dry	44.64	1.228	72.9	50-140	8.80	30	
Heptachlor [2C]	29.51	0.897	ug/Kg dry	44.64	ND	66.1	50-140	7.20	30	
Heptachlor epoxide	32.71	0.897	ug/Kg dry	44.64	ND	73.3	65-130	4.44	30	
Heptachlor epoxide [2C]	30.10	0.897	ug/Kg dry	44.64	0.2168	66.9	65-130	4.13	30	
Methoxychlor	34.86	0.897	ug/Kg dry	44.64	2.516	72.4	55-145	11.7	30	
Methoxychlor [2C]	32.12	0.897	ug/Kg dry	44.64	0.4053	71.0	55-145	10.7	30	
Surrogate: Tetrachloro-m-xylene	*14.45*		*ug/Kg dry*	*22.32*		*64.7*	*70-125*			
Surrogate: Tetrachloro-m-xylene [2C]	*14.01*		*ug/Kg dry*	*22.32*		*62.8*	*70-125*			

Organochlorine Pesticides and PCBs by GC - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19015										
Matrix Spike Dup (1A19015-MSD1)		**Source: 1101066-10**		Prepared: 01/20/2011 Analyzed: 01/25/2011						
Surrogate: Decachlorobiphenyl	*15.59*		*ug/Kg dry*	*22.32*		*69.8*	*55-130*			
Surrogate: Decachlorobiphenyl [2C]	*12.40*		*ug/Kg dry*	*22.32*		*55.5*	*55-130*			

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19013										
Blank (1A19013-BLK1)				Prepared: 01/20/2011 Analyzed: 01/26/2011						
Acenaphthene	ND	330	ug/Kg wet							
Acenaphthene	ND	0.330	mg/Kg wet							
Acenaphthylene	ND	330	ug/Kg wet							
Acenaphthylene	ND	0.330	mg/Kg wet							
Anthracene	ND	330	ug/Kg wet							
Anthracene	ND	0.330	mg/Kg wet							
Benzo(a)anthracene	ND	330	ug/Kg wet							
Benzo(a)anthracene	ND	0.330	mg/Kg wet							
Benzo(a)pyrene	ND	330	ug/Kg wet							
Benzo(a)pyrene	ND	0.330	mg/Kg wet							
Benzo(b)fluoranthene	ND	330	ug/Kg wet							
Benzo(b)fluoranthene	ND	0.330	mg/Kg wet							
Benzo(g,h,i)perylene	ND	330	ug/Kg wet							
Benzo(g,h,i)perylene	ND	0.330	mg/Kg wet							
Benzoic acid	ND	1.30	mg/Kg wet							
Benzo(k)fluoranthene	ND	330	ug/Kg wet							
Benzo(k)fluoranthene	ND	0.330	mg/Kg wet							
4-Bromophenyl-phenylether	ND	0.330	mg/Kg wet							
Butylbenzylphthalate	ND	0.330	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.330	mg/Kg wet							
4-Chloroaniline	ND	0.330	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.330	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.330	mg/Kg wet							
2,2'-Oxybis-1-chloropropane	ND	0.330	mg/Kg wet							
2-Chloronaphthalene	ND	0.330	mg/Kg wet							
2-Chlorophenol	ND	0.330	mg/Kg wet							
4-Chlorophenyl phenyl ether	ND	0.330	mg/Kg wet							
Chrysene	ND	330	ug/Kg wet							
Chrysene	ND	0.330	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.330	mg/Kg wet							
Dibenz(a,h)anthracene	ND	330	ug/Kg wet							
Dibenzofuran	ND	0.330	mg/Kg wet							
Di-n-butylphthalate	ND	0.330	mg/Kg wet							
3,3'-Dichlorobenzidine	ND	0.330	mg/Kg wet							
2,4-Dichlorophenol	ND	0.330	mg/Kg wet							
Diethylphthalate	ND	0.330	mg/Kg wet							
2,4-Dimethylphenol	ND	1.30	mg/Kg wet							
Dimethyl phthalate	ND	0.330	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	3.30	mg/Kg wet							
2,4-Dinitrophenol	ND	3.30	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.330	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.330	mg/Kg wet							
Di-n-octylphthalate	ND	0.330	mg/Kg wet							
Bis(2-ethylhexyl)phthalate	ND	0.330	mg/Kg wet							
Fluoranthene	ND	330	ug/Kg wet							
Fluoranthene	ND	0.330	mg/Kg wet							

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19013										
Blank (1A19013-BLK1)				Prepared: 01/20/2011 Analyzed: 01/26/2011						
Fluorene	ND	0.330	mg/Kg wet							
Fluorene	ND	330	ug/Kg wet							
Hexachlorobenzene	ND	0.330	mg/Kg wet							
Hexachlorobutadiene	ND	0.330	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.330	mg/Kg wet							
Hexachloroethane	ND	0.330	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.330	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg wet							
Isophorone	ND	0.330	mg/Kg wet							
1-Methylnaphthalene	ND	330	ug/Kg wet							
2-Methylnaphthalene	ND	330	ug/Kg wet							
2-Methylnaphthalene	ND	0.330	mg/Kg wet							
2-Methylphenol	ND	0.330	mg/Kg wet							
4-Methylphenol	ND	0.330	mg/Kg wet							
Naphthalene	ND	0.330	mg/Kg wet							
Naphthalene	ND	330	ug/Kg wet							
Nitrobenzene	ND	0.330	mg/Kg wet							
4-Nitrophenol	ND	1.30	mg/Kg wet							
2-Nitrophenol	ND	0.330	mg/Kg wet							
N-Nitrosodiphenylamine	ND	0.330	mg/Kg wet							
N-Nitroso-di-n-propylamine	ND	0.330	mg/Kg wet							
Pentachlorophenol	ND	1.30	mg/Kg wet							
Phenanthrene	ND	0.330	mg/Kg wet							
Phenanthrene	ND	330	ug/Kg wet							
Phenol	ND	0.330	mg/Kg wet							
Pyrene	ND	330	ug/Kg wet							
Pyrene	ND	0.330	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.330	mg/Kg wet							
Surrogate: 2-Fluorobiphenyl	*2441*		*ug/Kg wet*	*3333*		*73.2*	*45-105*			
Surrogate: 2-Fluorobiphenyl	*2.441*		*mg/Kg wet*	*3.333*		*73.2*	*45-105*			
Surrogate: 2-Fluorophenol	*5.450*		*mg/Kg wet*	*6.667*		*81.7*	*35-105*			
Surrogate: Nitrobenzene-d5	*3283*		*ug/Kg wet*	*3333*		*98.5*	*35-100*			
Surrogate: Nitrobenzene-d5	*3.283*		*mg/Kg wet*	*3.333*		*98.5*	*35-100*			
Surrogate: Phenol-d6	*6.101*		*mg/Kg wet*	*6.667*		*91.5*	*40-100*			
Surrogate: Terphenyl-d14	*2.770*		*mg/Kg wet*	*3.333*		*83.1*	*30-125*			
Surrogate: Terphenyl-d14	*2770*		*ug/Kg wet*	*3333*		*83.1*	*30-125*			
Surrogate: 2,4,6-Tribromophenol	*4.318*		*mg/Kg wet*	*6.667*		*64.8*	*35-125*			

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19013										
LCS (1A19013-BS1)				Prepared: 01/20/2011 Analyzed: 01/26/2011						
Acenaphthene	2538	330	ug/Kg wet	3333		76.1	45-110			
Acenaphthene	2.538	0.330	mg/Kg wet	3.333		76.1	45-110		30	
Acenaphthylene	2379	330	ug/Kg wet	3333		71.4	45-105			
Acenaphthylene	2.379	0.330	mg/Kg wet	3.333		71.4	45-105		30	
Anthracene	2712	330	ug/Kg wet	3333		81.4	55-105			
Anthracene	2.712	0.330	mg/Kg wet	3.333		81.4	55-105		30	
Benzo(a)anthracene	2901	330	ug/Kg wet	3333		87.0	50-110			
Benzo(a)anthracene	2.901	0.330	mg/Kg wet	3.333		87.0	50-110		30	
Benzo(a)pyrene	2964	330	ug/Kg wet	3333		88.9	50-110			
Benzo(a)pyrene	2.964	0.330	mg/Kg wet	3.333		88.9	50-110		30	
Benzo(b)fluoranthene	3172	330	ug/Kg wet	3333		95.2	45-115			
Benzo(b)fluoranthene	3.172	0.330	mg/Kg wet	3.333		95.2	45-115		30	
Benzo(g,h,i)perylene	2439	330	ug/Kg wet	3333		73.2	40-125			
Benzo(g,h,i)perylene	2.439	0.330	mg/Kg wet	3.333		73.2	40-125		30	
Benzoic acid	3.150	1.30	mg/Kg wet	3.333		94.5	0-110		30	
Benzo(k)fluoranthene	3040	330	ug/Kg wet	3333		91.2	45-125			
Benzo(k)fluoranthene	3.040	0.330	mg/Kg wet	3.333		91.2	45-125		30	
4-Bromophenyl-phenylether	2.852	0.330	mg/Kg wet	3.333		85.6	45-115		30	
Butylbenzylphthalate	3.151	0.330	mg/Kg wet	3.333		94.5	50-125		30	
4-Chloro-3-methylphenol	3.852	0.330	mg/Kg wet	3.333		116	45-115		30	
4-Chloroaniline	1.705	0.330	mg/Kg wet	3.333		51.2	10-95		30	
Bis(2-chloroethoxy)methane	3.712	0.330	mg/Kg wet	3.333		111	45-110		30	
Bis(2-chloroethyl)ether	3.574	0.330	mg/Kg wet	3.333		107	40-105		30	
2,2'-Oxybis-1-chloropropane	4.529	0.330	mg/Kg wet	3.333		136	20-115		30	
2-Chloronaphthalene	2.642	0.330	mg/Kg wet	3.333		79.3	45-105		30	
2-Chlorophenol	3.103	0.330	mg/Kg wet	3.333		93.1	45-105		30	
4-Chlorophenyl phenyl ether	2.746	0.330	mg/Kg wet	3.333		82.4	45-110		30	
Chrysene	2493	330	ug/Kg wet	3333		74.8	55-110			
Chrysene	2.493	0.330	mg/Kg wet	3.333		74.8	55-110		30	
Dibenz(a,h)anthracene	2690	330	ug/Kg wet	3333		80.7	40-125			
Dibenz(a,h)anthracene	2.690	0.330	mg/Kg wet	3.333		80.7	40-125		30	
Dibenzofuran	2.562	0.330	mg/Kg wet	3.333		76.9	50-105		30	
Di-n-butylphthalate	2.944	0.330	mg/Kg wet	3.333		88.3	55-110		30	
3,3'-Dichlorobenzidine	2.546	0.330	mg/Kg wet	3.333		76.4	19-130		30	
2,4-Dichlorophenol	3.481	0.330	mg/Kg wet	3.333		104	45-110		30	
Diethylphthalate	2.835	0.330	mg/Kg wet	3.333		85.0	50-115		30	
2,4-Dimethylphenol	3.613	1.30	mg/Kg wet	3.333		108	30-105		30	
Dimethyl phthalate	2.961	0.330	mg/Kg wet	3.333		88.8	50-110		30	
4,6-Dinitro-2-methylphenol	3.419	3.30	mg/Kg wet	3.333		103	30-135		30	
2,4-Dinitrophenol	3.409	3.30	mg/Kg wet	3.333		102	15-130		30	
2,4-Dinitrotoluene	2.930	0.330	mg/Kg wet	3.333		87.9	50-115		30	
2,6-Dinitrotoluene	2.867	0.330	mg/Kg wet	3.333		86.0	50-110		30	
Di-n-octylphthalate	3.408	0.330	mg/Kg wet	3.333		102	40-130		30	
Bis(2-ethylhexyl)phthalate	2.966	0.330	mg/Kg wet	3.333		89.0	45-125		30	
Fluoranthene	3096	330	ug/Kg wet	3333		92.9	55-115			
Fluoranthene	3.096	0.330	mg/Kg wet	3.333		92.9	55-115		30	

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19013										
LCS (1A19013-BS1)				Prepared: 01/20/2011 Analyzed: 01/26/2011						
Fluorene	2530	330	ug/Kg wet	3333		75.9	50-110			
Fluorene	2.530	0.330	mg/Kg wet	3.333		75.9	50-110		30	
Hexachlorobenzene	2.587	0.330	mg/Kg wet	3.333		77.6	45-120		30	
Hexachlorobutadiene	3.399	0.330	mg/Kg wet	3.333		102	30-110		30	
Hexachlorocyclopentadiene	2.667	0.330	mg/Kg wet	3.333		80.0	10-110		30	
Hexachloroethane	3.119	0.330	mg/Kg wet	3.333		93.6	35-110		30	
Indeno(1,2,3-cd)pyrene	2662	330	ug/Kg wet	3333		79.8	40-120			
Indeno(1,2,3-cd)pyrene	2.662	0.330	mg/Kg wet	3.333		79.8	40-120		30	
Isophorone	3.657	0.330	mg/Kg wet	3.333		110	45-110		30	
1-Methylnaphthalene	2624	330	ug/Kg wet	3333		78.7	30-110			
2-Methylnaphthalene	2786	330	ug/Kg wet	3333		83.6	40-110			
2-Methylnaphthalene	2.786	0.330	mg/Kg wet	3.333		83.6	40-110		30	
2-Methylphenol	3.569	0.330	mg/Kg wet	3.333		107	40-105		30	
4-Methylphenol	3.508	0.330	mg/Kg wet	3.333		105	40-105		30	
Naphthalene	2.603	0.330	mg/Kg wet	3.333		78.1	40-105		30	
Naphthalene	2603	330	ug/Kg wet	3333		78.1	40-105			
Nitrobenzene	3.804	0.330	mg/Kg wet	3.333		114	40-115		30	
4-Nitrophenol	3.845	1.30	mg/Kg wet	3.333		115	15-140		30	
2-Nitrophenol	3.212	0.330	mg/Kg wet	3.333		96.4	40-110		30	
N-Nitrosodiphenylamine	1.952	0.330	mg/Kg wet	3.333		58.5	50-115		30	
N-Nitroso-di-n-propylamine	3.992	0.330	mg/Kg wet	3.333		120	40-115		30	
Pentachlorophenol	3.603	1.30	mg/Kg wet	3.333		108	25-120		30	
Phenanthrene	2.651	0.330	mg/Kg wet	3.333		79.5	50-110		30	
Phenanthrene	2651	330	ug/Kg wet	3333		79.5	50-110			
Phenol	3.609	0.330	mg/Kg wet	3.333		108	40-100		30	
Pyrene	3.016	0.330	mg/Kg wet	3.333		90.5	45-125		30	
Pyrene	3016	330	ug/Kg wet	3333		90.5	45-125			
2,4,6-Trichlorophenol	3.451	0.330	mg/Kg wet	3.333		104	45-110		30	
Surrogate: 2-Fluorobiphenyl	*2711*		*ug/Kg wet*	*3333*		*81.3*	*45-105*			
Surrogate: 2-Fluorobiphenyl	*2.711*		*mg/Kg wet*	*3.333*		*81.3*	*45-105*			
Surrogate: 2-Fluorophenol	*6.365*		*mg/Kg wet*	*6.667*		*95.5*	*35-105*			
Surrogate: Nitrobenzene-d5	*3.815*		*mg/Kg wet*	*3.333*		*114*	*35-100*			
Surrogate: Nitrobenzene-d5	*3815*		*ug/Kg wet*	*3333*		*114*	*35-100*			
Surrogate: Phenol-d6	*7.083*		*mg/Kg wet*	*6.667*		*106*	*40-100*			
Surrogate: Terphenyl-d14	*2.908*		*mg/Kg wet*	*3.333*		*87.3*	*30-125*			
Surrogate: Terphenyl-d14	*2908*		*ug/Kg wet*	*3333*		*87.3*	*30-125*			
Surrogate: 2,4,6-Tribromophenol	*4.821*		*mg/Kg wet*	*6.667*		*72.3*	*35-125*			

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19013										
Matrix Spike (1A19013-MS1)	**Source: 1101066-10**		Prepared: 01/20/2011 Analyzed: 01/26/2011							
Acenaphthene	3.315	0.445	mg/Kg dry	4.494	ND	73.8	45-110		30	
Acenaphthene	3315	445	ug/Kg dry	4494	ND	73.8	45-110			
Acenaphthylene	3.120	0.445	mg/Kg dry	4.494	ND	69.4	45-105		30	
Acenaphthylene	3120	445	ug/Kg dry	4494	ND	69.4	45-105			
Anthracene	3.542	0.445	mg/Kg dry	4.494	ND	78.8	55-105		30	
Anthracene	3542	445	ug/Kg dry	4494	ND	78.8	55-105			
Benzo(a)anthracene	3.898	0.445	mg/Kg dry	4.494	0.07672	85.0	50-110		30	
Benzo(a)anthracene	3898	445	ug/Kg dry	4494	76.72	85.0	50-110			
Benzo(a)pyrene	3.864	0.445	mg/Kg dry	4.494	ND	86.0	50-110		30	
Benzo(a)pyrene	3864	445	ug/Kg dry	4494	ND	86.0	50-110			
Benzo(b)fluoranthene	4.435	0.445	mg/Kg dry	4.494	0.1153	96.1	45-115		30	
Benzo(b)fluoranthene	4435	445	ug/Kg dry	4494	115.3	96.1	45-115			
Benzo(g,h,i)perylene	3.603	0.445	mg/Kg dry	4.494	0.2537	74.5	40-125		30	
Benzo(g,h,i)perylene	3603	445	ug/Kg dry	4494	253.7	74.5	40-125			
Benzoic acid	ND	1.75	mg/Kg dry	4.494	ND		0-110		30	
Benzo(k)fluoranthene	4.263	0.445	mg/Kg dry	4.494	ND	94.9	45-125		30	
Benzo(k)fluoranthene	4263	445	ug/Kg dry	4494	ND	94.9	45-125			
4-Bromophenyl-phenylether	3.824	0.445	mg/Kg dry	4.494	ND	85.1	45-115		30	
Butylbenzylphthalate	5.473	0.445	mg/Kg dry	4.494	ND	122	50-125		30	
4-Chloro-3-methylphenol	4.348	0.445	mg/Kg dry	4.494	ND	96.8	45-115		30	
4-Chloroaniline	2.399	0.445	mg/Kg dry	4.494	ND	53.4	10-95		30	
Bis(2-chloroethoxy)methane	4.675	0.445	mg/Kg dry	4.494	ND	104	45-110		30	
Bis(2-chloroethyl)ether	4.330	0.445	mg/Kg dry	4.494	ND	96.4	40-105		30	
2,2'-Oxybis-1-chloropropane	5.619	0.445	mg/Kg dry	4.494	ND	125	20-115		30	
2-Chloronaphthalene	3.460	0.445	mg/Kg dry	4.494	ND	77.0	45-105		30	
2-Chlorophenol	3.503	0.445	mg/Kg dry	4.494	ND	78.0	45-105		30	
4-Chlorophenyl phenyl ether	3.628	0.445	mg/Kg dry	4.494	ND	80.7	45-110		30	
Chrysene	3.273	0.445	mg/Kg dry	4.494	0.07577	71.1	55-110		30	
Chrysene	3273	445	ug/Kg dry	4494	75.77	71.1	55-110			
Dibenz(a,h)anthracene	3.692	0.445	mg/Kg dry	4.494	ND	82.1	40-125		30	
Dibenz(a,h)anthracene	3692	445	ug/Kg dry	4494	ND	82.1	40-125			
Dibenzofuran	3.402	0.445	mg/Kg dry	4.494	0.04633	74.7	50-105		30	
Di-n-butylphthalate	3.918	0.445	mg/Kg dry	4.494	ND	87.2	55-110		30	
3,3'-Dichlorobenzidine	3.057	0.445	mg/Kg dry	4.494	ND	68.0	19-130		30	
2,4-Dichlorophenol	3.853	0.445	mg/Kg dry	4.494	ND	85.7	45-110		30	
Diethylphthalate	3.739	0.445	mg/Kg dry	4.494	ND	83.2	50-115		30	
2,4-Dimethylphenol	2.425	1.75	mg/Kg dry	4.494	ND	54.0	30-105		30	
Dimethyl phthalate	3.880	0.445	mg/Kg dry	4.494	ND	86.3	50-110		30	
4,6-Dinitro-2-methylphenol	ND	4.45	mg/Kg dry	4.494	ND	14.8	30-135		30	
2,4-Dinitrophenol	ND	4.45	mg/Kg dry	4.494	ND		15-130		30	
2,4-Dinitrotoluene	3.541	0.445	mg/Kg dry	4.494	ND	78.8	50-115		30	
2,6-Dinitrotoluene	3.629	0.445	mg/Kg dry	4.494	ND	80.7	50-110		30	
Di-n-octylphthalate	6.927	0.445	mg/Kg dry	4.494	ND	154	40-130		30	
Bis(2-ethylhexyl)phthalate	5.054	0.445	mg/Kg dry	4.494	ND	112	45-125		30	
Fluoranthene	3.716	0.445	mg/Kg dry	4.494	0.1243	79.9	55-115		30	
Fluoranthene	3716	445	ug/Kg dry	4494	124.3	79.9	55-115			

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19013										
Matrix Spike (1A19013-MS1)	**Source: 1101066-10**		Prepared: 01/20/2011 Analyzed: 01/26/2011							
Fluorene	3338	445	ug/Kg dry	4494	ND	74.3	50-110			
Fluorene	3.338	0.445	mg/Kg dry	4.494	ND	74.3	50-110		30	
Hexachlorobenzene	3.377	0.445	mg/Kg dry	4.494	ND	75.2	45-120		30	
Hexachlorobutadiene	4.211	0.445	mg/Kg dry	4.494	ND	93.7	30-110		30	
Hexachlorocyclopentadiene	1.582	0.445	mg/Kg dry	4.494	ND	35.2	10-110		30	
Hexachloroethane	3.708	0.445	mg/Kg dry	4.494	ND	82.5	35-110		30	
Indeno(1,2,3-cd)pyrene	3620	445	ug/Kg dry	4494	155.5	77.1	40-120			
Indeno(1,2,3-cd)pyrene	3.620	0.445	mg/Kg dry	4.494	0.1555	77.1	40-120		30	
Isophorone	4.501	0.445	mg/Kg dry	4.494	ND	100	45-110		30	
1-Methylnaphthalene	3536	445	ug/Kg dry	4494	174.2	74.8	30-110			
2-Methylnaphthalene	3.761	0.445	mg/Kg dry	4.494	0.2108	79.0	40-110		30	
2-Methylnaphthalene	3761	445	ug/Kg dry	4494	210.8	79.0	40-110			
2-Methylphenol	3.402	0.445	mg/Kg dry	4.494	ND	75.7	40-105		30	
4-Methylphenol	3.303	0.445	mg/Kg dry	4.494	ND	73.5	40-105		30	
Naphthalene	3.408	0.445	mg/Kg dry	4.494	0.1393	72.7	40-105		30	
Naphthalene	3408	445	ug/Kg dry	4494	139.3	72.7	40-105			
Nitrobenzene	4.599	0.445	mg/Kg dry	4.494	ND	102	40-115		30	
4-Nitrophenol	3.292	1.75	mg/Kg dry	4.494	ND	73.3	15-140		30	
2-Nitrophenol	3.062	0.445	mg/Kg dry	4.494	ND	68.1	40-110		30	
N-Nitrosodiphenylamine	2.597	0.445	mg/Kg dry	4.494	ND	57.8	50-115		30	
N-Nitroso-di-n-propylamine	5.016	0.445	mg/Kg dry	4.494	ND	112	40-115		30	
Pentachlorophenol	2.010	1.75	mg/Kg dry	4.494	ND	44.7	25-120		30	
Phenanthrene	3577	445	ug/Kg dry	4494	154.9	76.1	50-110			
Phenanthrene	3.577	0.445	mg/Kg dry	4.494	0.1549	76.1	50-110		30	
Phenol	4.075	0.445	mg/Kg dry	4.494	ND	90.7	40-100		30	
Pyrene	5.435	0.445	mg/Kg dry	4.494	0.1536	118	45-125		30	
Pyrene	5435	445	ug/Kg dry	4494	153.6	118	45-125			
2,4,6-Trichlorophenol	3.615	0.445	mg/Kg dry	4.494	ND	80.4	45-110		30	
Surrogate: 2-Fluorobiphenyl	*3566*		*ug/Kg dry*	*4494*		*79.3*	*45-105*			
Surrogate: 2-Fluorobiphenyl	*3.566*		*mg/Kg dry*	*4.494*		*79.3*	*45-105*			
Surrogate: 2-Fluorophenol	*6.691*		*mg/Kg dry*	*8.988*		*74.4*	*35-105*			
Surrogate: Nitrobenzene-d5	*4.671*		*mg/Kg dry*	*4.494*		*104*	*35-100*			
Surrogate: Nitrobenzene-d5	*4671*		*ug/Kg dry*	*4494*		*104*	*35-100*			
Surrogate: Phenol-d6	*8.183*		*mg/Kg dry*	*8.988*		*91.0*	*40-100*			
Surrogate: Terphenyl-d14	*5.201*		*mg/Kg dry*	*4.494*		*116*	*30-125*			
Surrogate: Terphenyl-d14	*5201*		*ug/Kg dry*	*4494*		*116*	*30-125*			
Surrogate: 2,4,6-Tribromophenol	*4.956*		*mg/Kg dry*	*8.988*		*55.1*	*35-125*			

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19013										
Matrix Spike Dup (1A19013-MSD1)	**Source: 1101066-10**	Prepared: 01/20/2011 Analyzed: 01/26/2011								
Acenaphthene	3.240	0.442	mg/Kg dry	4.464	ND	72.6	45-110	2.27	30	
Acenaphthene	3240	442	ug/Kg dry	4464	ND	72.6	45-110	2.27	30	
Acenaphthylene	3.012	0.442	mg/Kg dry	4.464	ND	67.5	45-105	3.52	30	
Acenaphthylene	3012	442	ug/Kg dry	4464	ND	67.5	45-105	3.52	30	
Anthracene	3.526	0.442	mg/Kg dry	4.464	ND	79.0	55-105	0.475	30	
Anthracene	3526	442	ug/Kg dry	4464	ND	79.0	55-105	0.475	30	
Benzo(a)anthracene	3.835	0.442	mg/Kg dry	4.464	0.07672	84.2	50-110	1.63	30	
Benzo(a)anthracene	3835	442	ug/Kg dry	4464	76.72	84.2	50-110	1.63	30	
Benzo(a)pyrene	3.794	0.442	mg/Kg dry	4.464	ND	85.0	50-110	1.84	30	
Benzo(a)pyrene	3794	442	ug/Kg dry	4464	ND	85.0	50-110	1.84	30	
Benzo(b)fluoranthene	4.494	0.442	mg/Kg dry	4.464	0.1153	98.1	45-115	1.33	30	
Benzo(b)fluoranthene	4494	442	ug/Kg dry	4464	115.3	98.1	45-115	1.33	30	
Benzo(g,h,i)perylene	3.367	0.442	mg/Kg dry	4.464	0.2537	69.7	40-125	6.77	30	
Benzo(g,h,i)perylene	3367	442	ug/Kg dry	4464	253.7	69.7	40-125	6.77	30	
Benzoic acid	ND	1.74	mg/Kg dry	4.464	ND		0-110		30	
Benzo(k)fluoranthene	4.461	0.442	mg/Kg dry	4.464	ND	99.9	45-125	4.54	30	
Benzo(k)fluoranthene	4461	442	ug/Kg dry	4464	ND	99.9	45-125	4.54	30	
4-Bromophenyl-phenylether	3.660	0.442	mg/Kg dry	4.464	ND	82.0	45-115	4.37	30	
Butylbenzylphthalate	5.780	0.442	mg/Kg dry	4.464	ND	129	50-125	5.44	30	
4-Chloro-3-methylphenol	4.749	0.442	mg/Kg dry	4.464	ND	106	45-115	8.81	30	
4-Chloroaniline	2.526	0.442	mg/Kg dry	4.464	ND	56.6	10-95	5.15	30	
Bis(2-chloroethoxy)methane	4.511	0.442	mg/Kg dry	4.464	ND	101	45-110	3.57	30	
Bis(2-chloroethyl)ether	4.314	0.442	mg/Kg dry	4.464	ND	96.6	40-105	0.386	30	
2,2'-Oxybis-1-chloropropane	5.593	0.442	mg/Kg dry	4.464	ND	125	20-115	0.452	30	
2-Chloronaphthalene	3.326	0.442	mg/Kg dry	4.464	ND	74.5	45-105	3.95	30	
2-Chlorophenol	3.647	0.442	mg/Kg dry	4.464	ND	81.7	45-105	4.02	30	
4-Chlorophenyl phenyl ether	3.553	0.442	mg/Kg dry	4.464	ND	79.6	45-110	2.09	30	
Chrysene	3.229	0.442	mg/Kg dry	4.464	0.07577	70.6	55-110	1.33	30	
Chrysene	3229	442	ug/Kg dry	4464	75.77	70.6	55-110	1.33	30	
Dibenz(a,h)anthracene	3.478	0.442	mg/Kg dry	4.464	ND	77.9	40-125	5.97	30	
Dibenz(a,h)anthracene	3478	442	ug/Kg dry	4464	ND	77.9	40-125	5.97	30	
Dibenzofuran	3.357	0.442	mg/Kg dry	4.464	0.04633	74.2	50-105	1.33	30	
Di-n-butylphthalate	3.921	0.442	mg/Kg dry	4.464	ND	87.8	55-110	0.0736	30	
3,3'-Dichlorobenzidine	3.104	0.442	mg/Kg dry	4.464	ND	69.5	19-130	1.52	30	
2,4-Dichlorophenol	4.058	0.442	mg/Kg dry	4.464	ND	90.9	45-110	5.18	30	
Diethylphthalate	3.726	0.442	mg/Kg dry	4.464	ND	83.5	50-115	0.335	30	
2,4-Dimethylphenol	3.512	1.74	mg/Kg dry	4.464	ND	78.7	30-105	36.6	30	
Dimethyl phthalate	3.758	0.442	mg/Kg dry	4.464	ND	84.2	50-110	3.18	30	
4,6-Dinitro-2-methylphenol	ND	4.42	mg/Kg dry	4.464	ND	13.8	30-135	7.74	30	
2,4-Dinitrophenol	ND	4.42	mg/Kg dry	4.464	ND		15-130		30	
2,4-Dinitrotoluene	3.490	0.442	mg/Kg dry	4.464	ND	78.2	50-115	1.46	30	
2,6-Dinitrotoluene	3.448	0.442	mg/Kg dry	4.464	ND	77.2	50-110	5.09	30	
Di-n-octylphthalate	8.367	0.442	mg/Kg dry	4.464	ND	187	40-130	18.8	30	
Bis(2-ethylhexyl)phthalate	5.350	0.442	mg/Kg dry	4.464	ND	120	45-125	5.69	30	
Fluoranthene	3.684	0.442	mg/Kg dry	4.464	0.1243	79.7	55-115	0.855	30	
Fluoranthene	3684	442	ug/Kg dry	4464	124.3	79.7	55-115	0.855	30	

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19013										
Matrix Spike Dup (1A19013-MSD1)	**Source: 1101066-10**		Prepared: 01/20/2011 Analyzed: 01/26/2011							
Fluorene	3.275	0.442	mg/Kg dry	4.464	ND	73.4	50-110	1.90	30	
Fluorene	3275	442	ug/Kg dry	4464	ND	73.4	50-110	1.90	30	
Hexachlorobenzene	3.357	0.442	mg/Kg dry	4.464	ND	75.2	45-120	0.615	30	
Hexachlorobutadiene	4.163	0.442	mg/Kg dry	4.464	ND	93.3	30-110	1.14	30	
Hexachlorocyclopentadiene	1.230	0.442	mg/Kg dry	4.464	ND	27.6	10-110	25.0	30	
Hexachloroethane	3.612	0.442	mg/Kg dry	4.464	ND	80.9	35-110	2.64	30	
Indeno(1,2,3-cd)pyrene	3.457	0.442	mg/Kg dry	4.464	0.1555	73.9	40-120	4.60	30	
Indeno(1,2,3-cd)pyrene	3457	442	ug/Kg dry	4464	155.5	73.9	40-120	4.60	30	
Isophorone	4.403	0.442	mg/Kg dry	4.464	ND	98.6	45-110	2.18	30	
1-Methylnaphthalene	3512	442	ug/Kg dry	4464	174.2	74.8	30-110	0.660	30	
2-Methylnaphthalene	3.783	0.442	mg/Kg dry	4.464	0.2108	80.0	40-110	0.583	30	
2-Methylnaphthalene	3783	442	ug/Kg dry	4464	210.8	80.0	40-110	0.583	30	
2-Methylphenol	4.040	0.442	mg/Kg dry	4.464	ND	90.5	40-105	17.2	30	
4-Methylphenol	3.892	0.442	mg/Kg dry	4.464	ND	87.2	40-105	16.4	30	
Naphthalene	3375	442	ug/Kg dry	4464	139.3	72.5	40-105	0.974	30	
Naphthalene	3.375	0.442	mg/Kg dry	4.464	0.1393	72.5	40-105	0.974	30	
Nitrobenzene	4.502	0.442	mg/Kg dry	4.464	ND	101	40-115	2.14	30	
4-Nitrophenol	3.254	1.74	mg/Kg dry	4.464	ND	72.9	15-140	1.16	30	
2-Nitrophenol	2.951	0.442	mg/Kg dry	4.464	ND	66.1	40-110	3.68	30	
N-Nitrosodiphenylamine	2.610	0.442	mg/Kg dry	4.464	ND	58.5	50-115	0.498	30	
N-Nitroso-di-n-propylamine	5.009	0.442	mg/Kg dry	4.464	ND	112	40-115	0.151	30	
Pentachlorophenol	2.229	1.74	mg/Kg dry	4.464	ND	49.9	25-120	10.3	30	
Phenanthrene	3537	442	ug/Kg dry	4464	154.9	75.8	50-110	1.11	30	
Phenanthrene	3.537	0.442	mg/Kg dry	4.464	0.1549	75.8	50-110	1.11	30	
Phenol	4.182	0.442	mg/Kg dry	4.464	ND	93.7	40-100	2.59	30	
Pyrene	5762	442	ug/Kg dry	4464	153.6	126	45-125	5.83	30	
Pyrene	5.762	0.442	mg/Kg dry	4.464	0.1536	126	45-125	5.83	30	
2,4,6-Trichlorophenol	3.955	0.442	mg/Kg dry	4.464	ND	88.6	45-110	8.99	30	
Surrogate: 2-Fluorobiphenyl	*3.398*		*mg/Kg dry*	*4.464*		*76.1*	*45-105*			
Surrogate: 2-Fluorobiphenyl	*3398*		*ug/Kg dry*	*4464*		*76.1*	*45-105*			
Surrogate: 2-Fluorophenol	*7.169*		*mg/Kg dry*	*8.929*		*80.3*	*35-105*			
Surrogate: Nitrobenzene-d5	*4609*		*ug/Kg dry*	*4464*		*103*	*35-100*			
Surrogate: Nitrobenzene-d5	*4.609*		*mg/Kg dry*	*4.464*		*103*	*35-100*			
Surrogate: Phenol-d6	*8.332*		*mg/Kg dry*	*8.929*		*93.3*	*40-100*			
Surrogate: Terphenyl-d14	*5629*		*ug/Kg dry*	*4464*		*126*	*30-125*			
Surrogate: Terphenyl-d14	*5.629*		*mg/Kg dry*	*4.464*		*126*	*30-125*			
Surrogate: 2,4,6-Tribromophenol	*5.518*		*mg/Kg dry*	*8.929*		*61.8*	*35-125*			

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19014										
Blank (1A19014-BLK2)				Prepared: 01/20/2011 Analyzed: 01/28/2011						
Acenaphthene	ND	0.330	mg/Kg wet							
Acenaphthylene	ND	0.330	mg/Kg wet							
Anthracene	ND	0.330	mg/Kg wet							
Benzo(a)anthracene	ND	0.330	mg/Kg wet							
Benzo(a)pyrene	ND	0.330	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.330	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.330	mg/Kg wet							
Benzoic acid	ND	1.30	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.330	mg/Kg wet							
4-Bromophenyl-phenylether	ND	0.330	mg/Kg wet							
Butylbenzylphthalate	ND	0.330	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.330	mg/Kg wet							
4-Chloroaniline	ND	0.330	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.330	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.330	mg/Kg wet							
2,2'-Oxybis-1-chloropropane	ND	0.330	mg/Kg wet							
2-Chloronaphthalene	ND	0.330	mg/Kg wet							
2-Chlorophenol	ND	0.330	mg/Kg wet							
4-Chlorophenyl phenyl ether	ND	0.330	mg/Kg wet							
Chrysene	ND	0.330	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.330	mg/Kg wet							
Dibenzofuran	ND	0.330	mg/Kg wet							
Di-n-butylphthalate	ND	0.330	mg/Kg wet							
3,3'-Dichlorobenzidine	ND	0.330	mg/Kg wet							
2,4-Dichlorophenol	ND	0.330	mg/Kg wet							
Diethylphthalate	ND	0.330	mg/Kg wet							
2,4-Dimethylphenol	ND	1.30	mg/Kg wet							
Dimethyl phthalate	ND	0.330	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	3.30	mg/Kg wet							
2,4-Dinitrophenol	ND	3.30	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.330	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.330	mg/Kg wet							
Di-n-octylphthalate	ND	0.330	mg/Kg wet							
Bis(2-ethylhexyl)phthalate	ND	0.330	mg/Kg wet							
Fluoranthene	ND	0.330	mg/Kg wet							
Fluorene	ND	0.330	mg/Kg wet							
Hexachlorobenzene	ND	0.330	mg/Kg wet							
Hexachlorobutadiene	ND	0.330	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.330	mg/Kg wet							
Hexachloroethane	ND	0.330	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.330	mg/Kg wet							
Isophorone	ND	0.330	mg/Kg wet							
2-Methylnaphthalene	ND	0.330	mg/Kg wet							
2-Methylphenol	ND	0.330	mg/Kg wet							
4-Methylphenol	ND	0.330	mg/Kg wet							
Naphthalene	ND	0.330	mg/Kg wet							

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19014										
Blank (1A19014-BLK2)				Prepared: 01/20/2011 Analyzed: 01/28/2011						
Nitrobenzene	ND	0.330	mg/Kg wet							
4-Nitrophenol	ND	1.30	mg/Kg wet							
2-Nitrophenol	ND	0.330	mg/Kg wet							
N-Nitrosodiphenylamine	ND	0.330	mg/Kg wet							
N-Nitroso-di-n-propylamine	ND	0.330	mg/Kg wet							
Pentachlorophenol	ND	1.30	mg/Kg wet							
Phenanthrene	ND	0.330	mg/Kg wet							
Phenol	ND	0.330	mg/Kg wet							
Pyrene	ND	0.330	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.330	mg/Kg wet							
Surrogate: 2-Fluorobiphenyl	*2.634*		*mg/Kg wet*	*3.333*		*79.0*	*45-105*			
Surrogate: 2-Fluorophenol	*4.943*		*mg/Kg wet*	*6.667*		*74.1*	*35-105*			
Surrogate: Nitrobenzene-d5	*2.660*		*mg/Kg wet*	*3.333*		*79.8*	*35-100*			
Surrogate: Phenol-d6	*5.306*		*mg/Kg wet*	*6.667*		*79.6*	*40-100*			
Surrogate: Terphenyl-d14	*2.761*		*mg/Kg wet*	*3.333*		*82.8*	*30-125*			
Surrogate: 2,4,6-Tribromophenol	*6.056*		*mg/Kg wet*	*6.667*		*90.8*	*35-125*			
LCS (1A19014-BS1)				Prepared: 01/20/2011 Analyzed: 01/28/2011						
Acenaphthene	2.625	0.330	mg/Kg wet	3.333		78.8	45-110		30	
Acenaphthylene	2.381	0.330	mg/Kg wet	3.333		71.4	45-105		30	
Anthracene	2.599	0.330	mg/Kg wet	3.333		78.0	55-105		30	
Benzo(a)anthracene	2.612	0.330	mg/Kg wet	3.333		78.4	50-110		30	
Benzo(a)pyrene	2.476	0.330	mg/Kg wet	3.333		74.3	50-110		30	
Benzo(b)fluoranthene	2.860	0.330	mg/Kg wet	3.333		85.8	45-115		30	
Benzo(g,h,i)perylene	2.431	0.330	mg/Kg wet	3.333		72.9	40-125		30	
Benzoic acid	2.307	1.30	mg/Kg wet	3.333		69.2	0-110		30	
Benzo(k)fluoranthene	2.560	0.330	mg/Kg wet	3.333		76.8	45-125		30	
4-Bromophenyl-phenylether	3.075	0.330	mg/Kg wet	3.333		92.2	45-115		30	
Butylbenzylphthalate	2.828	0.330	mg/Kg wet	3.333		84.8	50-125		30	
4-Chloro-3-methylphenol	2.769	0.330	mg/Kg wet	3.333		83.1	45-115		30	
4-Chloroaniline	1.841	0.330	mg/Kg wet	3.333		55.2	10-95		30	
Bis(2-chloroethoxy)methane	2.472	0.330	mg/Kg wet	3.333		74.2	45-110		30	
Bis(2-chloroethyl)ether	2.596	0.330	mg/Kg wet	3.333		77.9	40-105		30	
2,2'-Oxybis-1-chloropropane	2.576	0.330	mg/Kg wet	3.333		77.3	20-115		30	
2-Chloronaphthalene	2.407	0.330	mg/Kg wet	3.333		72.2	45-105		30	
2-Chlorophenol	2.790	0.330	mg/Kg wet	3.333		83.7	45-105		30	
4-Chlorophenyl phenyl ether	2.610	0.330	mg/Kg wet	3.333		78.3	45-110		30	
Chrysene	2.480	0.330	mg/Kg wet	3.333		74.4	55-110		30	
Dibenz(a,h)anthracene	2.593	0.330	mg/Kg wet	3.333		77.8	40-125		30	
Dibenzofuran	2.656	0.330	mg/Kg wet	3.333		79.7	50-105		30	
Di-n-butylphthalate	2.886	0.330	mg/Kg wet	3.333		86.6	55-110		30	
3,3'-Dichlorobenzidine	2.313	0.330	mg/Kg wet	3.333		69.4	19-130		30	
2,4-Dichlorophenol	2.658	0.330	mg/Kg wet	3.333		79.8	45-110		30	
Diethylphthalate	2.500	0.330	mg/Kg wet	3.333		75.0	50-115		30	
2,4-Dimethylphenol	2.655	1.30	mg/Kg wet	3.333		79.6	30-105		30	
Dimethyl phthalate	2.656	0.330	mg/Kg wet	3.333		79.7	50-110		30	

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19014										
LCS (1A19014-BS1)				Prepared: 01/20/2011 Analyzed: 01/28/2011						
4,6-Dinitro-2-methylphenol	3.467	3.30	mg/Kg wet	3.333		104	30-135		30	
2,4-Dinitrophenol	3.376	3.30	mg/Kg wet	3.333		101	15-130		30	
2,4-Dinitrotoluene	2.967	0.330	mg/Kg wet	3.333		89.0	50-115		30	
2,6-Dinitrotoluene	2.684	0.330	mg/Kg wet	3.333		80.5	50-110		30	
Di-n-octylphthalate	2.865	0.330	mg/Kg wet	3.333		85.9	40-130		30	
Bis(2-ethylhexyl)phthalate	2.740	0.330	mg/Kg wet	3.333		82.2	45-125		30	
Fluoranthene	2.618	0.330	mg/Kg wet	3.333		78.5	55-115		30	
Fluorene	2.346	0.330	mg/Kg wet	3.333		70.4	50-110		30	
Hexachlorobenzene	2.839	0.330	mg/Kg wet	3.333		85.2	45-120		30	
Hexachlorobutadiene	2.627	0.330	mg/Kg wet	3.333		78.8	30-110		30	
Hexachlorocyclopentadiene	1.978	0.330	mg/Kg wet	3.333		59.3	10-110		30	
Hexachloroethane	2.327	0.330	mg/Kg wet	3.333		69.8	35-110		30	
Indeno(1,2,3-cd)pyrene	2.526	0.330	mg/Kg wet	3.333		75.8	40-120		30	
Isophorone	2.202	0.330	mg/Kg wet	3.333		66.1	45-110		30	
2-Methylnaphthalene	2.684	0.330	mg/Kg wet	3.333		80.5	40-110		30	
2-Methylphenol	2.896	0.330	mg/Kg wet	3.333		86.9	40-105		30	
4-Methylphenol	2.336	0.330	mg/Kg wet	3.333		70.1	40-105		30	
Naphthalene	2.549	0.330	mg/Kg wet	3.333		76.5	40-105		30	
Nitrobenzene	2.421	0.330	mg/Kg wet	3.333		72.6	40-115		30	
4-Nitrophenol	2.619	1.30	mg/Kg wet	3.333		78.6	15-140		30	
2-Nitrophenol	2.720	0.330	mg/Kg wet	3.333		81.6	40-110		30	
N-Nitrosodiphenylamine	2.054	0.330	mg/Kg wet	3.333		61.6	50-115		30	
N-Nitroso-di-n-propylamine	2.357	0.330	mg/Kg wet	3.333		70.7	40-115		30	
Pentachlorophenol	3.620	1.30	mg/Kg wet	3.333		109	25-120		30	
Phenanthrene	2.691	0.330	mg/Kg wet	3.333		80.7	50-110		30	
Phenol	2.828	0.330	mg/Kg wet	3.333		84.8	40-100		30	
Pyrene	2.679	0.330	mg/Kg wet	3.333		80.4	45-125		30	
2,4,6-Trichlorophenol	2.537	0.330	mg/Kg wet	3.333		76.1	45-110		30	
Surrogate: 2-Fluorobiphenyl	*2.571*		*mg/Kg wet*	*3.333*		*77.1*	*45-105*			
Surrogate: 2-Fluorophenol	*5.179*		*mg/Kg wet*	*6.667*		*77.7*	*35-105*			
Surrogate: Nitrobenzene-d5	*2.431*		*mg/Kg wet*	*3.333*		*72.9*	*35-100*			
Surrogate: Phenol-d6	*5.252*		*mg/Kg wet*	*6.667*		*78.8*	*40-100*			
Surrogate: Terphenyl-d14	*2.801*		*mg/Kg wet*	*3.333*		*84.0*	*30-125*			
Surrogate: 2,4,6-Tribromophenol	*5.866*		*mg/Kg wet*	*6.667*		*88.0*	*35-125*			

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19014										
LCS Dup (1A19014-BSD1)				Prepared: 01/20/2011 Analyzed: 01/28/2011						
Acenaphthene	2.587	0.330	mg/Kg wet	3.333		77.6	45-110	1.46	30	
Acenaphthylene	2.637	0.330	mg/Kg wet	3.333		79.1	45-105	10.2	30	
Anthracene	2.685	0.330	mg/Kg wet	3.333		80.5	55-105	3.25	30	
Benzo(a)anthracene	2.726	0.330	mg/Kg wet	3.333		81.8	50-110	4.25	30	
Benzo(a)pyrene	2.500	0.330	mg/Kg wet	3.333		75.0	50-110	0.988	30	
Benzo(b)fluoranthene	2.898	0.330	mg/Kg wet	3.333		86.9	45-115	1.33	30	
Benzo(g,h,i)perylene	2.510	0.330	mg/Kg wet	3.333		75.3	40-125	3.19	30	
Benzoic acid	2.624	1.30	mg/Kg wet	3.333		78.7	0-110	12.8	30	
Benzo(k)fluoranthene	2.825	0.330	mg/Kg wet	3.333		84.7	45-125	9.83	30	
4-Bromophenyl-phenylether	3.231	0.330	mg/Kg wet	3.333		96.9	45-115	4.95	30	
Butylbenzylphthalate	2.638	0.330	mg/Kg wet	3.333		79.1	50-125	6.94	30	
4-Chloro-3-methylphenol	3.180	0.330	mg/Kg wet	3.333		95.4	45-115	13.8	30	
4-Chloroaniline	1.870	0.330	mg/Kg wet	3.333		56.1	10-95	1.59	30	
Bis(2-chloroethoxy)methane	3.056	0.330	mg/Kg wet	3.333		91.7	45-110	21.1	30	
Bis(2-chloroethyl)ether	2.638	0.330	mg/Kg wet	3.333		79.2	40-105	1.60	30	
2,2'-Oxybis-1-chloropropane	2.593	0.330	mg/Kg wet	3.333		77.8	20-115	0.641	30	
2-Chloronaphthalene	2.787	0.330	mg/Kg wet	3.333		83.6	45-105	14.6	30	
2-Chlorophenol	2.735	0.330	mg/Kg wet	3.333		82.1	45-105	1.97	30	
4-Chlorophenyl phenyl ether	2.926	0.330	mg/Kg wet	3.333		87.8	45-110	11.4	30	
Chrysene	2.539	0.330	mg/Kg wet	3.333		76.2	55-110	2.37	30	
Dibenz(a,h)anthracene	2.600	0.330	mg/Kg wet	3.333		78.0	40-125	0.253	30	
Dibenzofuran	2.801	0.330	mg/Kg wet	3.333		84.0	50-105	5.34	30	
Di-n-butylphthalate	2.807	0.330	mg/Kg wet	3.333		84.2	55-110	2.79	30	
3,3'-Dichlorobenzidine	2.305	0.330	mg/Kg wet	3.333		69.1	19-130	0.352	30	
2,4-Dichlorophenol	3.165	0.330	mg/Kg wet	3.333		94.9	45-110	17.4	30	
Diethylphthalate	3.079	0.330	mg/Kg wet	3.333		92.4	50-115	20.8	30	
2,4-Dimethylphenol	3.056	1.30	mg/Kg wet	3.333		91.7	30-105	14.1	30	
Dimethyl phthalate	3.112	0.330	mg/Kg wet	3.333		93.3	50-110	15.8	30	
4,6-Dinitro-2-methylphenol	3.855	3.30	mg/Kg wet	3.333		116	30-135	10.6	30	
2,4-Dinitrophenol	3.885	3.30	mg/Kg wet	3.333		117	15-130	14.0	30	
2,4-Dinitrotoluene	3.013	0.330	mg/Kg wet	3.333		90.4	50-115	1.54	30	
2,6-Dinitrotoluene	2.946	0.330	mg/Kg wet	3.333		88.4	50-110	9.28	30	
Di-n-octylphthalate	3.235	0.330	mg/Kg wet	3.333		97.0	40-130	12.1	30	
Bis(2-ethylhexyl)phthalate	2.579	0.330	mg/Kg wet	3.333		77.4	45-125	6.06	30	
Fluoranthene	2.624	0.330	mg/Kg wet	3.333		78.7	55-115	0.253	30	
Fluorene	2.677	0.330	mg/Kg wet	3.333		80.3	50-110	13.2	30	
Hexachlorobenzene	2.887	0.330	mg/Kg wet	3.333		86.6	45-120	1.69	30	
Hexachlorobutadiene	2.967	0.330	mg/Kg wet	3.333		89.0	30-110	12.2	30	
Hexachlorocyclopentadiene	2.170	0.330	mg/Kg wet	3.333		65.1	10-110	9.26	30	
Hexachloroethane	2.515	0.330	mg/Kg wet	3.333		75.4	35-110	7.75	30	
Indeno(1,2,3-cd)pyrene	2.548	0.330	mg/Kg wet	3.333		76.4	40-120	0.863	30	
Isophorone	2.600	0.330	mg/Kg wet	3.333		78.0	45-110	16.6	30	
2-Methylnaphthalene	2.764	0.330	mg/Kg wet	3.333		82.9	40-110	2.94	30	
2-Methylphenol	2.901	0.330	mg/Kg wet	3.333		87.0	40-105	0.157	30	
4-Methylphenol	2.369	0.330	mg/Kg wet	3.333		71.1	40-105	1.39	30	
Naphthalene	2.621	0.330	mg/Kg wet	3.333		78.6	40-105	2.79	30	

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19014										
LCS Dup (1A19014-BSD1)				Prepared: 01/20/2011 Analyzed: 01/28/2011						
Nitrobenzene	2.706	0.330	mg/Kg wet	3.333		81.2	40-115	11.1	30	
4-Nitrophenol	3.081	1.30	mg/Kg wet	3.333		92.4	15-140	16.2	30	
2-Nitrophenol	3.257	0.330	mg/Kg wet	3.333		97.7	40-110	18.0	30	
N-Nitrosodiphenylamine	2.399	0.330	mg/Kg wet	3.333		72.0	50-115	15.5	30	
N-Nitroso-di-n-propylamine	2.394	0.330	mg/Kg wet	3.333		71.8	40-115	1.56	30	
Pentachlorophenol	3.649	1.30	mg/Kg wet	3.333		109	25-120	0.796	30	
Phenanthrene	2.655	0.330	mg/Kg wet	3.333		79.7	50-110	1.32	30	
Phenol	2.841	0.330	mg/Kg wet	3.333		85.2	40-100	0.447	30	
Pyrene	2.686	0.330	mg/Kg wet	3.333		80.6	45-125	0.282	30	
2,4,6-Trichlorophenol	2.948	0.330	mg/Kg wet	3.333		88.4	45-110	15.0	30	
Surrogate: 2-Fluorobiphenyl	*2.850*		*mg/Kg wet*	*3.333*		*85.5*	*45-105*			
Surrogate: 2-Fluorophenol	*5.429*		*mg/Kg wet*	*6.667*		*81.4*	*35-105*			
Surrogate: Nitrobenzene-d5	*2.895*		*mg/Kg wet*	*3.333*		*86.9*	*35-100*			
Surrogate: Phenol-d6	*5.586*		*mg/Kg wet*	*6.667*		*83.8*	*40-100*			
Surrogate: Terphenyl-d14	*2.726*		*mg/Kg wet*	*3.333*		*81.8*	*30-125*			
Surrogate: 2,4,6-Tribromophenol	*6.100*		*mg/Kg wet*	*6.667*		*91.5*	*35-125*			

Notes and Definitions

Y	Indicates a potential negative bias on a reported concentration due to an ICV or CCV exceeding the lower control limit on the low side.
X	Indicates a potential positive bias on a reported concentration due to an ICV or CCV exceeding the upper control limit on the high side.
U	Analyte included in the analysis, but not detected
S	Internal Standard area counts were outside criteria.
Q	The RPD and/or percent recovery exceeded limits in the associated Blank Spike and/or Blank Spike Duplicate.
N	A precision or bias exceedence in the associated batch Matrix Spike
M	Indicates that the sample matrix interfered with the quantitation of the analyte. In dual column analysis the result is reported from the column with the lower concentration. In inorganics, it indicates that the parameters MDL/RL has been raised.
J	Detected but below the Reporting Limit/Limit of Quantitation; therefore, result is an estimated concentration (CLP J-Flag).
D	Data reported from a dilution
B	Analyte is found in the associated blank as well as in the sample.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

EMPIRICAL LABORATORIES, LLC - CHAIN OF CUSTODY RECORD

SHIP TO: 621 Mainstream Drive, Suite 270 ♦ Nashville, TN 37228 ♦ 615-345-1115 ♦ (fax) 615-846-5426

12394

Send Results to:
Name Joselyn Harriger
Company Hart & Hickman
Address 2923 S. Tryon St.
City Charlotte
State, Zip NC, 28203
Phone 704-586-0007
Fax 704-586-0373
E-mail jharriger@harthickman.com

Send Invoice to:
Name Cynthia Wells
Company Same as
Address Report to
City
State, Zip
Phone
Fax
E-mail cwells@harthickman.com

Project No./Name: Rome oil mill ROM-001

Sampler's (Signature): C Walters

Analysis Requirements:

Lab Use Only Lab #	Date/Time Sampled	Sample Description	Sample Matrix	VOCs + Hexane 8260	RCRA metals 6010C	SVOCs 8270	OCPs 8081	PAHs	Comments	No. of Bottles	Lab Use Only Containers/Pres.
					None	None	None	None			
1101066-01	1-10-11 1055	SB-1 (3-4')	S	✓	✓	✓	✓			5	2 2oz + 3JO
-02	1100	SB-1 (6-8')		✓	✓	✓				4	1 2oz + 3JO
-03	1000	DUP-1		✓	✓	✓				4	
-04	1135	SB-2 (0-2')		✓	✓	✓				4	
-05	1445	SB-3 (2-4)		✓	✓	✓				4	
-06	1450	SB-3 (4-6)		✓	✓			✓		5	2 2oz + 3JO
-07	1030	DUP-2						✓		1	1 2oz CPH-19-A
-08	1610	SB-5 (0-2)		✓	✓	✓				4	1 2oz + 3JHOO
-09	1625	SB-5 (2-4)		✓	✓			✓		5	2 2oz + 3JHOO
-10	1-11-11 1030	SB-9 (0-2)		✓	✓	✓	✓		MS/MSD portions provided	12	3 2oz + 9JHOO
-11	1000	DUP-3		✓	✓	✓	✓			5	2 2oz + 3JO
-12	1330	SB-6 (0-2)		✓	✓	✓	✓			5	2 2oz + 3JO

Lab Use Only:

VOA Headspace	Y	N	NA
Field Filtered	Y	(N)	NA
Correct Containers	(Y)	N	NA
Discrepancies	Y	(N)	NA
Cust. Seals Intact	(Y)	N	NA
Containers Intact	(Y)	N	NA

Airbill #: DASH

CAR #:

Sample Kit Prep'd by: (Signature)	Date/Time	Received By: (Signature)
Relinquished by: (Signature) C Walters	Date/Time 1-17-11 0800	Received By: (Signature) [signature] 1/17 1030
Relinquished by: (Signature) [signature]	Date/Time 1/17 1520	Received By: (Signature)
Received for Laboratory by: (Signature) [signature]	Date/Time 1-19-11 08:65	Temperature 1.3°C

REMARKS:
OPPs mailed directly to Pace Labs in Ormond Beach, FL

Details:
Page 1 of 2
Cooler No. 1 of 1
Date Shipped
Shipped By
Turnaround

Distribution: Original and yellow copies accompany sample shipment to laboratory; Pink retained by samplers.

12615

EMPIRICAL LABORATORIES, LLC - CHAIN OF CUSTODY RECORD

SHIP TO: 621 Mainstream Drive, Suite 270 ♦ Nashville, TN 37228 ♦ 615-345-1115 ♦ (fax) 615-846-5426

Send Results to:	Send Invoice to:
Name Joselyn Harriger	Name Cynthia Wells
Company Hart & Hartman	Company
Address 2923 S. Tryon St	Address Same As Report to
City Charlotte	City
State, Zip NC 28203	State, Zip
Phone 704-586-0007	Phone
Fax 704-586-0373	Fax
E-mail jharriger@harthartman.com	E-mail cwells@harthartman.com
Project No./Name: Ron-001 Rome Oil Mill	Sampler's (Signature): C Walters

Analysis Requirements: VOCs + Hexane 8260B; SVOCs 8270; RCRA metals (incl Hg); PAHs; BTEX; Lead ONLY; OCPs 8081; Herbicides

Lab Use Only:

VOA Headspace	Y	N	NA
Field Filtered	Y	N	NA
Correct Containers	Y	N	NA
Discrepancies	Y	N	NA
Cust. Seals Intact	Y	N	NA
Containers Intact	Y	N	NA

Airbill #: DASH

CAR #:

Lab Use Only Lab #	Date/Time Sampled	Sample Description	Sample Matrix	VOCs + Hexane 8260B	SVOCs 8270	RCRA metals (incl Hg)	PAHs	BTEX	Lead ONLY	OCPs 8081	Herbicides						Comments	No. of Bottles	Lab Use Only Containers/Pres.
					None	✓	✓		None	✓									
1101066 -13	1-11-11 1340	SB-6 (2-4')	S	✓		✓	✓											5	2 2oz + 3 5O
-14	1420	SB-4 (0-2')		✓	✓	✓												4	1 40 2oz + 3 5O (CP 1-19-11)
-15	1540	SB-15 (0-2')		✓	✓	✓												4	1 2oz + 3 5O
-16	1545	SB-15 (2-4')					✓	✓	✓									5	2 2oz + 3 5O
-17	1-12-11 0945	SB-7 (0-2')		✓	✓	✓												4	1 2oz + 3 5O
-18	1030	SB-8 (0-2')		✓	✓	✓				✓								5	2 2oz + 3 5O
-19	1050	SB-7 (8-10')		✓		✓	✓											5	2 2oz + 3 5O
-20	1410	SB-11 (0-2')		✓	✓	✓												4	1 2oz + 3 5O
~~-21~~	~~1440~~	~~SB-10 (0-3")~~									✓	CMW					Do Not Analyze	1	
-21	1540	SB-11 (2-4')		✓	✓	✓												4	1 2oz + 3 5O
-22	1545	SB-12 (4-6')		✓	✓	✓												4	
-23	1555	SB-13 (0-2')		✓	✓	✓												4	

	Date/Time	Received By: (Signature)
Sample Kit Prep'd by: (Signature)		
Relinquished by: (Signature)	1/17	Received By: (Signature)
Relinquished by: (Signature) C Walters 1-17-11	0800	Received By: (Signature)
Received for Laboratory by: (Signature)	1-19-11 0855	Temperature 1.3 C

REMARKS:

OPPs sent directly to Pace Labs in Ormond Beach, Florida for 8141 method

1/17 1030

Details:

Page 2 of 2

Cooler No. 1 of 1

Date Shipped

Shipped By

Turnaround

Distribution: Original and yellow copies accompany sample shipment to laboratory; Pink retained by samplers.

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1101066 Number of Coolers: 1 of 1

Client: Hart & Hickman Project: Rome Oil Mill

Date/Time Received: 1.19.11 / 8:05 Date cooler(s) opened: 1.19.11

Opened By (print): Kitty Khammouvichk (signature): [signature]

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered EL Courier Other: Dash

If applicable, enter airbill number here: _____

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 1.17.11 Seal Initials: ?

3. Were custody seals unbroken and intact at the date and time of arrival? ..... Yes No N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... Yes No N/A
5. Were custody papers filled out properly (ink, signed, etc.)? ..... Yes No N/A
6. Did you sign custody papers in the appropriate place for acceptance? ..... Yes No N/A
7. Was project identifiable from custody papers? ..... Yes No N/A
8. If required, was enough ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 1.6 °C Correction Factor: -0.3 °C Final Value: 1.3 °C

Dates samples were logged-in: 1-19-11

9. Initial this form to acknowledge login of sample(s): (Name): Chris Pad (Initial): CP
10. Were all bottle lids intact and sealed tightly? ..... Yes No N/A
11. Did all bottles arrive unbroken? ..... Yes No N/A
12. Was all required bottle label information complete? ..... Yes No N/A
13. Did all bottle labels agree with custody papers? ..... Yes No N/A
14. Were correct containers used for the analyses indicated? ..... Yes No N/A
15. Were preservative levels correct in all applicable sample containers? ..... Yes No N/A
16. Was residual chlorine present in any applicable sample containers? ..... Yes No N/A
17. Was sufficient amount of sample sent for the analyses required? ..... Yes No N/A
18. Was headspace present in any included VOA vials? ..... Yes No N/A

If Non-Conformance issues were present, list by sample ID: _____

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

January 26, 2011

Mr. Brian Richard
Empirical Laboratories, LLC
621 Mainstream Drive
Suite 270
Nashville, TN 37228

RE: Project: ROME OIL MILL ROM-001
Pace Project No.: 9285857

Dear Mr. Richard:
Enclosed are the analytical results for sample(s) received by the laboratory on January 18, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Ms. Nicole Schmider, Empirical Laboratories

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(704)875-9092

CERTIFICATIONS

Project: ROME OIL MILL ROM-001
Pace Project No.: 9285857

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH 0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: LA090012
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL1264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
Virginia Certification #: 00432
Wyoming Certification: FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: ROME OIL MILL ROM-001
Pace Project No.: 9285857

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9285857001	**SB-1 (3-4')**	Solid	01/10/11 10:55	01/18/11 11:15
9285857002	**SB-9 (0-2')**	Solid	01/11/11 10:30	01/18/11 11:15
9285857003	**DUP-3**	Solid	01/11/11 10:00	01/18/11 11:15
9285857004	**SB-6 (0-2)**	Solid	01/11/11 13:30	01/18/11 11:15
9285857005	**SB-8 (0-2)**	Solid	01/12/11 10:30	01/18/11 11:15

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SAMPLE ANALYTE COUNT

Project: ROME OIL MILL ROM-001
Pace Project No.: 9285857

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9285857001	**SB-1 (3-4')**	EPA 8141	AE1	19	PASI-O
9285857002	**SB-9 (0-2')**	EPA 8141	AE1	19	PASI-O
9285857003	**DUP-3**	EPA 8141	AE1	19	PASI-O
9285857004	**SB-6 (0-2)**	EPA 8141	AE1	19	PASI-O
9285857005	**SB-8 (0-2)**	EPA 8141	AE1	19	PASI-O

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ANALYTICAL RESULTS

Project: ROME OIL MILL ROM-001
Pace Project No.: 9285857

Sample: SB-1 (3-4') **Lab ID: 9285857001** Collected: 01/10/11 10:55 Received: 01/18/11 11:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141							
Atrazine	ND	ug/kg	49.7	1	01/23/11 15:31	01/25/11 00:28	1912-24-9	
Azinphos, methyl (Guthion)	ND	ug/kg	16.6	1	01/23/11 15:31	01/25/11 00:28	86-50-0	
Carbophenothion (Trithion)	ND	ug/kg	16.6	1	01/23/11 15:31	01/25/11 00:28	786-19-6	
Chlorpyrifos	ND	ug/kg	16.6	1	01/23/11 15:31	01/25/11 00:28	2921-88-2	
Coumaphos	ND	ug/kg	16.6	1	01/23/11 15:31	01/25/11 00:28	56-72-4	
Diazinon	ND	ug/kg	16.6	1	01/23/11 15:31	01/25/11 00:28	333-41-5	
Dichlorvos	ND	ug/kg	16.6	1	01/23/11 15:31	01/25/11 00:28	62-73-7	
Dimethoate	ND	ug/kg	16.6	1	01/23/11 15:31	01/25/11 00:28	60-51-5	
Disulfoton	ND	ug/kg	16.6	1	01/23/11 15:31	01/25/11 00:28	298-04-4	
Ethion	ND	ug/kg	16.6	1	01/23/11 15:31	01/25/11 00:28	563-12-2	
Famphur	ND	ug/kg	16.6	1	01/23/11 15:31	01/25/11 00:28	52-85-7	
Malathion	ND	ug/kg	16.6	1	01/23/11 15:31	01/25/11 00:28	121-75-5	
Methyl parathion	ND	ug/kg	16.6	1	01/23/11 15:31	01/25/11 00:28	298-00-0	
Mevinphos	ND	ug/kg	16.6	1	01/23/11 15:31	01/25/11 00:28	7786-34-7	
Monocrotophos	ND	ug/kg	33.1	1	01/23/11 15:31	01/25/11 00:28	919-44-8	
Parathion (Ethyl parathion)	ND	ug/kg	33.1	1	01/23/11 15:31	01/25/11 00:28	56-38-2	
Phorate	ND	ug/kg	33.1	1	01/23/11 15:31	01/25/11 00:28	298-02-2	
Phosmet	ND	ug/kg	16.6	1	01/23/11 15:31	01/25/11 00:28	732-11-6	
4-Chloro3nitrobenzotrifluoride	87	%	28.9-136.7	1	01/23/11 15:31	01/25/11 00:28		

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ANALYTICAL RESULTS

Project: ROME OIL MILL ROM-001
Pace Project No.: 9285857

Sample: SB-9 (0-2') **Lab ID: 9285857002** Collected: 01/11/11 10:30 Received: 01/18/11 11:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141							
Atrazine	ND	ug/kg	50.2	1	01/23/11 15:31	01/25/11 01:10	1912-24-9	M1
Azinphos, methyl (Guthion)	ND	ug/kg	16.7	1	01/23/11 15:31	01/25/11 01:10	86-50-0	M1
Carbophenothion (Trithion)	ND	ug/kg	16.7	1	01/23/11 15:31	01/25/11 01:10	786-19-6	M1
Chlorpyrifos	ND	ug/kg	16.7	1	01/23/11 15:31	01/25/11 01:10	2921-88-2	
Coumaphos	ND	ug/kg	16.7	1	01/23/11 15:31	01/25/11 01:10	56-72-4	M1
Diazinon	ND	ug/kg	16.7	1	01/23/11 15:31	01/25/11 01:10	333-41-5	
Dichlorvos	ND	ug/kg	16.7	1	01/23/11 15:31	01/25/11 01:10	62-73-7	
Dimethoate	ND	ug/kg	16.7	1	01/23/11 15:31	01/25/11 01:10	60-51-5	
Disulfoton	ND	ug/kg	16.7	1	01/23/11 15:31	01/25/11 01:10	298-04-4	
Ethion	ND	ug/kg	16.7	1	01/23/11 15:31	01/25/11 01:10	563-12-2	M1
Famphur	ND	ug/kg	16.7	1	01/23/11 15:31	01/25/11 01:10	52-85-7	M1
Malathion	ND	ug/kg	16.7	1	01/23/11 15:31	01/25/11 01:10	121-75-5	
Methyl parathion	ND	ug/kg	16.7	1	01/23/11 15:31	01/25/11 01:10	298-00-0	M1
Mevinphos	ND	ug/kg	16.7	1	01/23/11 15:31	01/25/11 01:10	7786-34-7	
Monocrotophos	ND	ug/kg	33.4	1	01/23/11 15:31	01/25/11 01:10	919-44-8	
Parathion (Ethyl parathion)	ND	ug/kg	33.4	1	01/23/11 15:31	01/25/11 01:10	56-38-2	M1
Phorate	ND	ug/kg	33.4	1	01/23/11 15:31	01/25/11 01:10	298-02-2	M1
Phosmet	ND	ug/kg	16.7	1	01/23/11 15:31	01/25/11 01:10	732-11-6	M1
4-Chloro3nitrobenzotrifluoride	87	%	28.9-136.7	1	01/23/11 15:31	01/25/11 01:10		

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ANALYTICAL RESULTS

Project: ROME OIL MILL ROM-001
Pace Project No.: 9285857

Sample: DUP-3 **Lab ID: 9285857003** Collected: 01/11/11 10:00 Received: 01/18/11 11:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141							
Atrazine	ND	ug/kg	49.3	1	01/23/11 15:31	01/25/11 03:57	1912-24-9	
Azinphos, methyl (Guthion)	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 03:57	86-50-0	
Carbophenothion (Trithion)	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 03:57	786-19-6	
Chlorpyrifos	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 03:57	2921-88-2	
Coumaphos	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 03:57	56-72-4	
Diazinon	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 03:57	333-41-5	
Dichlorvos	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 03:57	62-73-7	
Dimethoate	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 03:57	60-51-5	
Disulfoton	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 03:57	298-04-4	
Ethion	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 03:57	563-12-2	
Famphur	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 03:57	52-85-7	
Malathion	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 03:57	121-75-5	
Methyl parathion	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 03:57	298-00-0	
Mevinphos	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 03:57	7786-34-7	
Monocrotophos	ND	ug/kg	32.9	1	01/23/11 15:31	01/25/11 03:57	919-44-8	
Parathion (Ethyl parathion)	ND	ug/kg	32.9	1	01/23/11 15:31	01/25/11 03:57	56-38-2	
Phorate	ND	ug/kg	32.9	1	01/23/11 15:31	01/25/11 03:57	298-02-2	
Phosmet	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 03:57	732-11-6	
4-Chloro3nitrobenzotrifluoride	86	%	28.9-136.7	1	01/23/11 15:31	01/25/11 03:57		

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ANALYTICAL RESULTS

Project: ROME OIL MILL ROM-001
Pace Project No.: 9285857

Sample: SB-6 (0-2) **Lab ID: 9285857004** Collected: 01/11/11 13:30 Received: 01/18/11 11:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141							
Atrazine	ND	ug/kg	49.3	1	01/23/11 15:31	01/25/11 04:38	1912-24-9	
Azinphos, methyl (Guthion)	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 04:38	86-50-0	
Carbophenothion (Trithion)	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 04:38	786-19-6	
Chlorpyrifos	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 04:38	2921-88-2	
Coumaphos	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 04:38	56-72-4	
Diazinon	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 04:38	333-41-5	
Dichlorvos	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 04:38	62-73-7	
Dimethoate	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 04:38	60-51-5	
Disulfoton	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 04:38	298-04-4	
Ethion	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 04:38	563-12-2	
Famphur	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 04:38	52-85-7	
Malathion	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 04:38	121-75-5	
Methyl parathion	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 04:38	298-00-0	
Mevinphos	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 04:38	7786-34-7	
Monocrotophos	ND	ug/kg	32.9	1	01/23/11 15:31	01/25/11 04:38	919-44-8	
Parathion (Ethyl parathion)	ND	ug/kg	32.9	1	01/23/11 15:31	01/25/11 04:38	56-38-2	
Phorate	ND	ug/kg	32.9	1	01/23/11 15:31	01/25/11 04:38	298-02-2	
Phosmet	ND	ug/kg	16.5	1	01/23/11 15:31	01/25/11 04:38	732-11-6	
4-Chloro3nitrobenzotrifluoride	82	%	28.9-136.7	1	01/23/11 15:31	01/25/11 04:38		

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ANALYTICAL RESULTS

Project: ROME OIL MILL ROM-001
Pace Project No.: 9285857

Sample: SB-8 (0-2) **Lab ID: 9285857005** Collected: 01/12/11 10:30 Received: 01/18/11 11:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8141 O/P Pesticides Microwave	Analytical Method: EPA 8141							
Atrazine	ND	ug/kg	50.3	1	01/23/11 15:31	01/25/11 03:15	1912-24-9	
Azinphos, methyl (Guthion)	ND	ug/kg	16.8	1	01/23/11 15:31	01/25/11 03:15	86-50-0	
Carbophenothion (Trithion)	ND	ug/kg	16.8	1	01/23/11 15:31	01/25/11 03:15	786-19-6	
Chlorpyrifos	ND	ug/kg	16.8	1	01/23/11 15:31	01/25/11 03:15	2921-88-2	
Coumaphos	ND	ug/kg	16.8	1	01/23/11 15:31	01/25/11 03:15	56-72-4	
Diazinon	ND	ug/kg	16.8	1	01/23/11 15:31	01/25/11 03:15	333-41-5	
Dichlorvos	ND	ug/kg	16.8	1	01/23/11 15:31	01/25/11 03:15	62-73-7	
Dimethoate	ND	ug/kg	16.8	1	01/23/11 15:31	01/25/11 03:15	60-51-5	
Disulfoton	ND	ug/kg	16.8	1	01/23/11 15:31	01/25/11 03:15	298-04-4	
Ethion	ND	ug/kg	16.8	1	01/23/11 15:31	01/25/11 03:15	563-12-2	
Famphur	ND	ug/kg	16.8	1	01/23/11 15:31	01/25/11 03:15	52-85-7	
Malathion	ND	ug/kg	16.8	1	01/23/11 15:31	01/25/11 03:15	121-75-5	
Methyl parathion	ND	ug/kg	16.8	1	01/23/11 15:31	01/25/11 03:15	298-00-0	
Mevinphos	ND	ug/kg	16.8	1	01/23/11 15:31	01/25/11 03:15	7786-34-7	
Monocrotophos	ND	ug/kg	33.6	1	01/23/11 15:31	01/25/11 03:15	919-44-8	
Parathion (Ethyl parathion)	ND	ug/kg	33.6	1	01/23/11 15:31	01/25/11 03:15	56-38-2	
Phorate	ND	ug/kg	33.6	1	01/23/11 15:31	01/25/11 03:15	298-02-2	
Phosmet	ND	ug/kg	16.8	1	01/23/11 15:31	01/25/11 03:15	732-11-6	
4-Chloro3nitrobenzotrifluoride	87	%	28.9-136.7	1	01/23/11 15:31	01/25/11 03:15		1g,IR

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QUALITY CONTROL DATA

Project: ROME OIL MILL ROM-001
Pace Project No.: 9285857

QC Batch: GCSV/3931 Analysis Method: EPA 8141
QC Batch Method: EPA 8141 Analysis Description: 8141 Organophos Pests in soil
Associated Lab Samples: 9285857001, 9285857002, 9285857003, 9285857004, 9285857005

METHOD BLANK: 162388 Matrix: Solid
Associated Lab Samples: 9285857001, 9285857002, 9285857003, 9285857004, 9285857005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Atrazine	ug/kg	ND	49.8	01/24/11 23:05	
Azinphos, methyl (Guthion)	ug/kg	ND	16.6	01/24/11 23:05	
Carbophenothion (Trithion)	ug/kg	ND	16.6	01/24/11 23:05	
Chlorpyrifos	ug/kg	ND	16.6	01/24/11 23:05	
Coumaphos	ug/kg	ND	16.6	01/24/11 23:05	
Diazinon	ug/kg	ND	16.6	01/24/11 23:05	
Dichlorvos	ug/kg	ND	16.6	01/24/11 23:05	
Dimethoate	ug/kg	ND	16.6	01/24/11 23:05	
Disulfoton	ug/kg	ND	16.6	01/24/11 23:05	
Ethion	ug/kg	ND	16.6	01/24/11 23:05	
Famphur	ug/kg	ND	16.6	01/24/11 23:05	
Malathion	ug/kg	ND	16.6	01/24/11 23:05	
Methyl parathion	ug/kg	ND	16.6	01/24/11 23:05	
Mevinphos	ug/kg	ND	16.6	01/24/11 23:05	
Monocrotophos	ug/kg	ND	33.2	01/24/11 23:05	
Parathion (Ethyl parathion)	ug/kg	ND	33.2	01/24/11 23:05	
Phorate	ug/kg	ND	33.2	01/24/11 23:05	
Phosmet	ug/kg	ND	16.6	01/24/11 23:05	
4-Chloro3nitrobenzotrifluoride	%	86	28.9-136.7	01/24/11 23:05	

LABORATORY CONTROL SAMPLE: 162389

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Atrazine	ug/kg	199	173	87	70-130	
Azinphos, methyl (Guthion)	ug/kg	66.2	59.9	90	70-130	
Carbophenothion (Trithion)	ug/kg	66.2	56.0	84	60.3-161.2	
Chlorpyrifos	ug/kg	66.2	58.6	88	61.2-138.4	
Coumaphos	ug/kg	66.2	53.6	81	65.1-165.9	
Diazinon	ug/kg	66.2	57.9	87	62.6-139.9	
Dichlorvos	ug/kg	66.2	71.5	108	70-130	SS
Dimethoate	ug/kg	66.2	57.6	87	68.1-150.4	
Disulfoton	ug/kg	66.2	55.0	83	60.3-134.3	
Ethion	ug/kg	66.2	54.6	82	61.3-165.9	
Famphur	ug/kg	66.2	55.6	84	70-130	
Malathion	ug/kg	66.2	70.2	106	61.8-146.2	SS
Methyl parathion	ug/kg	66.2	56.6	85	65.6-151.1	
Mevinphos	ug/kg	66.2	64.2	97	66.8-153.9	
Monocrotophos	ug/kg	132	101	76	43.6-186.3	
Parathion (Ethyl parathion)	ug/kg	132	106	80	65.5-142.5	
Phorate	ug/kg	132	102	77	63.1-135.8	
Phosmet	ug/kg	66.2	55.3	83	70-130	

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: ROME OIL MILL ROM-001
Pace Project No.: 9285857

LABORATORY CONTROL SAMPLE: 162389

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Chloro3nitrobenzotrifluoride	%			89	28.9-136.7	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 162390 162391

Parameter	Units	9285857002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Atrazine	ug/kg	ND	202	201	151	130	75	65	70-130	15	40	M1
Azinphos, methyl (Guthion)	ug/kg	ND	67.3	66.9	49.2	42.8	73	64	70-130	14	40	M1
Carbophenothion (Trithion)	ug/kg	ND	67.3	66.9	46.5	39.5	69	59	60.3-161	16	40	M1
Chlorpyrifos	ug/kg	ND	67.3	66.9	49.5	43.8	73	65	61.2-138	12	40	
Coumaphos	ug/kg	ND	67.3	66.9	41.4	35.1	61	52	65.1-165	16	40	M1
Diazinon	ug/kg	ND	67.3	66.9	49.5	44.5	73	66	62.6-139	11	40	
Dichlorvos	ug/kg	ND	67.3	66.9	62.0	56.9	92	85	70-130	9	40	SS
Dimethoate	ug/kg	ND	67.3	66.9	52.9	46.8	78	70	68.1-150	12	40	
Disulfoton	ug/kg	ND	67.3	66.9	49.5	44.1	73	66	60.3-134	11	40	
Ethion	ug/kg	ND	67.3	66.9	45.5	40.8	67	61	61.3-165	11	40	M1
Famphur	ug/kg	ND	67.3	66.9	46.1	40.1	68	60	70-130	14	40	M1
Malathion	ug/kg	ND	67.3	66.9	57.2	50.2	85	75	61.8-146	13	40	SS
Methyl parathion	ug/kg	ND	67.3	66.9	45.5	39.8	67	59	65.6-151	13	40	M1
Mevinphos	ug/kg	ND	67.3	66.9	56.9	49.8	84	74	66.8-153	13	40	
Monocrotophos	ug/kg	ND	135	134	87.9	76.3	65	57	43.6-186	14	40	
Parathion (Ethyl parathion)	ug/kg	ND	135	134	86.9	76.6	64	57	65.5-142	13	40	M1
Phorate	ug/kg	ND	135	134	88.6	77.6	66	58	63.1-135	13	40	M1
Phosmet	ug/kg	ND	67.3	66.9	44.1	38.5	65	57	70-130	14	40	M1
4-Chloro3nitrobenzotrifluoride	%						92	90	28.9-136			IR

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Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: ROME OIL MILL ROM-001
Pace Project No.: 9285857

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

1g	The internal standard response associated with this result exceeds the upper control limit. However, the data is accepted based on surrogate compound recovery meeting control limits.
IR	The internal standard recovery associated with this result exceeds the upper control limit. The reported result should be considered an estimated value.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1433421

Section A Required Client Information:

Company: Hart & Hickman, PC
Address: 2923 S. Tryon St Ste 100, Charlotte, NC 28203
Email To: jharriger@harthickman.com
Phone: 704-586-0007 Fax: 704-586-0373
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Joselyn Harriger
Copy To:
Purchase Order No.: Rom-001 (Rome Oil mill)
Project Name: Rome Oil Mill
Project Number: Rom-001

Section C Invoice Information:

Attention: Cynthia Wells
Company Name: Same as
Address: Report to
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 4037-1

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☒ OTHER EPA

Site Location STATE: GA

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): N

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	Composite Start Time	Composite End/Grab Date	Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: Organophosphorus Pesticides, 8141	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 9285857
1	SB-1 (3-4')	SL	G	~~1-10-11~~	~~1055~~	1-10-11	1055		1	X								X		9285857001
2	SB-9 (0-2')					1-11-11	1030		1	X								X (MS/MSD Portion Provided)		002
3	DUP-3					1-11-11	1000		1	X								X		003
4	SB-6 (0-2)					1-11-11	1330		1	X								X		004
5	SB-8 (0-2)					1-12-11	1030		1	X								X		005
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	C Walters	1-17-11	0800	J Platt	1/18/11	11:52	2.3 Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: C. Walters / B. O'Donnell

SIGNATURE of SAMPLER: C Walters

DATE Signed (MM/DD/YY): 1-12-10

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Empirical Laboratories, LLC

621 Mainstream Drive, Suite 270
Nashville, TN 37228
615.345.1115 Phone
866.417.0548Fax

19 April 2011

Joselyn Harriger
Hart & Hickman
2923 S. Tryon #100
Charlotte, NC 28203
RE: HH-Rome Oil Mill

Enclosed are the results of analyses for samples received by the laboratory on 04/06/2011 08:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Richard
Project Manager

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-5 (2-4') 040511	1104051-01	Solid	04/05/2011 11:15	04/06/2011 08:30

The samples were received and processed using normal regulatory and laboratory protocols. Unless noted in the Final Report, there were no significant data anomalies or failures noted during data assessment and reporting. The results within this report relate only to the samples received and reported for this project and this report shall not be reproduced except in full, without the approval of Empirical Laboratories, LLC.

The test results meet all requirements of NELAC unless otherwise noted. Data uncertainty is linked to the method and regulatory mandated quality control data associated with the sample.

CERTIFICATION INFORMATION

Prior to accepting a Project, Empirical Laboratories, LLC verifies certification requirements and where applicable ensures that the requirements are in place prior to sample analysis. In many cases, states do not carry matrix or program specific certifications. Please contact your Project Manager should specific certification information not be listed in this report. The following is a listing of all applicable certifications for the reported project.

NELAC Certification #TN473

SB-5 (2-4') 040511

1104051-01 (Solid)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Classical Chemistry Parameters									
% Solids	**72**	1.0	%	1	1D07027	04/07/11	04/09/11	SM2540B	
% Moisture	ND	1.0	%	1	1D07027	04/07/11	04/09/11	SM2540B	U
Semivolatile Organic Compounds by GC/MS									
Acenaphthene	ND	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	U
Acenaphthylene	ND	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	U
Anthracene	ND	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	U
Benzo(a)anthracene	ND	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	U
Benzo(a)pyrene	ND	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	U
Benzo(b)fluoranthene	**934**	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	
Benzo(g,h,i)perylene	ND	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	U
Benzo(k)fluoranthene	ND	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	U
Chrysene	**458**	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	
Dibenz(a,h)anthracene	ND	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	U
Fluoranthene	ND	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	U
Fluorene	ND	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	U
1-Methylnaphthalene	**518**	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	
2-Methylnaphthalene	**750**	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	
Naphthalene	**532**	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	
Phenanthrene	ND	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	U
Pyrene	**561**	444	ug/Kg dry	1	1D07016	04/07/11	04/17/11	SW8270C	
Surrogate: 2-Fluorobiphenyl	*74.0 %*	*45-105*			*1D07016*	*04/07/11*	*04/17/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*61.4 %*	*35-100*			*1D07016*	*04/07/11*	*04/17/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*87.5 %*	*30-125*			*1D07016*	*04/07/11*	*04/17/11*	*SW8270C*	

Classical Chemistry Parameters - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1D07027										
Duplicate (1D07027-DUP1)	**Source: 1103228-01**		Prepared: 04/07/2011 Analyzed: 04/09/2011							
% Solids	81.20	1.0	%		88.45			8.54	20	
% Moisture	ND	1.0	%		ND				20	
Duplicate (1D07027-DUP2)	**Source: 1103224-16**		Prepared: 04/07/2011 Analyzed: 04/09/2011							
% Moisture	ND	1.0	%		ND				20	
% Solids	88.96	1.0	%		82.75			7.23	20	

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1D07016										
Blank (1D07016-BLK1)				Prepared: 04/07/2011 Analyzed: 04/16/2011						
Acenaphthene	ND	330	ug/Kg wet							
Acenaphthylene	ND	330	ug/Kg wet							
Anthracene	ND	330	ug/Kg wet							
Benzo(a)anthracene	ND	330	ug/Kg wet							
Benzo(a)pyrene	ND	330	ug/Kg wet							
Benzo(b)fluoranthene	ND	330	ug/Kg wet							
Benzo(g,h,i)perylene	ND	330	ug/Kg wet							
Benzo(k)fluoranthene	ND	330	ug/Kg wet							
Chrysene	ND	330	ug/Kg wet							
Dibenz(a,h)anthracene	ND	330	ug/Kg wet							
Fluoranthene	ND	330	ug/Kg wet							
Fluorene	ND	330	ug/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg wet							
1-Methylnaphthalene	ND	330	ug/Kg wet							
2-Methylnaphthalene	ND	330	ug/Kg wet							
Naphthalene	ND	330	ug/Kg wet							
Phenanthrene	ND	330	ug/Kg wet							
Pyrene	ND	330	ug/Kg wet							
Surrogate: 2-Fluorobiphenyl	*2734*		*ug/Kg wet*	*3333*		*82.0*	*45-105*			
Surrogate: Nitrobenzene-d5	*2306*		*ug/Kg wet*	*3333*		*69.2*	*35-100*			
Surrogate: Terphenyl-d14	*2760*		*ug/Kg wet*	*3333*		*82.8*	*30-125*			
LCS (1D07016-BS1)				Prepared: 04/07/2011 Analyzed: 04/16/2011						
Acenaphthene	2927	330	ug/Kg wet	3333		87.8	45-110			
Acenaphthylene	2915	330	ug/Kg wet	3333		87.5	45-105			
Anthracene	2575	330	ug/Kg wet	3333		77.3	55-105			
Benzo(a)anthracene	2509	330	ug/Kg wet	3333		75.3	50-110			
Benzo(a)pyrene	2669	330	ug/Kg wet	3333		80.1	50-110			
Benzo(b)fluoranthene	2617	330	ug/Kg wet	3333		78.5	45-115			
Benzo(g,h,i)perylene	2669	330	ug/Kg wet	3333		80.1	40-125			
Benzo(k)fluoranthene	2907	330	ug/Kg wet	3333		87.2	45-125			
Chrysene	2532	330	ug/Kg wet	3333		76.0	55-110			
Dibenz(a,h)anthracene	2764	330	ug/Kg wet	3333		82.9	40-125			
Fluoranthene	2714	330	ug/Kg wet	3333		81.4	55-115			
Fluorene	2658	330	ug/Kg wet	3333		79.8	50-110			
Indeno(1,2,3-cd)pyrene	2760	330	ug/Kg wet	3333		82.8	40-120			
1-Methylnaphthalene	2534	330	ug/Kg wet	3333		76.0	30-110			
2-Methylnaphthalene	2886	330	ug/Kg wet	3333		86.6	40-110			
Naphthalene	2606	330	ug/Kg wet	3333		78.2	40-105			
Phenanthrene	2626	330	ug/Kg wet	3333		78.8	50-110			
Pyrene	2775	330	ug/Kg wet	3333		83.3	45-125			
Surrogate: 2-Fluorobiphenyl	*2924*		*ug/Kg wet*	*3333*		*87.7*	*45-105*			
Surrogate: Nitrobenzene-d5	*2667*		*ug/Kg wet*	*3333*		*80.0*	*35-100*			
Surrogate: Terphenyl-d14	*2559*		*ug/Kg wet*	*3333*		*76.8*	*30-125*			

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1D07016										
Matrix Spike (1D07016-MS1)	**Source: 1104057-09**		Prepared: 04/07/2011 Analyzed: 04/17/2011							
Acenaphthene	2437	326	ug/Kg wet	3289		74.1	45-110			
Acenaphthylene	2313	326	ug/Kg wet	3289		70.3	45-105			
Anthracene	2460	326	ug/Kg wet	3289		74.8	55-105			
Benzo(a)anthracene	2290	326	ug/Kg wet	3289		69.6	50-110			
Benzo(a)pyrene	2376	326	ug/Kg wet	3289		72.2	50-110			
Benzo(b)fluoranthene	2467	326	ug/Kg wet	3289		75.0	45-115			
Benzo(g,h,i)perylene	2046	326	ug/Kg wet	3289		62.2	40-125			
Benzo(k)fluoranthene	2830	326	ug/Kg wet	3289		86.0	45-125			
Chrysene	2467	326	ug/Kg wet	3289		75.0	55-110			
Dibenz(a,h)anthracene	1872	326	ug/Kg wet	3289		56.9	40-125			
Fluoranthene	2377	326	ug/Kg wet	3289		72.3	55-115			
Fluorene	2449	326	ug/Kg wet	3289		74.5	50-110			
Indeno(1,2,3-cd)pyrene	1957	326	ug/Kg wet	3289		59.5	40-120			
1-Methylnaphthalene	2015	326	ug/Kg wet	3289		61.2	30-110			
2-Methylnaphthalene	2442	326	ug/Kg wet	3289		74.2	40-110			
Naphthalene	2505	326	ug/Kg wet	3289		76.2	40-105			
Phenanthrene	2358	326	ug/Kg wet	3289		71.7	50-110			
Pyrene	2971	326	ug/Kg wet	3289		90.3	45-125			
Surrogate: 2-Fluorobiphenyl	*2374*		*ug/Kg wet*	*3289*		*72.2*	*45-105*			
Surrogate: Nitrobenzene-d5	*2338*		*ug/Kg wet*	*3289*		*71.1*	*35-100*			
Surrogate: Terphenyl-d14	*3095*		*ug/Kg wet*	*3289*		*94.1*	*30-125*			

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Detected but below the Reporting Limit/Limit of Quantitation; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

EMPIRICAL LABORATORIES, LLC - CHAIN OF CUSTODY RECORD

SHIP TO: 621 Mainstream Drive, Suite 270 ♦ Nashville, TN 37228 ♦ 615-345-1115 ♦ (fax) 615-846-5426

12809

Send Results to:

Name Joselyn Harriger
Company Hart & Hickman
Address 2923 S. Tryon St Ste 100
City Charlotte
State, Zip NC 28203
Phone 704-586-0007
Fax 704-586-0373
E-mail jharriger@harthickman.com

Send Invoice to:

Name Cynthia Wells
Company
Address SAME AS
City Report to
State, Zip
Phone
Fax
E-mail

Project No./Name: Rome Oil Mill (Rom-001)

Sampler's (Signature): Crystal Walters

Analysis Requirements: SVOCs PAHs

Lab Use Only:

VOA Headspace	Y	N	NA
Field Filtered	Y	N	NA
Correct Containers	Y	N	NA
Discrepancies	Y	N	NA
Cust. Seals Intact	Y	N	NA
Containers Intact	Y	N	NA

Airbill #: 7927

CAR #: —

Lab Use Only Lab #	Date/Time Sampled	Sample Description	Sample Matrix	SVOCs PAHs	Comments	No. of Bottles	Lab Use Only Containers/Pres.
1104051-01	4-5-11 1115	SB-5 (2-4') 040511	Soil	✓		2	2M

Sample Kit Prep'd by: (Signature)	Date/Time	Received By: (Signature)
Relinquished by: (Signature) Crystal Walters	Date/Time 4-5-11 1530	Received By: (Signature)
Relinquished by: (Signature)	Date/Time	Received By: (Signature)
Received for Laboratory by: (Signature)	Date/Time 4.6.11	Temperature 1.1°C

REMARKS:

Details:

Page 1 of 1

Cooler No. 1 of 1

Date Shipped 4-5-11

Shipped By CMW

Turnaround Standard

Distribution: Original and yellow copies accompany sample shipment to laboratory; Pink retained by samplers.

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1104051 Number of Coolers: 1 of 1

Client: Hart & Hickman Project: Rome Oil mill

Date/Time Received: 4.6.11 0830 Date cooler(s) opened: 4.6.11

Opened By (print): Reginald Talley (signature): Reginald Talley

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered

EL Courier Other: _____

If applicable, enter airbill number here: 7927

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 4.5.11 Seal Initials: ?

3. Were custody seals unbroken and intact at the date and time of arrival? ..... Yes No N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... Yes No N/A
5. Were custody papers filled out properly (ink, signed, etc.)? ..... Yes No N/A
6. Did you sign custody papers in the appropriate place for acceptance? ..... Yes No N/A
7. Was project identifiable from custody papers? ..... Yes No N/A
8. If required, was enough ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 1.4 °C Correction Factor: -0.3 °C Final Value: 1.1 °C

Dates samples were logged-in: 4.6.11

9. Initial this form to acknowledge login of sample(s): (Name): Reginald Talley (Initial): RT
10. Were all bottle lids intact and sealed tightly? ..... Yes No N/A
11. Did all bottles arrive unbroken? ..... Yes No N/A
12. Was all required bottle label information complete? ..... Yes No N/A
13. Did all bottle labels agree with custody papers? ..... Yes No N/A
14. Were correct containers used for the analyses indicated? ..... Yes No N/A
15. Were preservative levels correct in all applicable sample containers? ..... Yes No N/A
16. Was residual chlorine present in any applicable sample containers? ..... Yes No N/A
17. Was sufficient amount of sample sent for the analyses required? ..... Yes No N/A
18. Was headspace present in any included VOA vials? ..... Yes No N/A

If Non-Conformance issues were present, list by sample ID: _____

Empirical Laboratories, LLC

621 Mainstream Drive, Suite 270
Nashville, TN 37228
615.345.1115 Phone
866.417.0548Fax

01 February 2011

Joselyn Harriger
Hart & Hickman
2923 S. Tryon #100
Charlotte, NC 28203

RE: HH-Rome Oil Mill

Enclosed are the results of analyses for samples received by the laboratory on 01/19/2011 08:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Richard
Project Manager

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	1101063-01	Water	01/14/2011 09:30	01/19/2011 08:05
MW-2	1101063-02	Water	01/14/2011 11:00	01/19/2011 08:05
MW-3	1101063-03	Water	01/14/2011 12:15	01/19/2011 08:05
MW-4	1101063-04	Water	01/14/2011 14:10	01/19/2011 08:05
MW-5	1101063-05	Water	01/14/2011 15:00	01/19/2011 08:05
DUP-4	1101063-06	Water	01/14/2011 09:00	01/19/2011 08:05
TRIP BLANK	1101063-07	Water	01/18/2011 00:00	01/19/2011 08:05

The samples were received and processed using normal regulatory and laboratory protocols. Unless noted in the Final Report, there were no significant data anomalies or failures noted during data assessment and reporting. The results within this report relate only to the samples received and reported for this project and this report shall not be reproduced except in full, without the approval of Empirical Laboratories, LLC.

The test results meet all requirements of NELAC unless otherwise noted. Data uncertainty is linked to the method and regulatory mandated quality control data associated with the sample.

VOC
LCS-Recovery for Hexane samples 1A21031-BS2 and 1A21031-BSD2 was outside the acceptable range of 50-150% at 265% and 231%. There are no positive results in the samples for Hexane.
CCV- Two out of 54 targets recovered high in the CCV. Associated samples are flagged with an "X".

SVOC
LCS-Recoveries for 4 out of 112 targets in samples 1A19009-BS1 and 1A19009-BSD1 were outside their acceptable ranges. See included QC for details.
Surrogate-Recovery for Terphenyl-d14 in two samples was outside the acceptable range of 50-135% at 46.7% and 24.5%.
CCV-Six out of 56 targets recovered low in the CCV. Associated samples are flagged with a "Y". Eight out of 56 targets recovered high in the CCV. Associated samples are flagged with an "X".

Mercury
MS/MSD-Recovery for Hg in sample 1A21018-MS1 and 1A21018-MSD1 was outside the acceptable range of 80-120% at 59.0% and 55.9%. LCS is in control.

CERTIFICATION INFORMATION

Prior to accepting a Project, Empirical Laboratories, LLC verifies certification requirements and where applicable ensures that the requirements are in place prior to sample analysis. In many cases, states do not carry matrix or program specific certifications. Please contact your Project Manager should specific certification information not be listed in this report. The following is a listing of all applicable certifications for the reported project.

State of North Carolina, Department of Environment and Natural Resources, Certificate No.:643
NELAC Certification #TN473

MW-1

1101063-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Metals in Water by ICP-AES									
Arsenic	ND	10.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Barium	**62.5**	40.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	
Cadmium	ND	5.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Chromium	ND	10.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Lead	ND	3.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Selenium	ND	5.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Silver	ND	3.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	ND	0.200	ug/L	1	1A21018	01/21/11	01/25/11	SW7470A	U
Volatile Organic Compounds by GC/MS									
Acetone	ND	10.0	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	X U
Benzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromodichloromethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromoform	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromomethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
n-Butylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
2-Butanone	ND	10.0	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Carbon disulfide	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Carbon tetrachloride	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloroethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloroform	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Cyclohexane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Dibromochloromethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,3-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,4-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Dichlorodifluoromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
cis-1,2-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
trans-1,2-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichloropropane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
cis-1,3-Dichloropropene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U

MW-1

1101063-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Volatile Organic Compounds by GC/MS									
trans-1,3-Dichloropropene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Hexane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	Q X U
2-Hexanone	ND	5.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Isopropylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methylene chloride	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methyl Acetate	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methylcyclohexane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Naphthalene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
4-Methyl-2-pentanone	ND	5.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methyl t-Butyl Ether	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
n-Propylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Styrene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Tetrachloroethene	**4.22**	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	
Toluene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,1-Trichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Trichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Trichlorofluoromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Vinyl chloride	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*101 %*		*75-120*		*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*105 %*		*85-115*		*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*105 %*		*70-120*		*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*105 %*		*85-120*		*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	

MW-1

1101063-01 (Water)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Acenaphthylene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Anthracene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(a)anthracene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(a)pyrene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(b)fluoranthene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(g,h,i)perylene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzoic acid	ND	48.1	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(k)fluoranthene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Bromophenyl-phenylether	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Butylbenzylphthalate	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Chloro-3-methylphenol	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Chloroaniline	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Y Q U
Bis(2-chloroethoxy)methane	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
2,2'-Oxybis-1-chloropropane	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
2-Chloronaphthalene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2-Chlorophenol	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Chrysene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Dibenz(a,h)anthracene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Dibenzofuran	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Di-n-butylphthalate	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Y U
2,4-Dichlorophenol	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Diethylphthalate	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4-Dimethylphenol	ND	19.2	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Dimethyl phthalate	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	19.2	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4-Dinitrophenol	ND	48.1	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4-Dinitrotoluene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,6-Dinitrotoluene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Di-n-octylphthalate	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Fluoranthene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Fluorene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Hexachlorobenzene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Hexachlorobutadiene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Hexachlorocyclopentadiene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U

MW-1

1101063-01 (Water)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Isophorone	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
2-Methylnaphthalene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2-Methylphenol	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Methylphenol	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Naphthalene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Nitrobenzene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Q X U
4-Nitrophenol	ND	19.2	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2-Nitrophenol	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
N-Nitrosodiphenylamine	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
N-Nitroso-di-n-propylamine	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
Pentachlorophenol	ND	19.2	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Phenanthrene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Phenol	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Pyrene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4,6-Trichlorophenol	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*70.5 %*		*50-110*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*40.6 %*		*20-110*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*98.3 %*		*40-110*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	X
Surrogate: Phenol-d6	*26.5 %*		*10-110*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*46.7 %*		*50-135*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*71.8 %*		*40-125*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	

MW-2

1101063-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Metals in Water by ICP-AES									
Arsenic	ND	10.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Barium	**349**	40.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	
Cadmium	ND	5.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Chromium	ND	10.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Lead	ND	3.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Selenium	ND	5.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Silver	ND	3.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	ND	0.200	ug/L	1	1A21018	01/21/11	01/25/11	SW7470A	U
Volatile Organic Compounds by GC/MS									
Acetone	ND	10.0	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	UX
Benzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromodichloromethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromoform	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromomethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
n-Butylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
2-Butanone	ND	10.0	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Carbon disulfide	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Carbon tetrachloride	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloroethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloroform	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Cyclohexane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Dibromochloromethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,3-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,4-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Dichlorodifluoromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
cis-1,2-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
trans-1,2-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichloropropane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
cis-1,3-Dichloropropene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U

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1101063-02 (Water)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Hexane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	Q X U
2-Hexanone	ND	5.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Isopropylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methylene chloride	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methyl Acetate	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methylcyclohexane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Naphthalene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
4-Methyl-2-pentanone	ND	5.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methyl t-Butyl Ether	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
n-Propylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Styrene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Tetrachloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Toluene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,1-Trichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Trichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Trichlorofluoromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Vinyl chloride	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*100 %*	*75-120*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*107 %*	*85-115*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*108 %*	*70-120*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*105 %*	*85-120*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	

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1101063-02 (Water)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Acenaphthylene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Anthracene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(a)anthracene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(a)pyrene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(b)fluoranthene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(g,h,i)perylene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzoic acid	ND	50.0	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(k)fluoranthene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Bromophenyl-phenylether	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Butylbenzylphthalate	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Chloro-3-methylphenol	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Chloroaniline	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Q Y U
Bis(2-chloroethoxy)methane	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
2,2'-Oxybis-1-chloropropane	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
2-Chloronaphthalene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2-Chlorophenol	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Chrysene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Dibenz(a,h)anthracene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Dibenzofuran	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Di-n-butylphthalate	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Y U
2,4-Dichlorophenol	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Diethylphthalate	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4-Dimethylphenol	ND	20.0	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Dimethyl phthalate	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	20.0	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4-Dinitrophenol	ND	50.0	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4-Dinitrotoluene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,6-Dinitrotoluene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Di-n-octylphthalate	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Fluoranthene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Fluorene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Hexachlorobenzene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Hexachlorobutadiene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Hexachlorocyclopentadiene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U

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1101063-02 (Water)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Isophorone	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
2-Methylnaphthalene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2-Methylphenol	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Methylphenol	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Naphthalene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Nitrobenzene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Q X U
4-Nitrophenol	ND	20.0	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2-Nitrophenol	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
N-Nitrosodiphenylamine	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
N-Nitroso-di-n-propylamine	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
Pentachlorophenol	ND	20.0	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Phenanthrene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Phenol	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Pyrene	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4,6-Trichlorophenol	ND	5.00	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*67.8 %*	*50-110*			*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*39.6 %*	*20-110*			*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*87.4 %*	*40-110*			*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	X
Surrogate: Phenol-d6	*24.8 %*	*10-110*			*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*54.7 %*	*50-135*			*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*70.4 %*	*40-125*			*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	

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1101063-03 (Water)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Metals in Water by ICP-AES									
Arsenic	ND	10.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Barium	ND	40.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Cadmium	ND	5.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Chromium	ND	10.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Lead	ND	3.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Selenium	ND	5.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Silver	ND	3.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	ND	0.200	ug/L	1	1A21018	01/21/11	01/25/11	SW7470A	U
Volatile Organic Compounds by GC/MS									
Acetone	ND	10.0	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	UX
Benzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromodichloromethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromoform	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromomethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
n-Butylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
2-Butanone	ND	10.0	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Carbon disulfide	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Carbon tetrachloride	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloroethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloroform	**1.52**	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	
Chloromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Cyclohexane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Dibromochloromethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,3-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,4-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Dichlorodifluoromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
cis-1,2-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
trans-1,2-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichloropropane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
cis-1,3-Dichloropropene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U

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1101063-03 (Water)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Hexane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	Q X U
2-Hexanone	ND	5.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Isopropylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methylene chloride	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methyl Acetate	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methylcyclohexane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Naphthalene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
4-Methyl-2-pentanone	ND	5.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methyl t-Butyl Ether	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
n-Propylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Styrene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Tetrachloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Toluene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,1-Trichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Trichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Trichlorofluoromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Vinyl chloride	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*100 %*	*75-120*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*107 %*	*85-115*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*106 %*	*70-120*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*103 %*	*85-120*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	

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1101063-03 (Water)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Acenaphthylene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Anthracene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(a)anthracene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(a)pyrene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(b)fluoranthene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(g,h,i)perylene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzoic acid	ND	48.5	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(k)fluoranthene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Bromophenyl-phenylether	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Butylbenzylphthalate	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Chloro-3-methylphenol	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Chloroaniline	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Q Y U
Bis(2-chloroethoxy)methane	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
2,2'-Oxybis-1-chloropropane	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
2-Chloronaphthalene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2-Chlorophenol	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Chrysene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Dibenz(a,h)anthracene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Dibenzofuran	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Di-n-butylphthalate	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Y U
2,4-Dichlorophenol	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Diethylphthalate	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4-Dimethylphenol	ND	19.4	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Dimethyl phthalate	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	19.4	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4-Dinitrophenol	ND	48.5	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4-Dinitrotoluene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,6-Dinitrotoluene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Di-n-octylphthalate	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Fluoranthene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Fluorene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Hexachlorobenzene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Hexachlorobutadiene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Hexachlorocyclopentadiene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U

MW-3

1101063-03 (Water)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Isophorone	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
2-Methylnaphthalene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2-Methylphenol	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Methylphenol	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Naphthalene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Nitrobenzene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Q X U
4-Nitrophenol	ND	19.4	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2-Nitrophenol	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
N-Nitrosodiphenylamine	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
N-Nitroso-di-n-propylamine	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
Pentachlorophenol	ND	19.4	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Phenanthrene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Phenol	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Pyrene	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4,6-Trichlorophenol	ND	4.85	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*67.4 %*		*50-110*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*34.3 %*		*20-110*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*86.4 %*		*40-110*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	X
Surrogate: Phenol-d6	*23.1 %*		*10-110*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*51.4 %*		*50-135*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*68.4 %*		*40-125*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	

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1101063-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Metals in Water by ICP-AES									
Arsenic	ND	10.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Barium	**77.8**	40.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	
Cadmium	ND	5.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Chromium	ND	10.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Lead	ND	3.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Selenium	ND	5.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Silver	ND	3.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	ND	0.200	ug/L	1	1A21018	01/21/11	01/25/11	SW7470A	U
Volatile Organic Compounds by GC/MS									
Acetone	ND	10.0	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	UX
Benzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromodichloromethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromoform	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromomethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
n-Butylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
2-Butanone	ND	10.0	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Carbon disulfide	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Carbon tetrachloride	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloroethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloroform	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Cyclohexane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Dibromochloromethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,3-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,4-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Dichlorodifluoromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
cis-1,2-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
trans-1,2-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichloropropane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
cis-1,3-Dichloropropene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U

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1101063-04 (Water)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Hexane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	Q X U
2-Hexanone	ND	5.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Isopropylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methylene chloride	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methyl Acetate	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methylcyclohexane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Naphthalene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
4-Methyl-2-pentanone	ND	5.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methyl t-Butyl Ether	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
n-Propylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Styrene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Tetrachloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Toluene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,1-Trichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Trichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Trichlorofluoromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Vinyl chloride	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*99.8 %*	*75-120*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*105 %*	*85-115*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*99.8 %*	*70-120*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*104 %*	*85-120*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	

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1101063-04 (Water)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Acenaphthylene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Anthracene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(a)anthracene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(a)pyrene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(b)fluoranthene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(g,h,i)perylene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzoic acid	ND	48.1	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(k)fluoranthene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Bromophenyl-phenylether	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Butylbenzylphthalate	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Chloro-3-methylphenol	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Chloroaniline	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Q Y U
Bis(2-chloroethoxy)methane	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
2,2'-Oxybis-1-chloropropane	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
2-Chloronaphthalene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2-Chlorophenol	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Chrysene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Dibenz(a,h)anthracene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Dibenzofuran	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Di-n-butylphthalate	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Y U
2,4-Dichlorophenol	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Diethylphthalate	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4-Dimethylphenol	ND	19.2	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Dimethyl phthalate	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	19.2	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4-Dinitrophenol	ND	48.1	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4-Dinitrotoluene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,6-Dinitrotoluene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Di-n-octylphthalate	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Fluoranthene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Fluorene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Hexachlorobenzene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Hexachlorobutadiene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Hexachlorocyclopentadiene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U

MW-4

1101063-04 (Water)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Hexachloroethane	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Isophorone	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
2-Methylnaphthalene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2-Methylphenol	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Methylphenol	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Naphthalene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Nitrobenzene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Q X U
4-Nitrophenol	ND	19.2	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2-Nitrophenol	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
N-Nitrosodiphenylamine	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
N-Nitroso-di-n-propylamine	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
Pentachlorophenol	ND	19.2	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Phenanthrene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Phenol	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Pyrene	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4,6-Trichlorophenol	ND	4.81	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*62.2 %*		*50-110*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*38.9 %*		*20-110*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*89.0 %*		*40-110*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	X
Surrogate: Phenol-d6	*26.3 %*		*10-110*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*24.5 %*		*50-135*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*62.4 %*		*40-125*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	

MW-5

1101063-05 (Water)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Metals in Water by ICP-AES									
Arsenic	ND	10.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Barium	**44.5**	40.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	
Cadmium	ND	5.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Chromium	ND	10.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Lead	ND	3.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Selenium	ND	5.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Silver	ND	3.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	ND	0.200	ug/L	1	1A21018	01/21/11	01/25/11	SW7470A	U
Volatile Organic Compounds by GC/MS									
Acetone	**24.2**	10.0	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	X
Benzene	**4.71**	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	
Bromodichloromethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromoform	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromomethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
n-Butylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
2-Butanone	ND	10.0	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Carbon disulfide	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Carbon tetrachloride	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloroethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloroform	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Cyclohexane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Dibromochloromethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,3-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,4-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Dichlorodifluoromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
cis-1,2-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
trans-1,2-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichloropropane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
cis-1,3-Dichloropropene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U

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1101063-05 (Water)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,3-Dichloropropene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Hexane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	Q X U
2-Hexanone	ND	5.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Isopropylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methylene chloride	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methyl Acetate	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methylcyclohexane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Naphthalene	**1.36**	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	
4-Methyl-2-pentanone	ND	5.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methyl t-Butyl Ether	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
n-Propylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Styrene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Tetrachloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Toluene	**1.17**	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	
1,2,4-Trichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,1-Trichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Trichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Trichlorofluoromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Vinyl chloride	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*100 %*	*75-120*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*104 %*	*85-115*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*99.9 %*	*70-120*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*103 %*	*85-120*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	

MW-5

1101063-05 (Water)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Acenaphthylene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	Y U
Anthracene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Benzo(a)anthracene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Benzo(a)pyrene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Benzo(b)fluoranthene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Benzo(g,h,i)perylene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	Y U
Benzoic acid	ND	49.5	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	UX
Benzo(k)fluoranthene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
4-Bromophenyl-phenylether	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Butylbenzylphthalate	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
4-Chloro-3-methylphenol	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	X U
4-Chloroaniline	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Bis(2-chloroethoxy)methane	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Bis(2-chloroethyl)ether	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
2,2'-Oxybis-1-chloropropane	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	X U
2-Chloronaphthalene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
2-Chlorophenol	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Chrysene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Dibenz(a,h)anthracene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	Y U
Dibenzofuran	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Di-n-butylphthalate	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	Y U
2,4-Dichlorophenol	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Diethylphthalate	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
2,4-Dimethylphenol	ND	19.8	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Dimethyl phthalate	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	19.8	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
2,4-Dinitrophenol	ND	49.5	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
2,4-Dinitrotoluene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
2,6-Dinitrotoluene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Di-n-octylphthalate	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Fluoranthene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Fluorene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Hexachlorobenzene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Hexachlorobutadiene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Hexachlorocyclopentadiene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U

MW-5

1101063-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Semivolatile Organic Compounds by GC/MS									
Hexachloroethane	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	Y U
Isophorone	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	X U
2-Methylnaphthalene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
2-Methylphenol	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
4-Methylphenol	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Naphthalene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Nitrobenzene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	X U
4-Nitrophenol	ND	19.8	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	X U
2-Nitrophenol	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
N-Nitrosodiphenylamine	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
N-Nitroso-di-n-propylamine	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	X U
Pentachlorophenol	ND	19.8	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Phenanthrene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Phenol	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Pyrene	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
2,4,6-Trichlorophenol	ND	4.95	ug/L	1	1A19009	01/19/11	01/26/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*67.9 %*		*50-110*		*1A19009*	*01/19/11*	*01/26/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*38.2 %*		*20-110*		*1A19009*	*01/19/11*	*01/26/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*96.1 %*		*40-110*		*1A19009*	*01/19/11*	*01/26/11*	*SW8270C*	
Surrogate: Phenol-d6	*26.3 %*		*10-110*		*1A19009*	*01/19/11*	*01/26/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*52.6 %*		*50-135*		*1A19009*	*01/19/11*	*01/26/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*75.0 %*		*40-125*		*1A19009*	*01/19/11*	*01/26/11*	*SW8270C*	

DUP-4

1101063-06 (Water)

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Metals in Water by ICP-AES									
Arsenic	ND	10.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Barium	**353**	40.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	
Cadmium	ND	5.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Chromium	ND	10.0	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Lead	ND	3.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Selenium	ND	5.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Silver	ND	3.00	ug/L	1	1A21003	01/21/11	01/24/11	SW6010C	U
Mercury by CVAA									
Mercury	ND	0.200	ug/L	1	1A21018	01/21/11	01/25/11	SW7470A	U
Volatile Organic Compounds by GC/MS									
Acetone	ND	10.0	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	UX
Benzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromodichloromethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromoform	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromomethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
n-Butylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
2-Butanone	ND	10.0	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Carbon disulfide	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Carbon tetrachloride	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloroethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloroform	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Cyclohexane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Dibromochloromethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,3-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,4-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Dichlorodifluoromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
cis-1,2-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
trans-1,2-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichloropropane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
cis-1,3-Dichloropropene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U

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1101063-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Volatile Organic Compounds by GC/MS									
trans-1,3-Dichloropropene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Hexane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	Q X U
2-Hexanone	ND	5.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Isopropylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methylene chloride	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methyl Acetate	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methylcyclohexane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Naphthalene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
4-Methyl-2-pentanone	ND	5.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methyl t-Butyl Ether	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
n-Propylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Styrene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Tetrachloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Toluene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,1-Trichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Trichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Trichlorofluoromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Vinyl chloride	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*102 %*		*75-120*		*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*108 %*		*85-115*		*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*106 %*		*70-120*		*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*102 %*		*85-120*		*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	

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1101063-06 (Water)

Empirical Laboratories, LLC

Semivolatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Acenaphthylene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Anthracene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(a)anthracene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(a)pyrene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(b)fluoranthene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(g,h,i)perylene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzoic acid	ND	50.5	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Benzo(k)fluoranthene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Bromophenyl-phenylether	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Butylbenzylphthalate	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Chloro-3-methylphenol	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Chloroaniline	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Q Y U
Bis(2-chloroethoxy)methane	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Q U
Bis(2-chloroethyl)ether	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
2,2'-Oxybis-1-chloropropane	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
2-Chloronaphthalene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2-Chlorophenol	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Chlorophenyl phenyl ether	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Chrysene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Dibenz(a,h)anthracene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Dibenzofuran	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Di-n-butylphthalate	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
3,3'-Dichlorobenzidine	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Y U
2,4-Dichlorophenol	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Diethylphthalate	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4-Dimethylphenol	ND	20.2	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Dimethyl phthalate	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4,6-Dinitro-2-methylphenol	ND	20.2	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4-Dinitrophenol	ND	50.5	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4-Dinitrotoluene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,6-Dinitrotoluene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Di-n-octylphthalate	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Bis(2-ethylhexyl)phthalate	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Fluoranthene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Fluorene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Hexachlorobenzene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Hexachlorobutadiene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Hexachlorocyclopentadiene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U

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1101063-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Empirical Laboratories, LLC									
Semivolatile Organic Compounds by GC/MS									
Hexachloroethane	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Indeno(1,2,3-cd)pyrene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Isophorone	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
2-Methylnaphthalene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2-Methylphenol	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
4-Methylphenol	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Naphthalene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Nitrobenzene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	Q X U
4-Nitrophenol	ND	20.2	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2-Nitrophenol	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
N-Nitrosodiphenylamine	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
N-Nitroso-di-n-propylamine	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	X U
Pentachlorophenol	ND	20.2	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Phenanthrene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Phenol	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Pyrene	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
2,4,6-Trichlorophenol	ND	5.05	ug/L	1	1A19009	01/19/11	01/25/11	SW8270C	U
Surrogate: 2-Fluorobiphenyl	*65.6 %*		*50-110*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: 2-Fluorophenol	*40.9 %*		*20-110*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: Nitrobenzene-d5	*89.6 %*		*40-110*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	X
Surrogate: Phenol-d6	*26.7 %*		*10-110*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: Terphenyl-d14	*64.4 %*		*50-135*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	
Surrogate: 2,4,6-Tribromophenol	*74.0 %*		*40-125*		*1A19009*	*01/19/11*	*01/25/11*	*SW8270C*	

TRIP BLANK

1101063-07 (Water)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	ND	10.0	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	X U
Benzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromodichloromethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromoform	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Bromomethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
n-Butylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
2-Butanone	ND	10.0	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Carbon disulfide	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Carbon tetrachloride	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloroethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloroform	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Chloromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Cyclohexane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Dibromochloromethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dibromo-3-chloropropane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dibromoethane (EDB)	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,3-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,4-Dichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Dichlorodifluoromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
cis-1,2-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
trans-1,2-Dichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2-Dichloropropane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
cis-1,3-Dichloropropene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
trans-1,3-Dichloropropene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Ethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Hexane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	Q X U
2-Hexanone	ND	5.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Isopropylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methylene chloride	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methyl Acetate	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methylcyclohexane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Naphthalene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
4-Methyl-2-pentanone	ND	5.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Methyl t-Butyl Ether	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U

TRIP BLANK

1101063-07 (Water)

Empirical Laboratories, LLC

Volatile Organic Compounds by GC/MS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
n-Propylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Styrene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2,2-Tetrachloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Tetrachloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Toluene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2,4-Trichlorobenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,1-Trichloroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Trichloroethene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Trichlorofluoromethane	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,3,5-Trimethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,2,4-Trimethylbenzene	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Vinyl chloride	ND	2.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Xylenes (total)	ND	1.00	ug/L	1	1A21031	01/21/11	01/22/11	SW8260B	U
Surrogate: Bromofluorobenzene	*103 %*	*75-120*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Dibromofluoromethane	*107 %*	*85-115*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: 1,2-Dichloroethane-d4	*103 %*	*70-120*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	
Surrogate: Toluene-d8	*106 %*	*85-120*			*1A21031*	*01/21/11*	*01/22/11*	*SW8260B*	

Metals in Water by ICP-AES - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21003										
Blank (1A21003-BLK1)				Prepared: 01/21/2011 Analyzed: 01/24/2011						
Arsenic	ND	10.0	ug/L							
Barium	ND	40.0	ug/L							
Cadmium	ND	5.00	ug/L							
Chromium	ND	10.0	ug/L							
Lead	ND	3.00	ug/L							
Selenium	ND	5.00	ug/L							
Silver	ND	3.00	ug/L							
LCS (1A21003-BS1)				Prepared: 01/21/2011 Analyzed: 01/24/2011						
Arsenic	243.7	10.0	ug/L	250.0		97.5	80-120		20	
Barium	1961	40.0	ug/L	2000		98.0	80-120		20	
Cadmium	127.6	5.00	ug/L	125.0		102	80-120		20	
Chromium	201.4	10.0	ug/L	200.0		101	80-120		20	
Lead	248.2	3.00	ug/L	250.0		99.3	80-120		20	
Selenium	238.6	5.00	ug/L	250.0		95.4	80-120		20	
Silver	242.5	3.00	ug/L	250.0		97.0	80-120		20	
Matrix Spike (1A21003-MS1)	**Source: 1101058-02**			Prepared: 01/21/2011 Analyzed: 01/24/2011						
Arsenic	258.0	10.0	ug/L	250.0	7.409	100	80-120		20	
Barium	2021	40.0	ug/L	2000	107.6	95.7	80-120		20	
Cadmium	128.6	5.00	ug/L	125.0	ND	103	80-120		20	
Chromium	185.4	10.0	ug/L	200.0	ND	92.7	80-120		20	
Lead	239.6	3.00	ug/L	250.0	ND	95.8	80-120		20	
Selenium	240.2	5.00	ug/L	250.0	ND	96.1	80-120		20	
Silver	248.9	3.00	ug/L	250.0	ND	99.6	80-120		20	
Matrix Spike (1A21003-MS2)	**Source: 1101059-02**			Prepared: 01/21/2011 Analyzed: 01/24/2011						
Arsenic	243.3	10.0	ug/L	250.0	3.266	96.0	80-120		20	
Barium	2042	40.0	ug/L	2000	156.6	94.3	80-120		20	
Cadmium	126.6	5.00	ug/L	125.0	ND	101	80-120		20	
Chromium	195.3	10.0	ug/L	200.0	ND	97.7	80-120		20	
Lead	243.2	3.00	ug/L	250.0	1.802	96.6	80-120		20	
Selenium	233.0	5.00	ug/L	250.0	ND	93.2	80-120		20	
Silver	240.6	3.00	ug/L	250.0	ND	96.2	80-120		20	

Metals in Water by ICP-AES - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21003										
Matrix Spike Dup (1A21003-MSD1)	**Source: 1101058-02**		Prepared: 01/21/2011 Analyzed: 01/24/2011							
Arsenic	254.2	10.0	ug/L	250.0	7.409	98.7	80-120	1.48	20	
Barium	2000	40.0	ug/L	2000	107.6	94.6	80-120	1.02	20	
Cadmium	128.3	5.00	ug/L	125.0	ND	103	80-120	0.218	20	
Chromium	193.6	10.0	ug/L	200.0	ND	96.8	80-120	4.32	20	
Lead	240.9	3.00	ug/L	250.0	ND	96.4	80-120	0.549	20	
Selenium	241.8	5.00	ug/L	250.0	ND	96.7	80-120	0.697	20	
Silver	243.3	3.00	ug/L	250.0	ND	97.3	80-120	2.27	20	
Matrix Spike Dup (1A21003-MSD2)	**Source: 1101059-02**		Prepared: 01/21/2011 Analyzed: 01/24/2011							
Arsenic	248.5	10.0	ug/L	250.0	3.266	98.1	80-120	2.12	20	
Barium	2092	40.0	ug/L	2000	156.6	96.8	80-120	2.40	20	
Cadmium	129.3	5.00	ug/L	125.0	ND	103	80-120	2.11	20	
Chromium	204.2	10.0	ug/L	200.0	ND	102	80-120	4.43	20	
Lead	248.4	3.00	ug/L	250.0	1.802	98.6	80-120	2.09	20	
Selenium	238.0	5.00	ug/L	250.0	ND	95.2	80-120	2.12	20	
Silver	243.2	3.00	ug/L	250.0	ND	97.3	80-120	1.10	20	

Mercury by CVAA - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21018										
Blank (1A21018-BLK2)				Prepared: 01/21/2011 Analyzed: 01/25/2011						
Mercury	ND	0.200	ug/L							
LCS (1A21018-BS2)				Prepared: 01/21/2011 Analyzed: 01/25/2011						
Mercury	1.924	0.200	ug/L	2.000		96.2	80-120			
Matrix Spike (1A21018-MS1)	**Source: 1101063-06**			Prepared: 01/21/2011 Analyzed: 01/25/2011						
Mercury	1.180	0.200	ug/L	2.000	ND	59.0	80-120			
Matrix Spike Dup (1A21018-MSD1)	**Source: 1101063-06**			Prepared: 01/21/2011 Analyzed: 01/25/2011						
Mercury	1.118	0.200	ug/L	2.000	ND	55.9	80-120	5.39	20	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21031										
Blank (1A21031-BLK1)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
Acetone	ND	10.0	ug/L							
Benzene	ND	1.00	ug/L							
Bromodichloromethane	ND	1.00	ug/L							
Bromoform	ND	1.00	ug/L							
Bromomethane	ND	2.00	ug/L							
n-Butylbenzene	ND	1.00	ug/L							
2-Butanone	ND	10.0	ug/L							
Carbon disulfide	ND	1.00	ug/L							
Carbon tetrachloride	ND	1.00	ug/L							
Chlorobenzene	ND	1.00	ug/L							
Chloroethane	ND	2.00	ug/L							
Chloroform	ND	1.00	ug/L							
Chloromethane	ND	2.00	ug/L							
Cyclohexane	ND	2.00	ug/L							
Dibromochloromethane	ND	1.00	ug/L							
1,2-Dibromo-3-chloropropane	ND	2.00	ug/L							
1,2-Dibromoethane (EDB)	ND	1.00	ug/L							
1,2-Dichlorobenzene	ND	1.00	ug/L							
1,3-Dichlorobenzene	ND	1.00	ug/L							
1,4-Dichlorobenzene	ND	1.00	ug/L							
Dichlorodifluoromethane	ND	2.00	ug/L							
1,1-Dichloroethane	ND	1.00	ug/L							
1,2-Dichloroethane	ND	1.00	ug/L							
1,1-Dichloroethene	ND	1.00	ug/L							
cis-1,2-Dichloroethene	ND	1.00	ug/L							
trans-1,2-Dichloroethene	ND	1.00	ug/L							
1,2-Dichloropropane	ND	1.00	ug/L							
cis-1,3-Dichloropropene	ND	1.00	ug/L							
trans-1,3-Dichloropropene	ND	1.00	ug/L							
Ethylbenzene	ND	1.00	ug/L							
Hexane	ND	1.00	ug/L							
2-Hexanone	ND	5.00	ug/L							
Isopropylbenzene	ND	1.00	ug/L							
Methylene chloride	ND	2.00	ug/L							
Methyl Acetate	ND	2.00	ug/L							
Methylcyclohexane	ND	1.00	ug/L							
Naphthalene	ND	1.00	ug/L							
4-Methyl-2-pentanone	ND	5.00	ug/L							
Methyl t-Butyl Ether	ND	1.00	ug/L							
n-Propylbenzene	ND	1.00	ug/L							
Styrene	ND	1.00	ug/L							
1,1,2,2-Tetrachloroethane	ND	1.00	ug/L							
Tetrachloroethene	ND	1.00	ug/L							
Toluene	ND	1.00	ug/L							
1,2,4-Trichlorobenzene	ND	1.00	ug/L							
1,1,2-Trichloroethane	ND	1.00	ug/L							

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21031										
Blank (1A21031-BLK1)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
1,1,1-Trichloroethane	ND	1.00	ug/L							
Trichloroethene	ND	1.00	ug/L							
Trichlorofluoromethane	ND	2.00	ug/L							
1,3,5-Trimethylbenzene	ND	1.00	ug/L							
1,2,4-Trimethylbenzene	ND	1.00	ug/L							
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.00	ug/L							
Vinyl chloride	ND	2.00	ug/L							
Xylenes (total)	ND	1.00	ug/L							
Surrogate: Bromofluorobenzene	*29.95*		*ug/L*	*30.00*		*99.8*	*75-120*			
Surrogate: Dibromofluoromethane	*30.75*		*ug/L*	*30.00*		*102*	*85-115*			
Surrogate: 1,2-Dichloroethane-d4	*31.92*		*ug/L*	*30.00*		*106*	*70-120*			
Surrogate: Toluene-d8	*31.22*		*ug/L*	*30.00*		*104*	*85-120*			
LCS (1A21031-BS1)				Prepared & Analyzed: 01/21/2011						
Acetone	133	10.0	ug/L	100.0		133	40-140		30	
Benzene	50.2	1.00	ug/L	50.00		100	80-120		30	
Bromodichloromethane	54.4	1.00	ug/L	50.00		109	75-120		30	
Bromoform	43.1	1.00	ug/L	50.00		86.2	70-130		30	
Bromomethane	39.1	2.00	ug/L	50.00		78.2	30-145		30	
n-Butylbenzene	49.2	1.00	ug/L	50.00		98.5	70-135		30	
2-Butanone	102	10.0	ug/L	100.0		102	30-150		30	
Carbon disulfide	53.0	1.00	ug/L	50.00		106	35-160		30	
Carbon tetrachloride	47.7	1.00	ug/L	50.00		95.4	65-140		30	
Chlorobenzene	47.9	1.00	ug/L	50.00		95.8	80-120		30	
Chloroethane	50.4	2.00	ug/L	50.00		101	60-135		30	
Chloroform	49.7	1.00	ug/L	50.00		99.3	65-135		30	
Chloromethane	49.8	2.00	ug/L	50.00		99.7	40-125		30	
Cyclohexane	58.4	2.00	ug/L	50.00		117	60-130		30	
Dibromochloromethane	47.8	1.00	ug/L	50.00		95.6	60-135		30	
1,2-Dibromo-3-chloropropane	39.4	2.00	ug/L	50.00		78.7	50-130		30	
1,2-Dibromoethane (EDB)	50.4	1.00	ug/L	50.00		101	80-120		30	
1,2-Dichlorobenzene	46.7	1.00	ug/L	50.00		93.5	70-120		30	
1,3-Dichlorobenzene	45.7	1.00	ug/L	50.00		91.4	75-125		30	
1,4-Dichlorobenzene	43.4	1.00	ug/L	50.00		86.7	75-125		30	
Dichlorodifluoromethane	63.5	2.00	ug/L	50.00		127	30-155		30	
1,1-Dichloroethane	50.3	1.00	ug/L	50.00		101	70-135		30	
1,2-Dichloroethane	48.8	1.00	ug/L	50.00		97.7	70-130		30	
1,1-Dichloroethene	53.5	1.00	ug/L	50.00		107	70-130		30	
cis-1,2-Dichloroethene	50.0	1.00	ug/L	50.00		99.9	70-125		30	
trans-1,2-Dichloroethene	48.3	1.00	ug/L	50.00		96.6	60-140		30	
1,2-Dichloropropane	50.4	1.00	ug/L	50.00		101	75-125		30	
cis-1,3-Dichloropropene	44.4	1.00	ug/L	50.00		88.8	70-130		30	
trans-1,3-Dichloropropene	52.4	1.00	ug/L	50.00		105	55-140		30	
Ethylbenzene	51.3	1.00	ug/L	50.00		103	75-125		30	
Hexane	ND	1.00	ug/L				50-150		30	
2-Hexanone	99.2	5.00	ug/L	100.0		99.2	55-130		30	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21031										
LCS (1A21031-BS1)				Prepared & Analyzed: 01/21/2011						
Isopropylbenzene	55.9	1.00	ug/L	50.00		112	75-125		30	
Methylene chloride	47.8	2.00	ug/L	50.00		95.6	55-140		30	
Methyl Acetate	49.0	2.00	ug/L	50.00		98.0	55-150		30	
Methylcyclohexane	56.2	1.00	ug/L	50.00		112	60-125		30	
Naphthalene	41.9	1.00	ug/L	50.00		83.8	55-140		30	
4-Methyl-2-pentanone	95.8	5.00	ug/L	100.0		95.8	60-135		30	
Methyl t-Butyl Ether	110	1.00	ug/L	100.0		110	65-125		30	
n-Propylbenzene	53.5	1.00	ug/L	50.00		107	70-130		30	
Styrene	54.4	1.00	ug/L	50.00		109	65-135		30	
1,1,2,2-Tetrachloroethane	51.6	1.00	ug/L	50.00		103	65-130		30	
Tetrachloroethene	46.0	1.00	ug/L	50.00		92.0	45-150		30	
Toluene	49.1	1.00	ug/L	50.00		98.3	75-120		30	
1,2,4-Trichlorobenzene	44.0	1.00	ug/L	50.00		87.9	65-135		30	
1,1,2-Trichloroethane	49.4	1.00	ug/L	50.00		98.9	75-125		30	
1,1,1-Trichloroethane	50.4	1.00	ug/L	50.00		101	65-130		30	
Trichloroethene	49.4	1.00	ug/L	50.00		98.8	70-125		30	
Trichlorofluoromethane	52.5	2.00	ug/L	50.00		105	60-145		30	
1,3,5-Trimethylbenzene	52.2	1.00	ug/L	50.00		104	75-130		30	
1,2,4-Trimethylbenzene	54.0	1.00	ug/L	50.00		108	75-130		30	
1,1,2-Trichloro-1,2,2-trifluoroethane	55.5	1.00	ug/L	50.00		111	60-130		30	
Vinyl chloride	50.4	2.00	ug/L	50.00		101	50-145		30	
Xylenes (total)	155	1.00	ug/L	150.0		103	75-130		30	
Surrogate: Bromofluorobenzene	*31.58*		*ug/L*	*30.00*		*105*	*75-120*			
Surrogate: Dibromofluoromethane	*29.15*		*ug/L*	*30.00*		*97.2*	*85-115*			
Surrogate: 1,2-Dichloroethane-d4	*28.50*		*ug/L*	*30.00*		*95.0*	*70-120*			
Surrogate: Toluene-d8	*29.53*		*ug/L*	*30.00*		*98.4*	*85-120*			
LCS (1A21031-BS2)				Prepared & Analyzed: 01/21/2011						
Acetone	ND	10.0	ug/L				40-140		30	
Benzene	ND	1.00	ug/L				80-120		30	
Bromodichloromethane	ND	1.00	ug/L				75-120		30	
Bromoform	ND	1.00	ug/L				70-130		30	
Bromomethane	ND	2.00	ug/L				30-145		30	
n-Butylbenzene	ND	1.00	ug/L				70-135		30	
2-Butanone	ND	10.0	ug/L	100.0			30-150		30	
Carbon disulfide	ND	1.00	ug/L				35-160		30	
Carbon tetrachloride	ND	1.00	ug/L				65-140		30	
Chlorobenzene	ND	1.00	ug/L				80-120		30	
Chloroethane	ND	2.00	ug/L				60-135		30	
Chloroform	ND	1.00	ug/L				65-135		30	
Chloromethane	ND	2.00	ug/L				40-125		30	
Cyclohexane	ND	2.00	ug/L				60-130		30	
Dibromochloromethane	ND	1.00	ug/L				60-135		30	
1,2-Dibromo-3-chloropropane	ND	2.00	ug/L				50-130		30	
1,2-Dibromoethane (EDB)	ND	1.00	ug/L				80-120		30	
1,2-Dichlorobenzene	ND	1.00	ug/L				70-120		30	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21031										
LCS (1A21031-BS2)				Prepared & Analyzed: 01/21/2011						
1,3-Dichlorobenzene	ND	1.00	ug/L				75-125		30	
1,4-Dichlorobenzene	ND	1.00	ug/L				75-125		30	
Dichlorodifluoromethane	ND	2.00	ug/L				30-155		30	
1,1-Dichloroethane	ND	1.00	ug/L				70-135		30	
1,2-Dichloroethane	ND	1.00	ug/L				70-130		30	
1,1-Dichloroethene	ND	1.00	ug/L				70-130		30	
cis-1,2-Dichloroethene	ND	1.00	ug/L				70-125		30	
trans-1,2-Dichloroethene	ND	1.00	ug/L				60-140		30	
1,2-Dichloropropane	ND	1.00	ug/L				75-125		30	
cis-1,3-Dichloropropene	ND	1.00	ug/L				70-130		30	
trans-1,3-Dichloropropene	ND	1.00	ug/L				55-140		30	
Ethylbenzene	ND	1.00	ug/L				75-125		30	
Hexane	133	1.00	ug/L	50.05		265	50-150		30	
2-Hexanone	ND	5.00	ug/L				55-130		30	
Isopropylbenzene	ND	1.00	ug/L				75-125		30	
Methylene chloride	ND	2.00	ug/L				55-140		30	
Methyl Acetate	ND	2.00	ug/L				55-150		30	
Methylcyclohexane	ND	1.00	ug/L				60-125		30	
Naphthalene	ND	1.00	ug/L				55-140		30	
4-Methyl-2-pentanone	ND	5.00	ug/L				60-135		30	
Methyl t-Butyl Ether	ND	1.00	ug/L				65-125		30	
n-Propylbenzene	ND	1.00	ug/L				70-130		30	
Styrene	ND	1.00	ug/L				65-135		30	
1,1,2,2-Tetrachloroethane	ND	1.00	ug/L				65-130		30	
Tetrachloroethene	ND	1.00	ug/L				45-150		30	
Toluene	ND	1.00	ug/L				75-120		30	
1,2,4-Trichlorobenzene	ND	1.00	ug/L				65-135		30	
1,1,2-Trichloroethane	ND	1.00	ug/L				75-125		30	
1,1,1-Trichloroethane	ND	1.00	ug/L				65-130		30	
Trichloroethene	ND	1.00	ug/L				70-125		30	
Trichlorofluoromethane	ND	2.00	ug/L				60-145		30	
1,3,5-Trimethylbenzene	ND	1.00	ug/L				75-130		30	
1,2,4-Trimethylbenzene	ND	1.00	ug/L				75-130		30	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.00	ug/L				60-130		30	
Vinyl chloride	ND	2.00	ug/L				50-145		30	
Xylenes (total)	ND	1.00	ug/L				75-130		30	
Surrogate: Bromofluorobenzene	*29.59*		*ug/L*	*30.00*		*98.6*	*75-120*			
Surrogate: Dibromofluoromethane	*31.46*		*ug/L*	*30.00*		*105*	*85-115*			
Surrogate: 1,2-Dichloroethane-d4	*30.17*		*ug/L*	*30.00*		*101*	*70-120*			
Surrogate: Toluene-d8	*30.53*		*ug/L*	*30.00*		*102*	*85-120*			

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21031										
LCS Dup (1A21031-BSD1)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
Acetone	125	10.0	ug/L	100.0		125	40-140	6.51	30	
Benzene	56.3	1.00	ug/L	50.00		113	80-120	11.6	30	
Bromodichloromethane	58.3	1.00	ug/L	50.00		117	75-120	6.87	30	
Bromoform	41.8	1.00	ug/L	50.00		83.6	70-130	3.02	30	
Bromomethane	44.5	2.00	ug/L	50.00		89.0	30-145	12.8	30	
n-Butylbenzene	52.5	1.00	ug/L	50.00		105	70-135	6.42	30	
2-Butanone	101	10.0	ug/L	100.0		101	30-150	0.756	30	
Carbon disulfide	57.5	1.00	ug/L	50.00		115	35-160	8.11	30	
Carbon tetrachloride	47.8	1.00	ug/L	50.00		95.5	65-140	0.120	30	
Chlorobenzene	50.8	1.00	ug/L	50.00		102	80-120	5.76	30	
Chloroethane	57.6	2.00	ug/L	50.00		115	60-135	13.3	30	
Chloroform	54.2	1.00	ug/L	50.00		108	65-135	8.71	30	
Chloromethane	59.0	2.00	ug/L	50.00		118	40-125	16.8	30	
Cyclohexane	59.8	2.00	ug/L	50.00		120	60-130	2.39	30	
Dibromochloromethane	47.6	1.00	ug/L	50.00		95.2	60-135	0.441	30	
1,2-Dibromo-3-chloropropane	41.9	2.00	ug/L	50.00		83.7	50-130	6.17	30	
1,2-Dibromoethane (EDB)	54.7	1.00	ug/L	50.00		109	80-120	8.15	30	
1,2-Dichlorobenzene	50.0	1.00	ug/L	50.00		100	70-120	6.74	30	
1,3-Dichlorobenzene	48.7	1.00	ug/L	50.00		97.5	75-125	6.41	30	
1,4-Dichlorobenzene	47.2	1.00	ug/L	50.00		94.5	75-125	8.59	30	
Dichlorodifluoromethane	71.6	2.00	ug/L	50.00		143	30-155	12.0	30	
1,1-Dichloroethane	54.6	1.00	ug/L	50.00		109	70-135	8.25	30	
1,2-Dichloroethane	53.8	1.00	ug/L	50.00		108	70-130	9.64	30	
1,1-Dichloroethene	58.2	1.00	ug/L	50.00		116	70-130	8.25	30	
cis-1,2-Dichloroethene	54.3	1.00	ug/L	50.00		109	70-125	8.25	30	
trans-1,2-Dichloroethene	51.9	1.00	ug/L	50.00		104	60-140	7.18	30	
1,2-Dichloropropane	55.3	1.00	ug/L	50.00		111	75-125	9.25	30	
cis-1,3-Dichloropropene	46.1	1.00	ug/L	50.00		92.2	70-130	3.71	30	
trans-1,3-Dichloropropene	52.3	1.00	ug/L	50.00		105	55-140	0.151	30	
Ethylbenzene	54.3	1.00	ug/L	50.00		109	75-125	5.78	30	
Hexane	ND	1.00	ug/L				50-150		30	
2-Hexanone	99.0	5.00	ug/L	100.0		99.0	55-130	0.154	30	
Isopropylbenzene	58.0	1.00	ug/L	50.00		116	75-125	3.74	30	
Methylene chloride	51.2	2.00	ug/L	50.00		102	55-140	6.97	30	
Methyl Acetate	53.0	2.00	ug/L	50.00		106	55-150	7.88	30	
Methylcyclohexane	55.1	1.00	ug/L	50.00		110	60-125	1.91	30	
Naphthalene	47.0	1.00	ug/L	50.00		93.9	55-140	11.4	30	
4-Methyl-2-pentanone	107	5.00	ug/L	100.0		107	60-135	11.3	30	
Methyl t-Butyl Ether	115	1.00	ug/L	100.0		115	65-125	4.69	30	
n-Propylbenzene	56.8	1.00	ug/L	50.00		114	70-130	5.92	30	
Styrene	58.2	1.00	ug/L	50.00		116	65-135	6.62	30	
1,1,2,2-Tetrachloroethane	52.8	1.00	ug/L	50.00		106	65-130	2.38	30	
Tetrachloroethene	50.0	1.00	ug/L	50.00		100	45-150	8.26	30	
Toluene	50.7	1.00	ug/L	50.00		101	75-120	3.20	30	
1,2,4-Trichlorobenzene	46.8	1.00	ug/L	50.00		93.6	65-135	6.24	30	
1,1,2-Trichloroethane	51.7	1.00	ug/L	50.00		103	75-125	4.53	30	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21031										
LCS Dup (1A21031-BSD1)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
1,1,1-Trichloroethane	53.1	1.00	ug/L	50.00		106	65-130	5.11	30	
Trichloroethene	52.8	1.00	ug/L	50.00		106	70-125	6.67	30	
Trichlorofluoromethane	55.6	2.00	ug/L	50.00		111	60-145	5.74	30	
1,3,5-Trimethylbenzene	55.5	1.00	ug/L	50.00		111	75-130	6.11	30	
1,2,4-Trimethylbenzene	58.1	1.00	ug/L	50.00		116	75-130	7.35	30	
1,1,2-Trichloro-1,2,2-trifluoroethane	57.3	1.00	ug/L	50.00		115	60-130	3.07	30	
Vinyl chloride	57.0	2.00	ug/L	50.00		114	50-145	12.3	30	
Xylenes (total)	167	1.00	ug/L	150.0		111	75-130	7.50	30	
Surrogate: Bromofluorobenzene	*30.39*		*ug/L*	*30.00*		*101*	*75-120*			
Surrogate: Dibromofluoromethane	*31.04*		*ug/L*	*30.00*		*103*	*85-115*			
Surrogate: 1,2-Dichloroethane-d4	*29.72*		*ug/L*	*30.00*		*99.1*	*70-120*			
Surrogate: Toluene-d8	*29.23*		*ug/L*	*30.00*		*97.4*	*85-120*			
LCS Dup (1A21031-BSD2)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
Acetone	ND	10.0	ug/L				40-140		30	
Benzene	ND	1.00	ug/L				80-120		30	
Bromodichloromethane	ND	1.00	ug/L				75-120		30	
Bromoform	ND	1.00	ug/L				70-130		30	
Bromomethane	ND	2.00	ug/L				30-145		30	
n-Butylbenzene	ND	1.00	ug/L				70-135		30	
2-Butanone	ND	10.0	ug/L	100.0			30-150		30	
Carbon disulfide	ND	1.00	ug/L				35-160		30	
Carbon tetrachloride	ND	1.00	ug/L				65-140		30	
Chlorobenzene	ND	1.00	ug/L				80-120		30	
Chloroethane	ND	2.00	ug/L				60-135		30	
Chloroform	ND	1.00	ug/L				65-135		30	
Chloromethane	ND	2.00	ug/L				40-125		30	
Cyclohexane	ND	2.00	ug/L				60-130		30	
Dibromochloromethane	ND	1.00	ug/L				60-135		30	
1,2-Dibromo-3-chloropropane	ND	2.00	ug/L				50-130		30	
1,2-Dibromoethane (EDB)	ND	1.00	ug/L				80-120		30	
1,2-Dichlorobenzene	ND	1.00	ug/L				70-120		30	
1,3-Dichlorobenzene	ND	1.00	ug/L				75-125		30	
1,4-Dichlorobenzene	ND	1.00	ug/L				75-125		30	
Dichlorodifluoromethane	ND	2.00	ug/L				30-155		30	
1,1-Dichloroethane	ND	1.00	ug/L				70-135		30	
1,2-Dichloroethane	ND	1.00	ug/L				70-130		30	
1,1-Dichloroethene	ND	1.00	ug/L				70-130		30	
cis-1,2-Dichloroethene	ND	1.00	ug/L				70-125		30	
trans-1,2-Dichloroethene	ND	1.00	ug/L				60-140		30	
1,2-Dichloropropane	ND	1.00	ug/L				75-125		30	
cis-1,3-Dichloropropene	ND	1.00	ug/L				70-130		30	
trans-1,3-Dichloropropene	ND	1.00	ug/L				55-140		30	
Ethylbenzene	ND	1.00	ug/L				75-125		30	
Hexane	116	1.00	ug/L	50.05		231	50-150	13.6	30	
2-Hexanone	ND	5.00	ug/L				55-130		30	

Volatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A21031										
LCS Dup (1A21031-BSD2)				Prepared: 01/21/2011 Analyzed: 01/22/2011						
Isopropylbenzene	ND	1.00	ug/L				75-125		30	
Methylene chloride	ND	2.00	ug/L				55-140		30	
Methyl Acetate	ND	2.00	ug/L				55-150		30	
Methylcyclohexane	ND	1.00	ug/L				60-125		30	
Naphthalene	ND	1.00	ug/L				55-140		30	
4-Methyl-2-pentanone	ND	5.00	ug/L				60-135		30	
Methyl t-Butyl Ether	ND	1.00	ug/L				65-125		30	
n-Propylbenzene	ND	1.00	ug/L				70-130		30	
Styrene	ND	1.00	ug/L				65-135		30	
1,1,2,2-Tetrachloroethane	ND	1.00	ug/L				65-130		30	
Tetrachloroethene	ND	1.00	ug/L				45-150		30	
Toluene	ND	1.00	ug/L				75-120		30	
1,2,4-Trichlorobenzene	ND	1.00	ug/L				65-135		30	
1,1,2-Trichloroethane	ND	1.00	ug/L				75-125		30	
1,1,1-Trichloroethane	ND	1.00	ug/L				65-130		30	
Trichloroethene	ND	1.00	ug/L				70-125		30	
Trichlorofluoromethane	ND	2.00	ug/L				60-145		30	
1,3,5-Trimethylbenzene	ND	1.00	ug/L				75-130		30	
1,2,4-Trimethylbenzene	ND	1.00	ug/L				75-130		30	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.00	ug/L				60-130		30	
Vinyl chloride	ND	2.00	ug/L				50-145		30	
Xylenes (total)	ND	1.00	ug/L				75-130		30	
Surrogate: Bromofluorobenzene	*31.10*		*ug/L*	*30.00*		*104*	*75-120*			
Surrogate: Dibromofluoromethane	*31.66*		*ug/L*	*30.00*		*106*	*85-115*			
Surrogate: 1,2-Dichloroethane-d4	*30.93*		*ug/L*	*30.00*		*103*	*70-120*			
Surrogate: Toluene-d8	*31.01*		*ug/L*	*30.00*		*103*	*85-120*			

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19009										
Blank (1A19009-BLK1)				Prepared: 01/19/2011 Analyzed: 01/25/2011						
Acenaphthene	ND	5.00	ug/L							
Acenaphthylene	ND	5.00	ug/L							
Anthracene	ND	5.00	ug/L							
Benzo(a)anthracene	ND	5.00	ug/L							
Benzo(a)pyrene	ND	5.00	ug/L							
Benzo(b)fluoranthene	ND	5.00	ug/L							
Benzo(g,h,i)perylene	ND	5.00	ug/L							
Benzoic acid	ND	50.0	ug/L							
Benzo(k)fluoranthene	ND	5.00	ug/L							
4-Bromophenyl-phenylether	ND	5.00	ug/L							
Butylbenzylphthalate	ND	5.00	ug/L							
4-Chloro-3-methylphenol	ND	5.00	ug/L							
4-Chloroaniline	ND	5.00	ug/L							
Bis(2-chloroethoxy)methane	ND	5.00	ug/L							
Bis(2-chloroethyl)ether	ND	5.00	ug/L							
2,2'-Oxybis-1-chloropropane	ND	5.00	ug/L							
2-Chloronaphthalene	ND	5.00	ug/L							
2-Chlorophenol	ND	5.00	ug/L							
4-Chlorophenyl phenyl ether	ND	5.00	ug/L							
Chrysene	ND	5.00	ug/L							
Dibenz(a,h)anthracene	ND	5.00	ug/L							
Dibenzofuran	ND	5.00	ug/L							
Di-n-butylphthalate	ND	5.00	ug/L							
3,3'-Dichlorobenzidine	ND	5.00	ug/L							
2,4-Dichlorophenol	ND	5.00	ug/L							
Diethylphthalate	ND	5.00	ug/L							
2,4-Dimethylphenol	ND	20.0	ug/L							
Dimethyl phthalate	ND	5.00	ug/L							
4,6-Dinitro-2-methylphenol	ND	20.0	ug/L							
2,4-Dinitrophenol	ND	50.0	ug/L							
2,4-Dinitrotoluene	ND	5.00	ug/L							
2,6-Dinitrotoluene	ND	5.00	ug/L							
Di-n-octylphthalate	ND	5.00	ug/L							
Bis(2-ethylhexyl)phthalate	ND	5.00	ug/L							
Fluoranthene	ND	5.00	ug/L							
Fluorene	ND	5.00	ug/L							
Hexachlorobenzene	ND	5.00	ug/L							
Hexachlorobutadiene	ND	5.00	ug/L							
Hexachlorocyclopentadiene	ND	5.00	ug/L							
Hexachloroethane	ND	5.00	ug/L							
Indeno(1,2,3-cd)pyrene	ND	5.00	ug/L							
Isophorone	ND	5.00	ug/L							
2-Methylnaphthalene	ND	5.00	ug/L							
2-Methylphenol	ND	5.00	ug/L							
4-Methylphenol	ND	5.00	ug/L							
Naphthalene	ND	5.00	ug/L							

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19009										
Blank (1A19009-BLK1)				Prepared: 01/19/2011 Analyzed: 01/25/2011						
Nitrobenzene	ND	5.00	ug/L							
4-Nitrophenol	ND	20.0	ug/L							
2-Nitrophenol	ND	5.00	ug/L							
N-Nitrosodiphenylamine	ND	5.00	ug/L							
N-Nitroso-di-n-propylamine	ND	5.00	ug/L							
Pentachlorophenol	ND	20.0	ug/L							
Phenanthrene	ND	5.00	ug/L							
Phenol	ND	5.00	ug/L							
Pyrene	ND	5.00	ug/L							
2,4,6-Trichlorophenol	ND	5.00	ug/L							
Surrogate: 2-Fluorobiphenyl	*38.77*		*ug/L*	*50.00*		*77.5*	*50-110*			
Surrogate: 2-Fluorophenol	*46.58*		*ug/L*	*100.0*		*46.6*	*20-110*			
Surrogate: Nitrobenzene-d5	*53.93*		*ug/L*	*50.00*		*108*	*40-110*			
Surrogate: Phenol-d6	*29.74*		*ug/L*	*100.0*		*29.7*	*10-110*			
Surrogate: Terphenyl-d14	*34.95*		*ug/L*	*50.00*		*69.9*	*50-135*			
Surrogate: 2,4,6-Tribromophenol	*74.75*		*ug/L*	*100.0*		*74.8*	*40-125*			
LCS (1A19009-BS1)				Prepared: 01/19/2011 Analyzed: 01/25/2011						
Acenaphthene	39.09	5.00	ug/L	50.00		78.2	45-110		30	
Acenaphthylene	36.66	5.00	ug/L	50.00		73.3	50-105		30	
Anthracene	42.16	5.00	ug/L	50.00		84.3	55-110		30	
Benzo(a)anthracene	45.28	5.00	ug/L	50.00		90.6	55-110		30	
Benzo(a)pyrene	45.60	5.00	ug/L	50.00		91.2	55-110		30	
Benzo(b)fluoranthene	46.91	5.00	ug/L	50.00		93.8	45-120		30	
Benzo(g,h,i)perylene	42.57	5.00	ug/L	50.00		85.1	40-125		30	
Benzoic acid	ND	50.0	ug/L	50.00		30.2	0-125		30	
Benzo(k)fluoranthene	46.98	5.00	ug/L	50.00		94.0	45-125		30	
4-Bromophenyl-phenylether	43.91	5.00	ug/L	50.00		87.8	50-115		30	
Butylbenzylphthalate	47.46	5.00	ug/L	50.00		94.9	45-115		30	
4-Chloro-3-methylphenol	50.01	5.00	ug/L	50.00		100	45-110		30	
4-Chloroaniline	ND	5.00	ug/L	50.00		3.21	15-110		30	
Bis(2-chloroethoxy)methane	55.13	5.00	ug/L	50.00		110	45-105		30	
Bis(2-chloroethyl)ether	50.10	5.00	ug/L	50.00		100	35-110		30	
2,2'-Oxybis-1-chloropropane	62.59	5.00	ug/L	50.00		125	25-130		30	
2-Chloronaphthalene	39.86	5.00	ug/L	50.00		79.7	50-105		30	
2-Chlorophenol	38.91	5.00	ug/L	50.00		77.8	35-105		30	
4-Chlorophenyl phenyl ether	42.13	5.00	ug/L	50.00		84.3	50-110		30	
Chrysene	38.69	5.00	ug/L	50.00		77.4	55-110		30	
Dibenz(a,h)anthracene	44.15	5.00	ug/L	50.00		88.3	40-125		30	
Dibenzofuran	39.89	5.00	ug/L	50.00		79.8	55-105		30	
Di-n-butylphthalate	47.12	5.00	ug/L	50.00		94.2	55-115		30	
3,3'-Dichlorobenzidine	33.56	5.00	ug/L	50.00		67.1	20-110		30	
2,4-Dichlorophenol	48.24	5.00	ug/L	50.00		96.5	40-110		30	
Diethylphthalate	44.55	5.00	ug/L	50.00		89.1	40-120		30	
2,4-Dimethylphenol	44.66	20.0	ug/L	50.00		89.3	30-110		30	
Dimethyl phthalate	46.40	5.00	ug/L	50.00		92.8	25-125		30	

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19009										
LCS (1A19009-BS1)				Prepared: 01/19/2011 Analyzed: 01/25/2011						
4,6-Dinitro-2-methylphenol	52.50	20.0	ug/L	50.00		105	40-130		30	
2,4-Dinitrophenol	ND	50.0	ug/L	50.00		92.0	15-140		30	
2,4-Dinitrotoluene	45.24	5.00	ug/L	50.00		90.5	50-120		30	
2,6-Dinitrotoluene	43.94	5.00	ug/L	50.00		87.9	50-115		30	
Di-n-octylphthalate	49.99	5.00	ug/L	50.00		100	35-135		30	
Bis(2-ethylhexyl)phthalate	45.67	5.00	ug/L	50.00		91.3	40-125		30	
Fluoranthene	48.98	5.00	ug/L	50.00		98.0	55-115		30	
Fluorene	38.95	5.00	ug/L	50.00		77.9	50-110		30	
Hexachlorobenzene	40.74	5.00	ug/L	50.00		81.5	50-110		30	
Hexachlorobutadiene	37.08	5.00	ug/L	50.00		74.2	25-105		30	
Hexachlorocyclopentadiene	36.17	5.00	ug/L	50.00		72.3	10-110		30	
Hexachloroethane	30.69	5.00	ug/L	50.00		61.4	30-95		30	
Indeno(1,2,3-cd)pyrene	43.88	5.00	ug/L	50.00		87.8	45-125		30	
Isophorone	54.38	5.00	ug/L	50.00		109	50-110		30	
2-Methylnaphthalene	40.80	5.00	ug/L	50.00		81.6	45-105		30	
2-Methylphenol	37.95	5.00	ug/L	50.00		75.9	40-110		30	
4-Methylphenol	34.22	5.00	ug/L	50.00		68.4	30-110		30	
Naphthalene	35.83	5.00	ug/L	50.00		71.7	40-100		30	
Nitrobenzene	54.91	5.00	ug/L	50.00		110	30-110		30	
4-Nitrophenol	ND	20.0	ug/L	50.00		39.3	0-125		30	
2-Nitrophenol	46.67	5.00	ug/L	50.00		93.3	40-115		30	
N-Nitrosodiphenylamine	30.06	5.00	ug/L	50.00		60.1	50-110		30	
N-Nitroso-di-n-propylamine	60.86	5.00	ug/L	50.00		122	35-130		30	
Pentachlorophenol	49.18	20.0	ug/L	50.00		98.4	40-115		30	
Phenanthrene	41.59	5.00	ug/L	50.00		83.2	50-115		30	
Phenol	17.06	5.00	ug/L	50.00		34.1	0-115		30	
Pyrene	46.09	5.00	ug/L	50.00		92.2	50-130		30	
2,4,6-Trichlorophenol	51.11	5.00	ug/L	50.00		102	50-115		30	
Surrogate: 2-Fluorobiphenyl	*39.55*		*ug/L*	*50.00*		*79.1*	*50-110*			
Surrogate: 2-Fluorophenol	*49.95*		*ug/L*	*100.0*		*49.9*	*20-110*			
Surrogate: Nitrobenzene-d5	*56.35*		*ug/L*	*50.00*		*113*	*40-110*			
Surrogate: Phenol-d6	*32.23*		*ug/L*	*100.0*		*32.2*	*10-110*			
Surrogate: Terphenyl-d14	*33.05*		*ug/L*	*50.00*		*66.1*	*50-135*			
Surrogate: 2,4,6-Tribromophenol	*73.31*		*ug/L*	*100.0*		*73.3*	*40-125*			

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19009										
LCS Dup (1A19009-BSD1)				Prepared: 01/19/2011 Analyzed: 01/25/2011						
Acenaphthene	39.35	5.00	ug/L	50.00		78.7	45-110	0.664	30	
Acenaphthylene	36.47	5.00	ug/L	50.00		72.9	50-105	0.498	30	
Anthracene	42.03	5.00	ug/L	50.00		84.1	55-110	0.298	30	
Benzo(a)anthracene	44.91	5.00	ug/L	50.00		89.8	55-110	0.815	30	
Benzo(a)pyrene	45.31	5.00	ug/L	50.00		90.6	55-110	0.633	30	
Benzo(b)fluoranthene	46.16	5.00	ug/L	50.00		92.3	45-120	1.61	30	
Benzo(g,h,i)perylene	40.63	5.00	ug/L	50.00		81.3	40-125	4.66	30	
Benzoic acid	ND	50.0	ug/L	50.00		26.4	0-125	13.3	30	
Benzo(k)fluoranthene	49.67	5.00	ug/L	50.00		99.3	45-125	5.57	30	
4-Bromophenyl-phenylether	44.34	5.00	ug/L	50.00		88.7	50-115	0.981	30	
Butylbenzylphthalate	47.95	5.00	ug/L	50.00		95.9	45-115	1.02	30	
4-Chloro-3-methylphenol	49.93	5.00	ug/L	50.00		99.9	45-110	0.155	30	
4-Chloroaniline	ND	5.00	ug/L	50.00		3.29	15-110	2.46	30	
Bis(2-chloroethoxy)methane	55.05	5.00	ug/L	50.00		110	45-105	0.136	30	
Bis(2-chloroethyl)ether	50.94	5.00	ug/L	50.00		102	35-110	1.67	30	
2,2'-Oxybis-1-chloropropane	64.04	5.00	ug/L	50.00		128	25-130	2.30	30	
2-Chloronaphthalene	40.56	5.00	ug/L	50.00		81.1	50-105	1.73	30	
2-Chlorophenol	40.06	5.00	ug/L	50.00		80.1	35-105	2.90	30	
4-Chlorophenyl phenyl ether	42.10	5.00	ug/L	50.00		84.2	50-110	0.0717	30	
Chrysene	38.95	5.00	ug/L	50.00		77.9	55-110	0.668	30	
Dibenz(a,h)anthracene	41.95	5.00	ug/L	50.00		83.9	40-125	5.12	30	
Dibenzofuran	39.64	5.00	ug/L	50.00		79.3	55-105	0.621	30	
Di-n-butylphthalate	45.98	5.00	ug/L	50.00		92.0	55-115	2.44	30	
3,3'-Dichlorobenzidine	31.83	5.00	ug/L	50.00		63.7	20-110	5.32	30	
2,4-Dichlorophenol	48.65	5.00	ug/L	50.00		97.3	40-110	0.860	30	
Diethylphthalate	43.76	5.00	ug/L	50.00		87.5	40-120	1.79	30	
2,4-Dimethylphenol	45.44	20.0	ug/L	50.00		90.9	30-110	1.73	30	
Dimethyl phthalate	46.03	5.00	ug/L	50.00		92.1	25-125	0.800	30	
4,6-Dinitro-2-methylphenol	50.92	20.0	ug/L	50.00		102	40-130	3.06	30	
2,4-Dinitrophenol	ND	50.0	ug/L	50.00		94.0	15-140	2.09	30	
2,4-Dinitrotoluene	44.65	5.00	ug/L	50.00		89.3	50-120	1.33	30	
2,6-Dinitrotoluene	43.56	5.00	ug/L	50.00		87.1	50-115	0.848	30	
Di-n-octylphthalate	53.11	5.00	ug/L	50.00		106	35-135	6.04	30	
Bis(2-ethylhexyl)phthalate	44.71	5.00	ug/L	50.00		89.4	40-125	2.13	30	
Fluoranthene	48.15	5.00	ug/L	50.00		96.3	55-115	1.72	30	
Fluorene	38.66	5.00	ug/L	50.00		77.3	50-110	0.763	30	
Hexachlorobenzene	39.68	5.00	ug/L	50.00		79.4	50-110	2.65	30	
Hexachlorobutadiene	38.00	5.00	ug/L	50.00		76.0	25-105	2.46	30	
Hexachlorocyclopentadiene	38.16	5.00	ug/L	50.00		76.3	10-110	5.34	30	
Hexachloroethane	32.26	5.00	ug/L	50.00		64.5	30-95	5.00	30	
Indeno(1,2,3-cd)pyrene	41.61	5.00	ug/L	50.00		83.2	45-125	5.29	30	
Isophorone	54.07	5.00	ug/L	50.00		108	50-110	0.587	30	
2-Methylnaphthalene	40.28	5.00	ug/L	50.00		80.6	45-105	1.30	30	
2-Methylphenol	38.70	5.00	ug/L	50.00		77.4	40-110	1.96	30	
4-Methylphenol	34.65	5.00	ug/L	50.00		69.3	30-110	1.23	30	
Naphthalene	36.88	5.00	ug/L	50.00		73.8	40-100	2.89	30	

Semivolatile Organic Compounds by GC/MS - Quality Control

Empirical Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1A19009										
LCS Dup (1A19009-BSD1)				Prepared: 01/19/2011 Analyzed: 01/25/2011						
Nitrobenzene	55.76	5.00	ug/L	50.00		112	30-110	1.54	30	
4-Nitrophenol	ND	20.0	ug/L	50.00		38.5	0-125	2.11	30	
2-Nitrophenol	46.18	5.00	ug/L	50.00		92.4	40-115	1.05	30	
N-Nitrosodiphenylamine	29.96	5.00	ug/L	50.00		59.9	50-110	0.342	30	
N-Nitroso-di-n-propylamine	60.97	5.00	ug/L	50.00		122	35-130	0.188	30	
Pentachlorophenol	47.80	20.0	ug/L	50.00		95.6	40-115	2.86	30	
Phenanthrene	41.29	5.00	ug/L	50.00		82.6	50-115	0.719	30	
Phenol	17.52	5.00	ug/L	50.00		35.0	0-115	2.66	30	
Pyrene	47.92	5.00	ug/L	50.00		95.8	50-130	3.88	30	
2,4,6-Trichlorophenol	51.52	5.00	ug/L	50.00		103	50-115	0.797	30	
Surrogate: 2-Fluorobiphenyl	*39.74*		*ug/L*	*50.00*		*79.5*	*50-110*			
Surrogate: 2-Fluorophenol	*50.86*		*ug/L*	*100.0*		*50.9*	*20-110*			
Surrogate: Nitrobenzene-d5	*56.44*		*ug/L*	*50.00*		*113*	*40-110*			
Surrogate: Phenol-d6	*32.92*		*ug/L*	*100.0*		*32.9*	*10-110*			
Surrogate: Terphenyl-d14	*35.78*		*ug/L*	*50.00*		*71.6*	*50-135*			
Surrogate: 2,4,6-Tribromophenol	*73.55*		*ug/L*	*100.0*		*73.6*	*40-125*			

Notes and Definitions

Y	Indicates a potential negative bias on a reported concentration due to an ICV or CCV exceeding the lower control limit on the low side.
X	Indicates a potential positive bias on a reported concentration due to an ICV or CCV exceeding the upper control limit on the high side.
U	Analyte included in the analysis, but not detected
Q	The RPD and/or percent recovery exceeded limits in the associated Blank Spike and/or Blank Spike Duplicate.
J	Detected but below the Reporting Limit/Limit of Quantitation; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

EMPIRICAL LABORATORIES, LLC - CHAIN OF CUSTODY RECORD

SHIP TO: 621 Mainstream Drive, Suite 270 ♦ Nashville, TN 37228 ♦ 615-345-1115 ♦ (fax) 615-846-5426

12016

Send Results to:
Name Joselyn Harrigan
Company Hart & Hickman
Address 2923 S. Tryon St
City Charlotte
State, Zip NC 28203
Phone 704-586-0007
Fax 704-586-0373
E-mail jharrigan@harthickman.com

Send Invoice to:
Name Cynthia Wells
Company
Address Same As
City Report to
State, Zip
Phone
Fax
E-mail Cwells@harthickman.com

Project No./Name: Rom-001 Rome Oil Mill

Sampler's (Signature): C Walters

Analysis Requirements:

Lab Use Only:

VOA Headspace	Y	(N)	NA
Field Filtered	Y	(N)	NA
Correct Containers	(Y)	N	NA
Discrepancies	Y	(N)	NA
Cust. Seals Intact	(Y)	N	NA
Containers Intact	(Y)	N	NA

Airbill #: PASH

CAR #: —

Lab Use Only Lab #	Date/Time Sampled	Sample Description	Sample Matrix	VOCs + Hexane 8260B HCL	SVOCs 8270C NONE	RCRA metals 6010C HNO3	Comments	No. of Bottles	Lab Use Only Containers/Pres.
1101063-01	1-14-11 0930	MW-1	W	✓	✓	✓		5	1CNI+1A+3JHY
-02	1100	MW-2		✓	✓	✓			
-03	1215	MW-3		✓	✓	✓			
-04	1410	MW-4		✓	✓	✓			
-05	1500	MW-5		✓	✓	✓			
-06	0900	DUP-4		✓	✓	✓			
-07		Trip Blank		✓					2JHY

Sample Kit Prep'd by: (Signature)	Date/Time	Received By: (Signature)
Relinquished by: (Signature) C Walters	Date/Time 1-17-11 0800	Received By: (Signature) [signature]
Relinquished by: (Signature) [signature]	Date/Time 1/17 15:00	Received By: (Signature)
Received for Laboratory by: (Signature) [signature]	Date/Time 1-19-11 08:05	Temperature 1.3 °C

REMARKS:

1/17
10-30

Details:
Page 1 of 1
Cooler No. 1 of 1
Date Shipped
Shipped By
Turnaround

Distribution: Original and yellow copies accompany sample shipment to laboratory; Pink retained by samplers.

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 110063 Number of Coolers: 1 of 1

Client: Hart & Hickman Project: Rome Oil Mill

Date/Time Received: 1·19·11/8:05 Date cooler(s) opened: 1·19·11

Opened By (print): Kitta Khammanivichit (signature): Kitta Khammanivichit

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered EL Courier Other: Dash

If applicable, enter airbill number here: _____

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 1·17·11 Seal Initials: ?

3. Were custody seals unbroken and intact at the date and time of arrival?	Yes	No	N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler?	Yes	No	N/A
5. Were custody papers filled out properly (ink, signed, etc.)?	Yes	No	N/A
6. Did you sign custody papers in the appropriate place for acceptance?	Yes	No	N/A
7. Was project identifiable from custody papers?	Yes	No	N/A
8. If required, was enough ice present in the cooler(s)?	Yes	No	N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 1.6 °C Correction Factor: -0.3 °C Final Value: 1.3 °C

Dates samples were logged-in: 1-19-11

9. Initial this form to acknowledge login of sample(s): (Name): Chris Donald (Initial): CP

10. Were all bottle lids intact and sealed tightly?	Yes	No	N/A
11. Did all bottles arrive unbroken?	Yes	No	N/A
12. Was all required bottle label information complete?	Yes	No	N/A
13. Did all bottle labels agree with custody papers?	Yes	No	N/A
14. Were correct containers used for the analyses indicated?	Yes	No	N/A
15. Were preservative levels correct in all applicable sample containers?	Yes	No	N/A
16. Was residual chlorine present in any applicable sample containers?	Yes	No	N/A
17. Was sufficient amount of sample sent for the analyses required?	Yes	No	N/A
18. Was headspace present in any included VOA vials?	Yes	No	N/A

pH < 2 for all metals

If Non-Conformance issues were present, list by sample ID: _____

Appendix D

Waste Disposal Manifests

Greenleaf Treatment Services
100 Waste Research Drive
Macon, GA 31206
Phone 478-788-8899 – Fax 478-788-7881

Greenleaf
ENVIRONMENTAL

Dear Valued Greenleaf Customer:

Enclosed is your original manifest from your recent waste disposal load with the following referenced work order number **77326.** The manifest number is **01161** and date of disposal is **1/25/11**. Please keep this document for your environmental records. If you have any questions, please feel free to contact us. We appreciate your business and hope we can further service all of your environmental needs.

Sincerely yours,
Daniel Nulf
Facility Manager
Greenleaf Treatment Services

Corporate Office
4943 Austin Park Ave
Buford, GA 30518

Phone- 678-714-8420
Fax- 678-714-8425

Facility
100 Waste Research Drive
Macon, GA 31206

Phone- 478-788-8899
Fax- 478-788-7881

Check out our website:
www.greenleafgroup.net

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GA CESQG	1	704-887-4612	01161

5. Generator's Name and Mailing Address: O'Neill Manufacturing, 102 Anderson Street, Rome, GA 30161
Generator's Site Address (if different than mailing address):
Generator's Phone: 704-586-0007

6. Transporter 1 Company Name: Greenleaf Treatment Services — U.S. EPA ID Number: GAR000007484

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Greenleaf Treatment Services, 100 Waste Research Drive, Macon, GA 31206
Facility's Phone: 478-788-8899
U.S. EPA ID Number: GAR000007484

9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Regulated Material, Liquid (IDW Purge & Decon Water) Approval # 14832	002	DM	110	G
2. Non-Regulated Material, Solid (IDW Soil) Approval # 14831	006	DM	4800	P
3. Non-Regulated Material, Solid (Plastic & Trash) Approval # 14833	002	DM	100 ~~600~~	P
4.			JHH 11-22-10	

13. Special Handling Instructions and Additional Information
1. IDW Water: 2 x55
2. IDW Soil: 6x55
3. Plastic & Trash: 2 x55

77326

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Eric H. Lindberg — Signature: [signature] — Month 12 Day 21 Year 10

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Julian Bond — Signature: [signature] — Month 1 Day 21 Year 11
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Rick W Caswell — Signature: [signature] — Month 1 Day 25 Year 11

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09) DESIGNATED FACILITY TO GENERATOR