

SUPPLEMENTAL ENVIRONMENTAL SITE ASSESSMENT REPORT

Former Rinker Property Site

GAINESVILLE, ALACHUA COUNTY, FLORIDA

**CONDUCTED FOR THE CITY OF GAINESVILLE UNDER
USEPA STATE RESPONSE PROGRAM COOPERATIVE AGREEMENT NO.: RP97484603**

FDEP CONTRACT NO.: HW526

Prepared for:

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE CLEANUP
BROWNFIELDS SECTION
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301**

Prepared by:

**MACTEC ENGINEERING AND CONSULTING, INC.
2533 GREER ROAD, SUITE 6
TALLAHASSEE, FLORIDA 32308**

JANUARY 2009



MACTEC

2533 Greer Road, Suite 6
Tallahassee, Florida 32308

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Gainesville, Alachua County, Florida

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1.0 INTRODUCTION

MACTEC Engineering and Consulting, Inc. (MACTEC) is pleased to submit to the Florida Department of Environmental Protection (FDEP) Brownfields Section, this Supplemental Site Assessment Report (SSAR) for the former Rinker Property site in Gainesville, Florida. The SSA was completed by MACTEC for the FDEP to assist the City of Gainesville with its efforts to redevelop the former Rinker property and the surrounding area to construct a stormwater park and a recreation area. The supplemental assessment was funded with State Response Program grant funding provided to the DEP by the Environmental Protection Agency's Brownfields program.

The purpose of the May 2008 supplemental assessment was to further evaluate the extent of soil and ground water contamination detected during Mactec's May 2006 Supplemental Site Assessment of the former Rinker property. MACTEC conducted the supplemental site assessment activities from May 27th through 30th, 2008 under FDEP Contract No.HW526, Task Assignment No.7E. The scope of work included advancing soil borings to collect soil samples and with a direct-push technology (DPT) rig and collecting groundwater samples with the DPT rig. This phase of work also included collecting soil samples on the property directly north of the Rinker site which is referred to as the northeastern Depot Avenue railroad corridor. The objectives of the SSA were:

- To determine the extent of arsenic that was detected in 13 soil samples collected during assessment activities conducted by MACTEC in May 2006,
- To delineate the extent of polynuclear aromatic hydrocarbons (PAHs) detected in two soil samples, and
- To delineate the edges of the chlorinated volatile organic compounds (CVOC) plume identified in groundwater at the site and to determine whether the source of the CVOCs is associated with the past onsite operations or offsite site sources.

During the May 2008 SSA activities, MACTEC advanced 115 soil borings to collect soil samples for arsenic analysis, four soil borings to collect soil samples for PAH analysis and nine soil boring to collect groundwater samples for analysis of volatile organic compounds (VOCs).

The following sections summarize the Phase I Supplemental Environmental Site Assessment (SESA), the scope of work for the Phase II SESA and the findings and results of the Phase II SESA.

1.1 May 2006 SESA Summary

MACTEC performed SESA activities at the former Rinker property in May 2006 and summarized the findings in a report dated December 2006. The following is a summary of the SESA field activities and the conclusions drawn from the findings of these activities.

The May 2006 SESA focused on expanding on previous assessment work conducted by Environmental Compliance and Technologies (ECT) by delineating the extent of arsenic, PAHs and recoverable petroleum hydrocarbons (TRPH) identified in vadose zone soils and CVOCs identified in groundwater. The environmental sampling was focused at locations on the west side of the maintenance building and near the former UST area where constituents of concern were identified in soil and groundwater samples during the ECT assessment. A DPT rig was utilized to advance 15 soil borings to collect soil samples for

field screening and laboratory analysis, and groundwater samples from 12 locations for analysis by mobile lab. Groundwater samples were collected from two depth intervals from each boring to characterize the horizontal and vertical extent of CVOCs. Based on the results of the mobile laboratory data, 10 monitoring wells were installed to provide permanent sample locations and to collect confirmatory groundwater samples that were analyzed by a fixed-base laboratory.

Based on the analytical results of the soil samples collected at the site, vadose zone soil samples contained arsenic at concentrations that exceeded the Soil Cleanup Target Levels (SCTL) under Chapter 62-770 Florida Administrative Code (FAC) for residential direct exposure criteria at 13 locations around the maintenance building. These locations were both outside the building to the west and underneath the building on the eastern side. All but two of these soil samples (SS-5 and SS-8) were collected from beneath the concrete slab. Based on the results, MACTEC recommended additional assessment to delineate the extent of arsenic contamination at the site.

Benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene and TRPH were detected at concentrations that exceeded their respective SCTLs for the residential direct exposure criteria and/or the leachability to groundwater criteria in a vadose zone soil sample (SS-10) collected from beneath the former storage area for oils and fluids. However, the extent of soil contamination in this area had not been delineated to the north, east and west. Benzo(a)pyrene equivalents were also detected above the SCTL for residential and industrial direct exposure criteria in soil samples SS-4 and SS-10.

Groundwater screening samples were collected in May 2006 with a DPT rig and analyzed onsite with a mobile laboratory. Based on the mobile laboratory screening data, exceedences of the Groundwater Cleanup target Levels (GCTL) per Chapter 62-770 FAC by trichloroethene (TCE) was identified and delineated to the south east and west. Twenty-four DPT groundwater samples were collected to identify the horizontal and vertical extent of TCE. Based on these results, a CVOC plume appears to originate near the north portion of the site or offsite (hydraulically upgradient) and migrate to the south. Although the leading edge of the plume was delineated to the central portion of the site, the northern edge of the CVOC plume has not been delineated and may be originating from an offsite source(s). The source area was not identified.

Ten permanent micro-wells were installed at select locations across the site. Groundwater samples were collected from the new wells and sent to a fixed-base laboratory for analysis. Based on the analytical data, the CVOC plume identified during the DPT screening was confirmed at the site. Tetrachloroethene (PCE) and TCE were detected in groundwater samples collected from micro-wells MW-3 through MW-6 at concentrations above their respective GCTLs.

PCE and TCE were also detected in soil samples collected from the site but at concentrations below their respective SCTLs. The locations where PCE or TCE were detected in soil samples are located hydraulically downgradient of the CVOC groundwater plume identified during the May 2006 DPT screening.

Groundwater contamination by CVOCs was not confirmed in the areas where it was previously detected by ECT in 2002 (sample locations HA-3, HA-4, HA-6 and MW-6). Both mobile laboratory data and fixed-laboratory data confirmed that CVOCs were no longer present in the area of the four sampling locations noted above. Cis-1,2-dichloroethene (DCE) and vinyl chloride were also detected in groundwater samples collected in 2002 at concentrations above their respective GCTLs. However, neither of the compounds was detected in groundwater samples collected during the May 2006 SESA.

It should be noted that several sites have been identified in the vicinity of the Rinker site that have known CVOC contamination or are potential sources for CVOC contamination. In April 2004, Jones, Edmunds and Associates, Inc. (JEA) submitted a Phase I Environmental Site Assessment (Phase I ESA) of South Main Street between University Avenue and Williston Road, Gainesville, Alachua County, Florida for the Alachua County Public Works Department. The Phase I ESA report indicates that 123 sites were identified on State and Federal database lists. Three of these of these sites were reported to be current or former dry cleaning business locations with confirmed or potential CVOC contamination (Rips 1 Hour Cleaners at 316 N. Main Street, S & S Cleaners at 503 SW 3rd Street and a City of Gainesville parking lot at the intersection of SW 2nd Avenue and SW 1st Street). A fourth site with CVOC contamination was listed as the 700 block of S. Main Street).

The City parking lot was reported to have dry cleaning solvents as the constituent of concern in soil and groundwater, and the 700 block S. Main Street site was reported to have benzene, TCE and vinyl chloride, but did not list the media they were detected within. These sites are located due north of the subject site, and the 700 block S. Main Street site is located across Depot Avenue just north of the Rinker site. The location of these sites is shown on Figure 1.

MACTEC's interpretation of the groundwater analytical data collected during the May 2006 SESA suggests that there is a hydraulically upgradient offsite source and possibly an onsite source of CVOCs. Groundwater flow at the subject site was generally toward the south-southeast at the time of the May 2006 SESA.

2.0 SCOPE OF WORK AND METHODOLOGY

2.1 SOIL ASSESSMENT – ARSENIC To delineate the extent of arsenic contamination in soil at the Rinker site, it was agreed upon with FDEP that the best approach would be to create a sample collection grid for the entire site. In the vicinity of the maintenance building where arsenic was previously identified at concentrations exceeding the SCTL, an area of approximately 150-foot by 150-foot area was selected to collect soil samples from a 25-foot by 25-foot sample grid. Beyond this area for the remainder of the property, arsenic samples were collected on a 50-foot by 50-foot sample grid. Sample locations are shown on Figures 4A through 4C.

During this sampling event, 361 soil samples were collected and analyzed for arsenic analyses from 115 soil boring locations. The soil samples were collected from land surface to 1-foot, 1-foot to 2-foot and from 2 to 4 feet beneath the land surface (bls) at each location. A total of 361 soil samples (including 16 duplicates) were collected for laboratory analysis. Soil samples were collected with the use of a DPT rig using a macro-core sampler. For each sample interval, the sample aliquot was composited in a stainless-steel bowl prior to filling the sample bottle in accordance with SW-846 Method 5035 protocol. The soil samples were analyzed for arsenic by U.S. Environmental Protection Agency (USEPA) Method 6010 by Test America Laboratory in Tallahassee, Florida. Samples were shipped priority overnight under standard chain-of-custody protocol.

Twenty-eight of the 115 soil borings were advanced at the eastern portion of the northern railroad spur that is located adjacent to and directly north of the Rinker site. The City is planning on constructing a hiking and bike path on the former railroad spur corridor as part of its overall plans to construct a storm water park. The rail spur soil samples were collected on an approximate 50-foot by 50-foot sample grid. Soil samples were collected from the same depth intervals as at the Rinker property. Soil sample locations are shown on Figures 5A through 5C.

MACTEC utilized a hand held Trimble GeoExplorer 2005 series GPS unit to field locate the arsenic sample locations. Prior to mobilizing to the field, MACTEC positioned the sample locations on an overlay of a Florida Department of Transportation (FDOT) aerial photograph of the site. From that photograph, the latitudinal and longitudinal coordinates (World Geographic System [WGS], 1984) were obtained and stored into the GPS unit.

In the field, MACTEC utilized the navigational feature on the GPS unit to provide real-time data to locate the sample locations within approximately 1 to 10 feet depending on the configuration of satellites at the time the readings were taken. Slight adjustments were occasionally made in the field for some sample locations using a tape measurer and visual judgment to assure the sample grid was maintained.

2.2 POLYNUCLEAR AROMATIC HYDROCARBONS – To delineate the extent of polynuclear aromatic hydrocarbons (PAHs) identified at the maintenance building during the May 2006 SESA, soil borings were advanced at and around soil borings SS-4 and SS-10 to collect soil samples for laboratory analysis. One boring (SS-16) was collected east of SS-4 and three samples were collected west (SS-17), north (SS-18) and east (SS-19) of SS-10. Soil samples were from the borings approximately 12 feet away in the specified directions. At each location, a soil sample was collected from 0 to 2 feet, 2 to 4 feet and 4 to 6 feet bls. At these locations sample aliquots for PAHs were composited in a stainless-steel bowl prior to filling the sample bottle. The soil samples collected from the maintenance area were analyzed for PAHs by USEPA Method 8270 by Test America Laboratory in Tallahassee, Florida. Soil sample locations for analysis of PAHs are shown on Figure 6.

2.3 GROUNDWATER SAMPLING A CVOC plume was identified at the site during the May 2006 SESA activities. The CVOC plume appears to exist from the northern edge of the Rinker property and extend south to and west of the maintenance building. TCE were detected in groundwater samples analyzed by the mobile laboratory and the fixed-base laboratory. PCE was also detected in a groundwater sample analyzed by the fixed-base laboratory.

Ground water samples were collected with a DPT rig to further delineate the eastern and western edges of the plume and determine if the groundwater plume is potentially originating from an offsite source to the north of the Rinker site. The groundwater sample locations were advanced around the perimeter (north, east and west) of the identified groundwater CVOC contaminant plume to characterize the horizontal and vertical extent of the plume. Groundwater sample locations are shown on Figure 7.

Nine DPT borings were advanced to collect groundwater samples at two depth intervals at each location. Based on the lithologic data collected from the May 2006 SESA activities, groundwater samples were collected at two intervals at depths ranging from approximately 6 to 17 feet bls and 20 to 28 feet bls, depending on which portion of the site the sample was collected. Eighteen groundwater samples and one duplicate sample were submitted for laboratory analysis.

The following describes the procedure for collecting the groundwater samples through the DPT rig's rods and a 4-foot long retractable stainless steel well point sample screen.

- 1) advancing the well point on sampling rods to the desired depth;
- 2) deploying the screen by retracting the sampling rods;
- 3) inserting high density polyethylene (HDPE) tubing into the sampling rods and drawing up groundwater through the tubing by the use of a peristaltic pump.

Following a short purge with a peristaltic pump, groundwater samples were collected by the reverse flow method. The groundwater samples were analyzed for VOCs by USEPA Method 8260 by Test America Laboratory in Tallahassee, Florida.

3.0 INVESTIGATIVE FINDINGS

3.1 SOIL ASSESSMENT - ARSENIC ANALYTICAL RESULTS MACTEC advanced 115 soil borings and collected 361 soil samples (including duplicates) for arsenic analyses during the SSA. The samples were collected to further evaluate the former Rinker property and the northeastern portion of the rail spur, located adjacent to and north of the Rinker property. The soil samples were collected from the 0 to 1-foot interval, 1 to 2-foot interval and the 2 to 4-foot interval. Soil analytical results for arsenic are provided in Table 1 and are summarized below.

0- to 1-foot interval – Arsenic was detected in 65 soil samples at concentrations that exceed the residential direct exposure SCTL of 2.1 milligrams per kilogram (mg/kg) at the Rinker Property and northeast rail spur site (Figure 4A and 5A). Concentrations of arsenic ranged from non-detect to 210 mg/kg. The highest concentration was detected at the Rinker property in soil sample AS-9 (210 mg/kg) which was located near the northern portion of the site. The areas where exceedences occurred most at the Rinker property appear to be at the northern portion of the site; around the former maintenance building; and south of the former building.

All but three of the 28 samples collected from the 0- to 1-foot interval along the rail eastern rail corridor contained arsenic at concentrations that exceed its residential direct exposure SCTL (Figure 5A).

Based on the plotted analytical results (Figures 4A and 5A), there does not appear to be a discernable pattern for the arsenic concentrations.

1- to 2-foot interval – Arsenic was detected in 30 soil samples at concentrations that exceeding the residential direct exposure SCTL at the Rinker Property and northeast rail spur site (Figure 4B and 5B). Concentrations of arsenic ranged from non-detect to 22 mg/kg. The highest concentration was detected in the railroad spur in soil sample AS-103 (22 mg/kg). The areas where exceedences occurred most in the 1- to 2-foot interval on the Rinker Property appear to be at the northwest corner of the site and around the former maintenance building.

The overall area where arsenic exceeds the residential direct exposure SCTL in the samples collected from the 1- to 2-foot interval on the Rinker property is significantly less than the 0- to 1-foot area. However, there are 8 locations where arsenic was detected at concentrations above the residential direct exposure SCTL in the 1- to 2-foot interval that were not detected above this SCTL in the 0- to 1-foot interval. These locations include AS-27, AS-28, AS-30, AS-34, AS-44, AS-45, AS-48 and AS-65.

At the northeast railroad corridor, the 12 of the 33 samples collected from the 1- to 2-foot interval contained arsenic at concentrations that exceed its residential direct exposure SCTL. The samples with exceedences were located throughout the northeast railroad corridor but at fewer locations than the 0- to 1-foot interval (Figure 5B).

Based on the plotted analytical results (Figures 4B and 5B), there does not appear to be a discernable pattern for the arsenic concentrations.

2- to 4-foot interval – Arsenic was detected in 20 soil samples at concentrations exceeding the residential direct exposure SCTL at the Rinker Property and northeast rail spur site (Figure 4C and 5C). Concentrations of arsenic ranged from non-detect to 16 mg/kg. The highest concentration was detected in AS-18 (16 mg/kg) which is located outside of the fence on the eastern edge of the property, northeast of the former building. The areas where exceedences occurred most in the 2- to 4-foot interval are scattered across the central portion of the property.

The overall area where arsenic exceeds the residential direct exposure SCTL in the samples collected from the 2- to 4-foot interval on the Rinker Property appears to be similar to the 1- to 2-foot area. However, there are 6 locations where arsenic was detected at concentrations above the residential direct exposure SCTL in the 2- to 4-foot interval that were not detected above the SCTL in the 1- to 2-foot interval. These locations include AS-20, AS-23, AS-29, AS-31, AS-50 and AS-69.

At the northeast railroad corridor, the 6 of the 33 samples collected from the 1- to 2-foot interval contained arsenic at concentrations that exceed its residential direct exposure SCTL. Three of these locations did not have an exceedence in the 1- to 2-foot sample interval (AS-93, AS-107 and AS-113) at the same location (Figure 5C).

Based on the plotted analytical results (Figures 4C and 5C), there does not appear to be a discernable pattern for the arsenic concentrations.

3.2 SYNTHETIC PRECIPITATION LEACHING PROCEDURE Three of the soil samples collected by MACTEC at the subject site were selected to represent high, medium and low concentrations for arsenic including AS-9 (210 mg/kg), AS-103 (40 mg/kg) and AS-101 (4.4 mg/kg). These three samples were submitted for extraction and analysis by the Synthetic Precipitation Leaching Procedure (SPLP). The extract for each SPLP sample was analyzed by USEPA Method 6010 for arsenic. The concentration of arsenic in the extract for the high, medium and low SPLP samples were 8.6 I µg/l for AS-9, 100 µg/l for AS-103 and 4.4 µg/l for AS-101.

To extrapolate a concentration to estimate a site specific leachability to groundwater concentration for arsenic in the site surficial soils, the concentration of arsenic in samples AS-101 and AS-103 were graphed with the concentration of the soil sample in mg/kg on the “X” axis and the concentration of the extract in µg/l in the “Y” axis. Based on the graph, a concentration of approximately 5.5 mg/kg would result in a concentration of 10 µg/l, which would equal the groundwater cleanup target level (GCTL) for arsenic.

However, it should be noted that the extract for the sample representing the high concentration AS-9 (210 mg/kg) contained arsenic at 8.6 µg/l. This may be due to variations in the site lithology. Based on the SPLP results for soil sample AS-9, the estimated site specific leachability to groundwater concentration of approximately 5.5 mg/kg may be a conservative value.

It should also be noted that even though numerous soil samples collected at the site exceeded this site specific leachability to groundwater value, arsenic was not detected in 11 groundwater samples collected from the site in May of 2006, indicating that leaching of arsenic to groundwater is probably not occurring.

3.3 SOIL ASSESSMENT – POLYNUCLEAR AROMATIC HYDROCARBONS MACTEC advanced four soil borings at the former maintenance building to delineate the extent of PAHs identified in soil samples collected in May 2006. One soil boring (SS-16) was advanced to the east of SS-4 which had an exceedence of benzo(a)pyrene (BaP) equivalents in the soil sample collected in May 2006.

Soil sample SS-16 (0 to 2 feet), contained benzo(a)pyrene (220 I mg/kg) and BaP equivalents (0.391 mg/kg) at concentrations that exceed their respective residential direct exposure SCTL (Table 2). The soil samples collected at location SS-16 from the 2- to 4-foot and 4- to 6-foot intervals did not contain any of the target analytes above their respective SCTLs.

Further delineation of PAHs may be necessary around soil sample SS-16 to the north, south and east in the 0 to 2-foot interval.

Three soil borings (SS-17, SS-18 and SS-19) were advanced around soil boring SS-10, which had exceedences of benzo(a)anthracene, benzo(a)pyrene, benzo(a)fluoranthene, BaP equivalents and TRPH in the sample collected in May 2006.

The soil samples collected from borings SS-17, SS-18 and SS-19 at all three depth intervals (0 to 2 feet, 2 to 4 feet and 4 to 6 feet), did not contain any of the target analytes above their respective SCTLs (Table 2).

3.3 GROUNDWATER ANALYTICAL RESULTS Groundwater samples were collected from nine DPT sample locations at the Rinker property and to the north in the eastern railroad corridor and submitted for laboratory analysis for VOCs (Figure 7). Based on the analytical results PCE and TCE were detected in 6 of the groundwater samples collected from the 9 DPT sample locations (Table 3).

PCE was detected in the following samples:

- GW-13 (24 to 28 feet bls) – 12 micrograms per liter (µg/l) – located hydraulically upgradient of Rinker property
- GW-20 (20 to 24 feet bls) – 5 µg/l – located on Rinker property

TCE was detected in the following samples:

- GW-13 (24 to 28 feet bls) – 5.7 µg/l – located hydraulically upgradient of Rinker property
- GW-15 (24 to 28 feet bls) – 4.2 µg/l – located hydraulically upgradient of Rinker property
- GW-16 (24 to 28 feet bls) – 3.1 µg/l – located hydraulically upgradient of Rinker property
- GW-17 (24 to 28 feet bls) – 4.0 µg/l – located hydraulically upgradient of Rinker property
- GW-18 (13 to 17 feet bls) – 3.4 µg/l – located hydraulically cross-gradient of Rinker property
- GW-18 (24 to 28 feet bls) – 4.5 µg/l – located hydraulically cross-gradient of Rinker property
- GW-20 (20 to 24 feet bls) – 3.1 µg/l – located on Rinker property

Based on the new analytical data, the source of the CVOC plume is unknown and the horizontal extent of the contamination has not been delineated. However, it appears that the source(s) of the CVOCs detected in the groundwater samples collected from the former Rinker property is originating from an offsite location hydraulically upgradient of the Rinker property. This is supported by the detection of PCE and or TCE in hydraulically upgradient locations in the deep sample depth interval of 24 to 28 feet bls. Further assessment hydraulically upgradient of the subject site is necessary to identify the source of the CVOCs.

4.0 CONCLUSIONS

Based on the data collected from the soil and groundwater assessment, the following conclusions and recommendations can be made.

The extent of arsenic exceeding the residential direct exposure SCTL has been delineated in soils at the former Rinker Property. Arsenic contamination may extend offsite to the east, therefore, further delineation may be necessary to the east of the Rinker property (northern portion) and north, east and west of the eastern railroad corridor. Also, there are a few random hot spots where further delineation may be necessary.

Three samples (AS-9, AS-101 and AS-103) were submitted for extraction and analysis by the SPLP. To extrapolate a concentration to estimate a site specific leachability to groundwater concentration for arsenic in the site surficial soils, the concentration of arsenic in samples AS-101 and AS-103 were graphed with the concentration of the soil sample in mg/kg on the "X" axis and the concentration of the extract in µg/l in the "Y" axis. Based on the graph, a concentration of approximately 5.5 mg/kg would result in a concentration of 10 µg/l, which would equal the GCTL for arsenic.

However, it should be noted that the extract for the sample representing the high concentration AS-9 (210 mg/kg) contained arsenic at 8.6 µg/l. This may be due to variations in the site lithology. Based on the SPLP results for soil sample AS-9, the estimated site specific leachability to groundwater concentration of approximately 5.5 mg/kg may be a conservative value.

It should also be noted that even though numerous soil samples collected at the site exceeded this site specific leachability to groundwater value, arsenic was not detected in 11 groundwater samples collected from the site in May of 2006, indicating that leaching of arsenic to groundwater is probably not occurring.

5.0 RECOMMENDATIONS

Soil sample SS-16 (0 to 2 feet), contained benzo(a)pyrene and BaP equivalents at concentrations exceeding their respective residential direct exposure SCTL. The soil samples collected at the 2 to 4-foot and 4 to 6-foot intervals did not contain target analytes above their respective SCTLs. MACTEC recommends that further assessment be conducted to the north, east and south of soil boring SS-16 to complete delineation of the benzo(a)pyrene and BaP equivalents.

The extent of groundwater contamination by CVOCs has been delineated on the Rinker property, except at the southwest edge of the plume. The plume does not appear to extend beyond the central portion of the site. In order to complete the onsite delineation, MACTEC recommends installing a micro-well in the area of SS-10 and SS-4/SS-16 and collect groundwater samples for analysis of VOCs, PAHs, TRPH and metals.

Based on the groundwater samples collected during this phase of the assessment, the source of the CVOCs appears to be migrating from an offsite, hydraulically upgradient location. Therefore, MACTEC recommends that this information be reported to the FDEP Northeast District to determine whether an offsite investigation is necessary to locate the source of the CVOC plume.

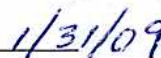
Based upon the results of the SSA, MACTEC recommends that the City of Gainesville present the findings of this assessment to the FDEP's Northeast District to determine whether the supplemental sampling recommended in this report is needed to proceed with the use of engineering and institutional controls to address the contamination at the site.

PROFESSIONAL REVIEW CERTIFICATION

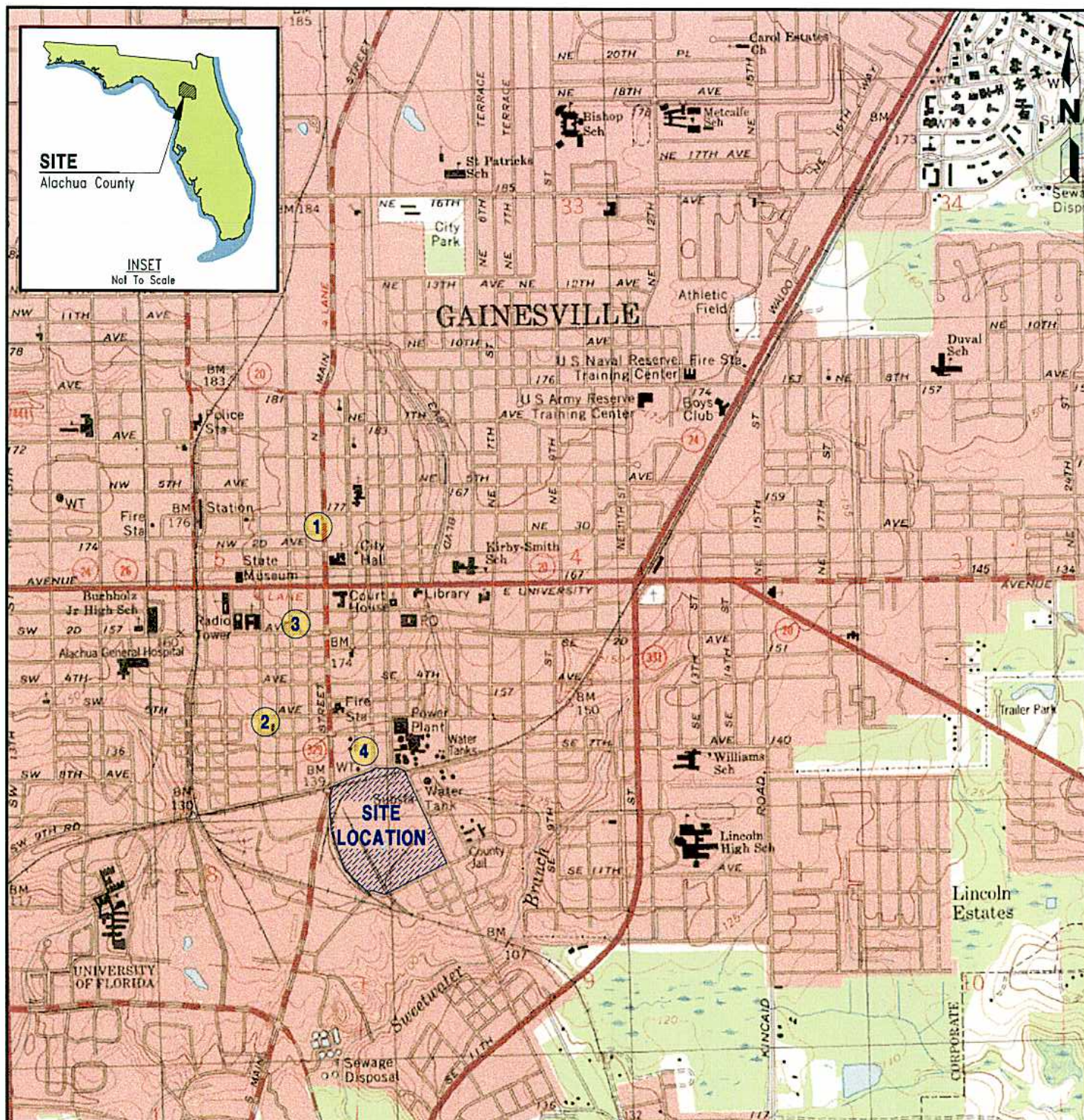
The investigation activities described in this report was conducted and the document prepared in accordance with commonly accepted procedures consistent with the applied standards of practice under the direction of the undersigned professional geologist. This report is based on the geologic investigation and associated information detailed in the text and appended to this report. If conditions are determined to exist that differ from those described, the undersigned should be notified to evaluate the effects of any additional information on the report findings. The Supplemental Environmental Site Assessment was conducted at the former Rinker Property site in Gainesville, Alachua County, Florida in accordance with Florida Department of Environmental Protection directives and U.S. Environmental Protection Agency protocol, and the report should not be construed to apply to any other site.



Ronald D. White
Professional Geologist
Florida License No.: 0002068



Date



0 1,000 2,000
SCALE: 1 INCH = 2,000 FEET

SOURCE:

USGS Quadrangle -Gainesville East
dated 1994
Maps and data Copyright 2003 Maptech

Current or Former dry cleaning locations with
reported or potential CVOC contaminations

1. Rips 1 Hour Cleaners at 316 N. Main Street
2. S&S Cleaners at 503 SW 3rd Street
3. City of Gainesville parking lot at the
intersection of SW 2nd Ave. and SW 1st Street
4. 700 block of S. Main Street

Approximate site location

Section 9, Township 10 South, Range 20 East
Latitude: 29° 38' 35.14" North
Longitude: 82° 19' 17.68" West

SITE LOCATION MAP

NO.	DATE	REVISIONS	
1	Jan-09	RTC-change titleblock	
0	Jul-08	Initial Submittal	
DESIGNED	DRAWN	CHECKED	DATE
RW	VC		
P:\CAD\CERCLA\RWINKER CEMENT\SSAR\2009-01 RTC\FIG-1.DWG, VCV-VC 01/28/09 11:00			

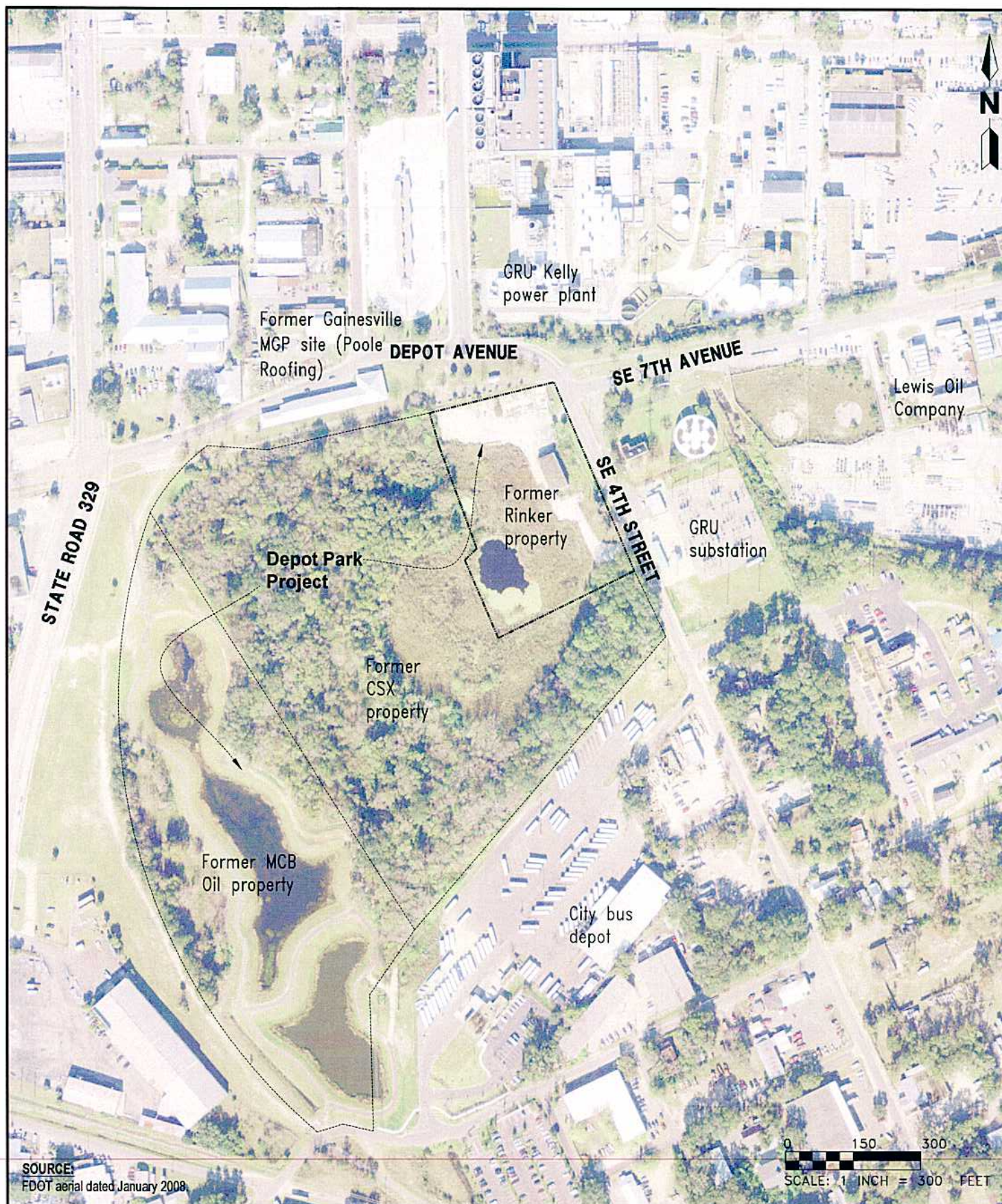
MACTEC
Engineering and Consulting, Inc.
Tallahassee, Florida
850-656-1293

FORMER RINKER PROPERTY
SUPP. ENVIRONMENTAL SITE ASSESSMENT REPORT
900 S.E. 4TH STREET
GAINESVILLE, ALACHUA COUNTY, FLORIDA

**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

FIGURE:

1



SITE VICINITY MAP

NO.	DATE	REVISIONS		
1	Jan-09	RTC-change titleblock		
0	Jul-08	Initial Submittal		
DESIGNED	DRAWN	CHECKED	DATE	
RW	VC			

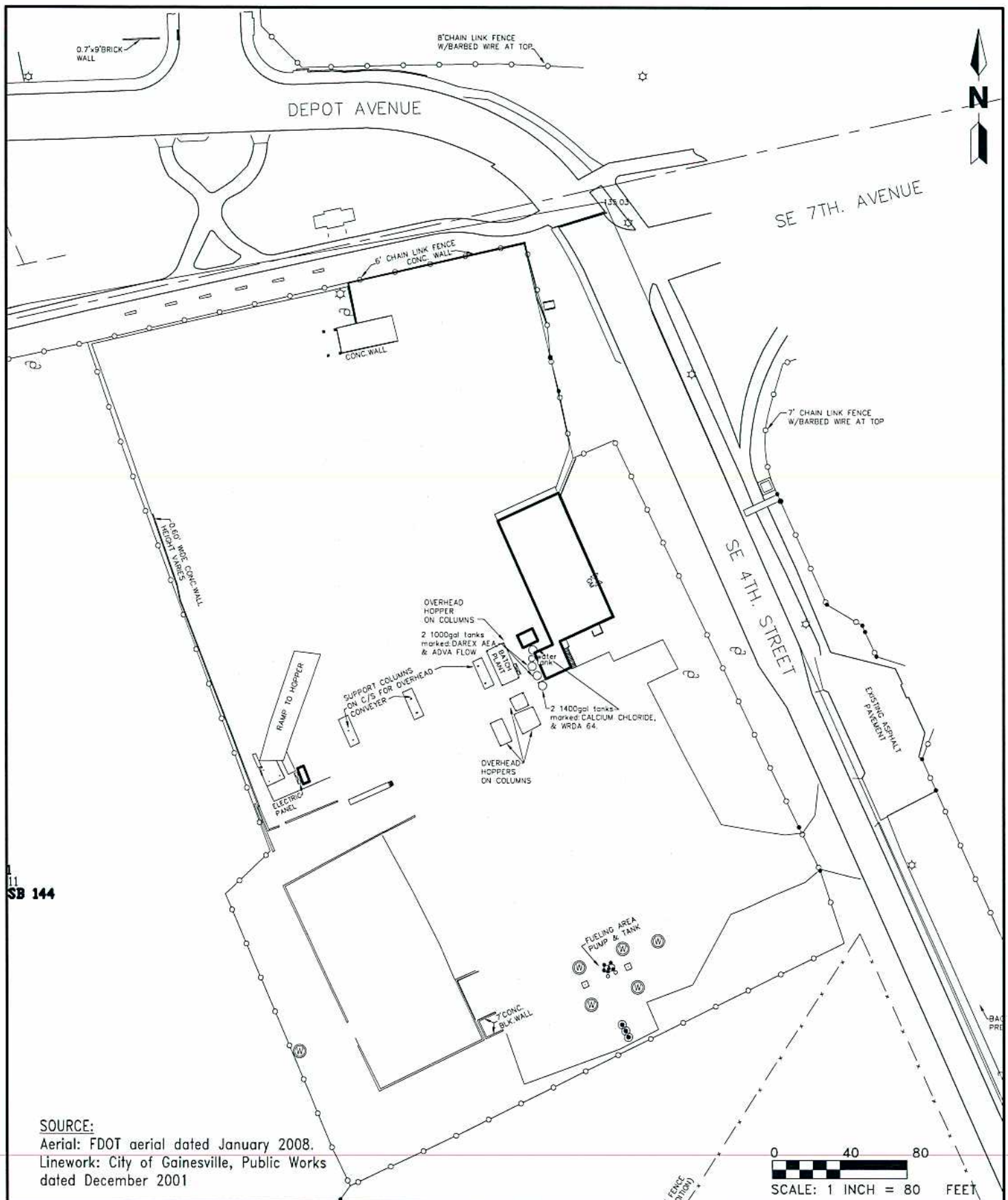
BY: C:\PW\CPCL\DRAWER - CEMENT\5548\FIC-2.DWG UC: BR 07/14/08 10:31:58

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Tallahassee, Florida
850-656-1293

FORMER RINKER PROPERTY
SUPP. ENVIRONMENTAL SITE ASSESSMENT REPORT
900 S.E. 4TH STREET
GAINESVILLE, ALACHUA COUNTY, FLORIDA
**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

FIGURE:

2



SITE MAP WITH HISTORICAL SITE FEATURES

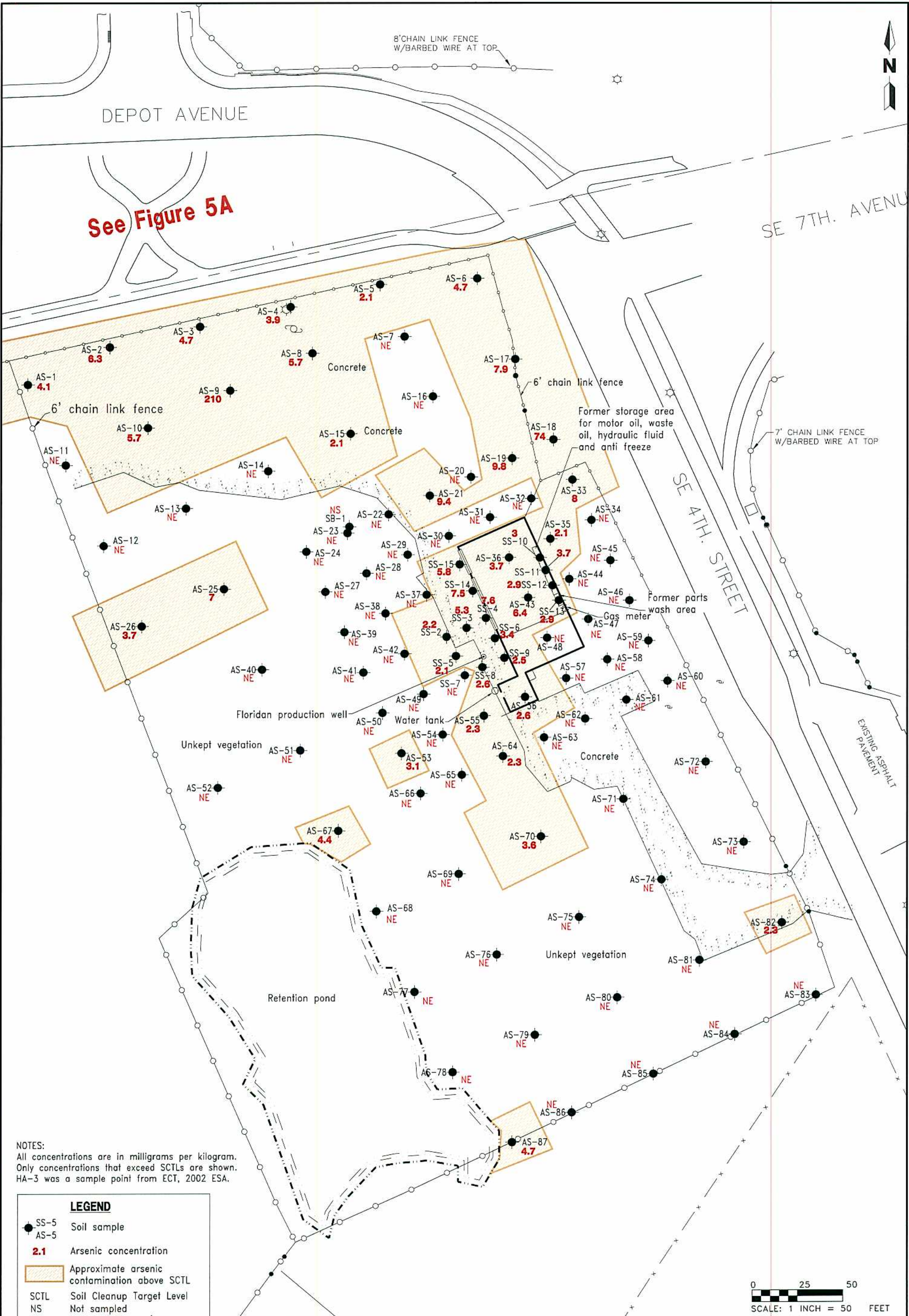
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0	Jul-08	Initial Submittal	
DESIGNED	DRAWN	CHECKED	DATE
RW	VC		
P:\CAD\PERCUT\KINKER CEMENT\SSR\1209-01 RTG\116-3.DWG, VC-VL 01/28/09 12:14:23			

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FIGURE:

3



NOTES:
All concentrations are in milligrams per kilogram.
Only concentrations that exceed SCTLs are shown.
HA-3 was a sample point from ECT, 2002 ESA.

LEGEND

●

SS-5
AS-5

Soil sample

2.1

Arsenic concentration

Approximate arsenic contamination above SCTL

SCTL

Soil Cleanup Target Level

NS

Not sampled

NE

No exceedances (See Table 1 for actual values)

BLS

Below land surface

SOURCE:
Linework: City of Gainesville, Public Works dated December 2001

NO.

DATE

REVISIONS

1

Jan-09

RTC-change titleblock

0

Jul-08

Initial Submittal

DESIGNED

DRAWN

CHECKED

DATE

RW

VC

P:\CAD\CERCLA\RINKER CEMENT\SSAR\2009-01 RTC\FIG-4A.DWG, VC-VC 01/28/09 09:26:6

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SUPP. ENVIRONMENTAL SITE ASSESSMENT REPORT

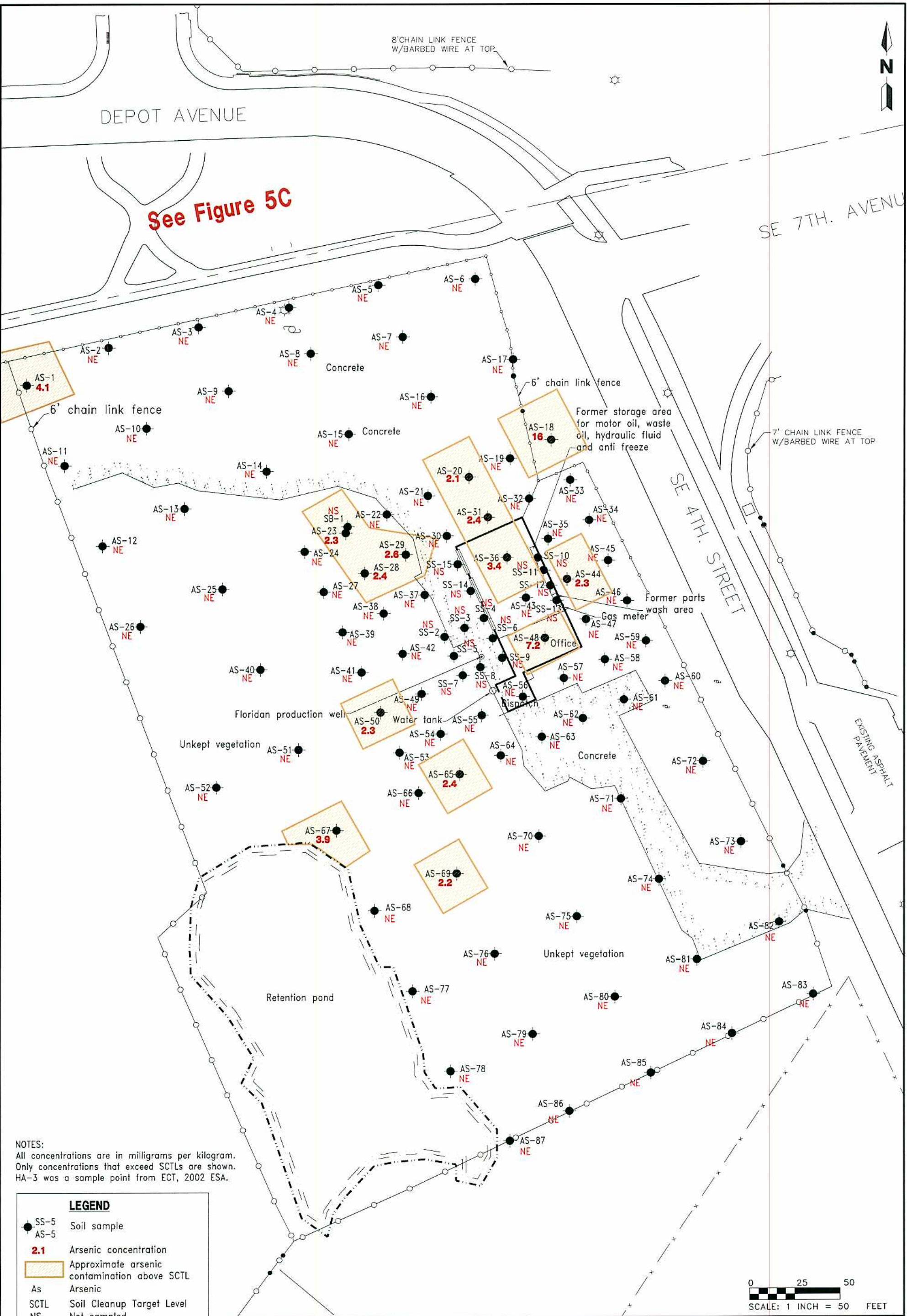
900 S.E. 4TH STREET

GAINESVILLE, ALACHUA COUNTY, FLORIDA

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

FIGURE:

4A



NOTES:
All concentrations are in milligrams per kilogram.
Only concentrations that exceed SCTLs are shown.
HA-3 was a sample point from ECT, 2002 ESA.

LEGEND

●

SS-5

AS-5

Soil sample

2.1

Arsenic concentration

Approximate arsenic contamination above SCTL

As

Arsenic

SCTL

Soil Cleanup Target Level

NS

Not sampled

NE

No exceedances (See Table 1 for actual values)

BLS

Below land surface

SOURCE:
Linework: City of Gainesville, Public Works dated December 2001

ARSENIC CONCENTRATIONS
2 TO 4 FOOT BLS SAMPLE INTERVAL

NO.

DATE

REVISIONS

1

Jan-09

RTC-adjust contamination area

0

Jul-08

Initial Submittal

DESIGNED

DRAWN

CHECKED

DATE

RW

VC

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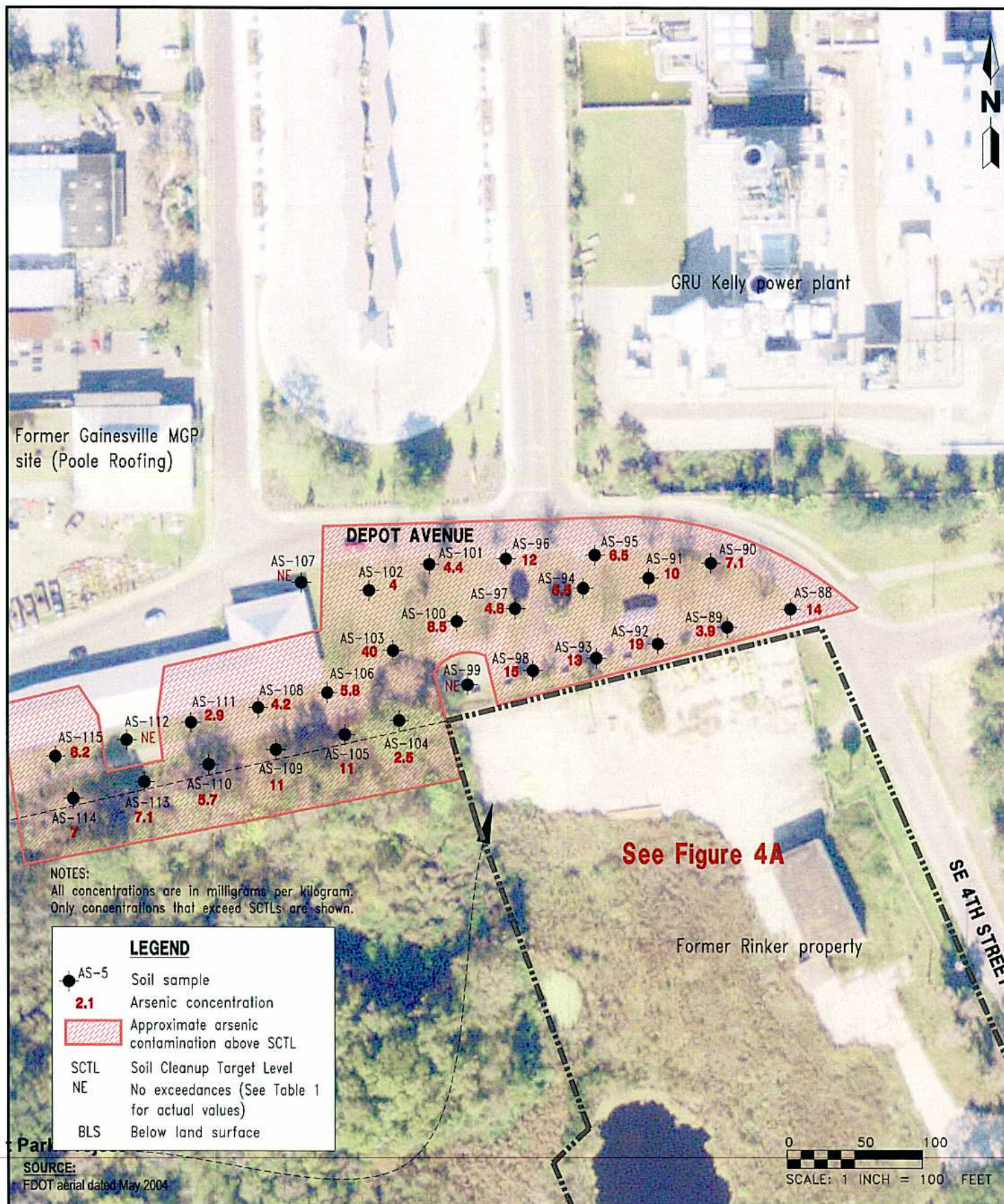
900 S.E. 4TH STREET

GAINESVILLE, ALACHUA COUNTY, FLORIDA

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

FIGURE:

4C



**ARSENIC CONCENTRATIONS 0 TO 1 FOOT BLS SAMPLE INTERVAL
IN NORTHEAST RAIL CORRIDOR**

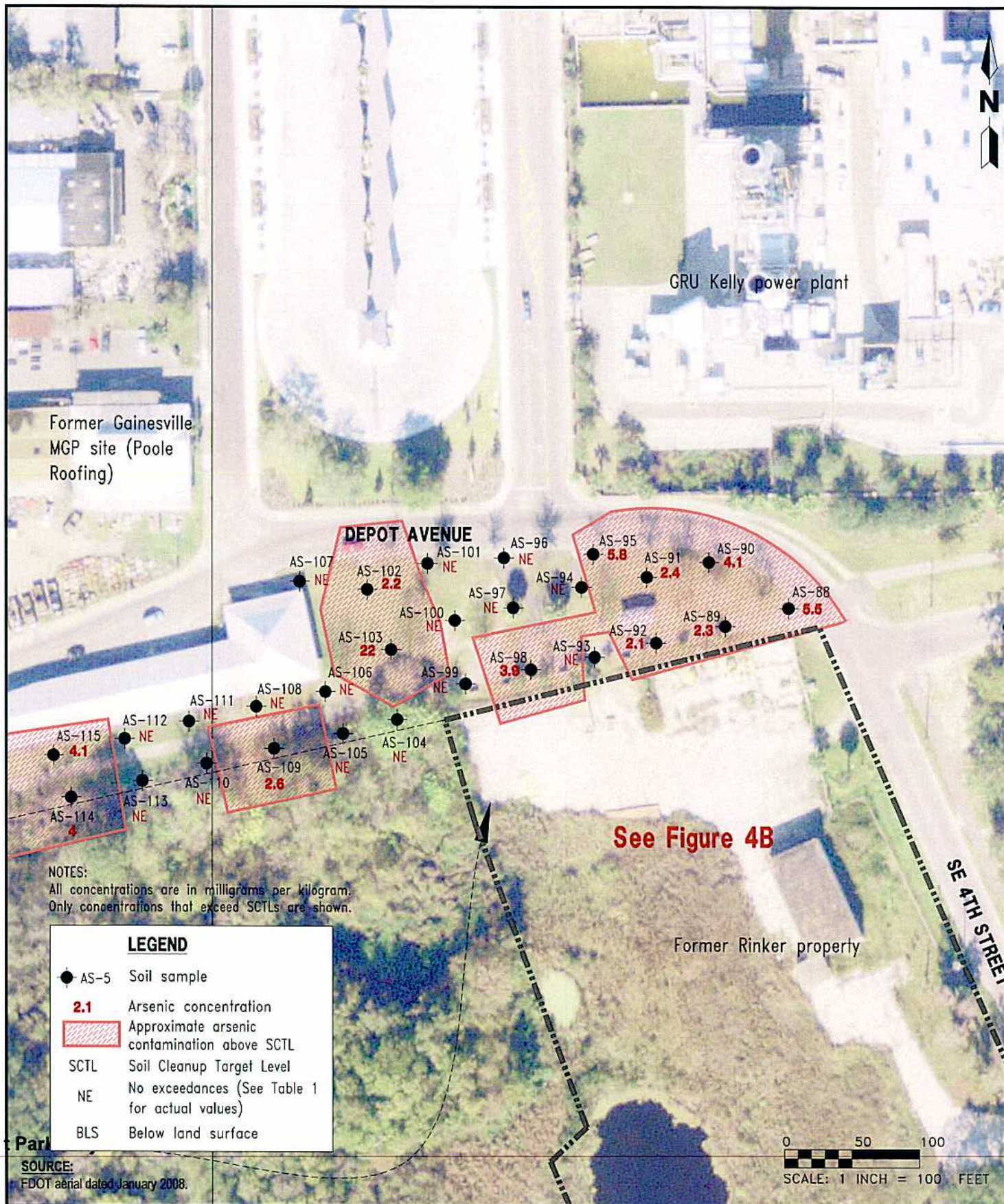
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1	Jan-09	RTC-change titleblock	
0	Jul-08	Initial Submittal	
DESIGNED	DRAWN	CHECKED	DATE
RW	VC		
P:\CAD\GERCIA\RINKER CEMENT\SSAR\2009-01 RTC\FIG-5A.DWG, VC-VC 02/06/09 11:14:17			

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900 S.E. 4TH STREET
GAINESVILLE, ALACHUA COUNTY, FLORIDA
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ENVIRONMENTAL PROTECTION**

FIGURE:

5A



**ARSENIC CONCENTRATIONS 1 TO 2 FOOT BLS SAMPLE INTERVAL
IN NORTHEAST RAIL CORRIDOR**

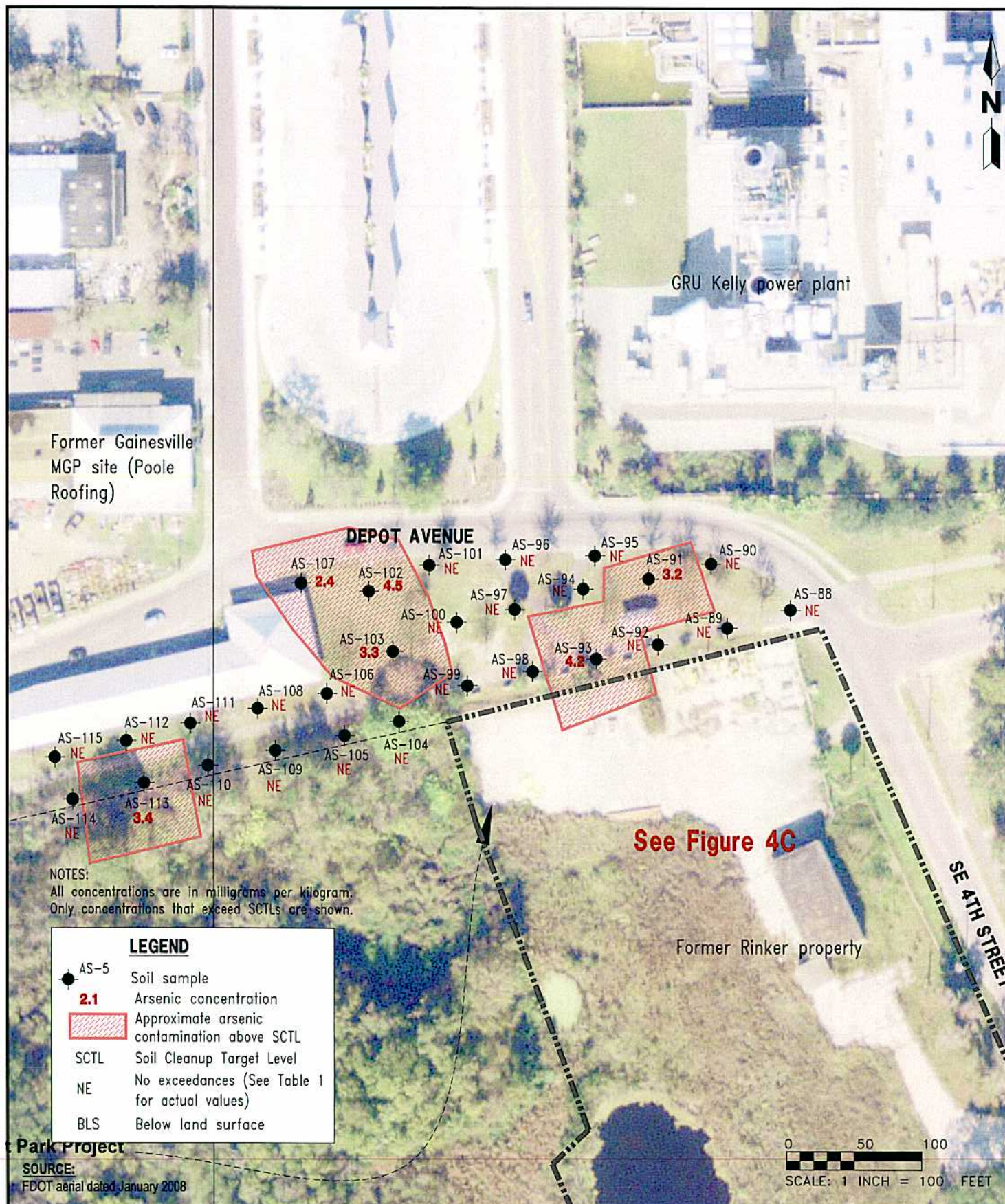
NO.	DATE	REVISIONS
1	Jan-09	RTC-change titleblock
0	Jul-08	Initial Submittal
DESIGNED	DRAWN	CHECKED
RW	VC	
DATE		
01/28/09 14:09:54		

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900 S.E. 4TH STREET
GAINESVILLE, ALACHUA COUNTY, FLORIDA
**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

FIGURE:

5B



**ARSENIC CONCENTRATIONS 2 TO 4 FEET BLS SAMPLE INTERVAL
IN NORTHEAST RAIL CORRIDOR**

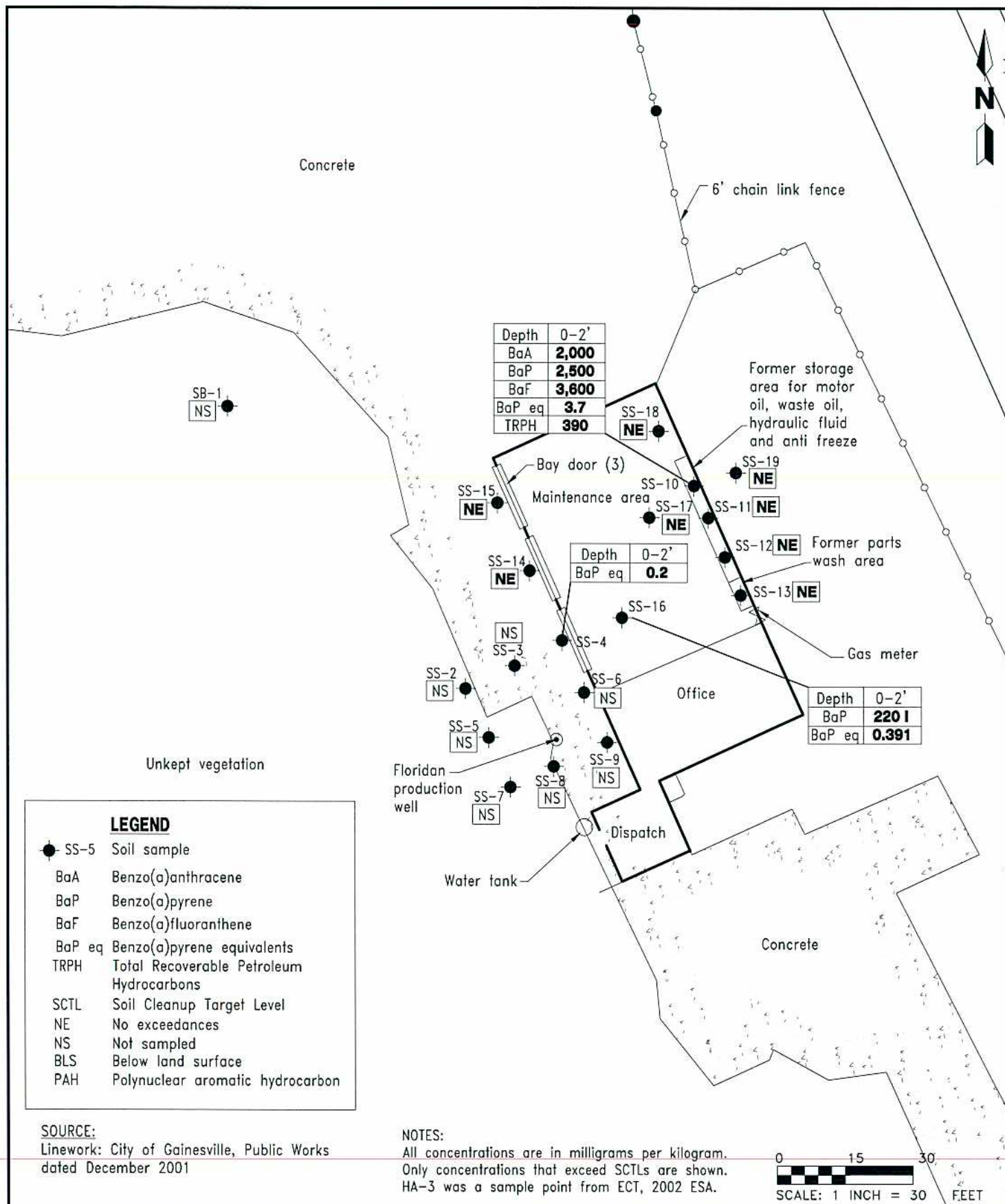
NO.	DATE	REVISIONS	
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0	Jul-08	Initial Submittal	
DESIGNED	DRAWN	CHECKED	DATE
RW	VC		
P:\CAD\CERCLA\RINKER CEMENT\SSAR\2009-01 RTC\FIG-5C.DWG, VC-VC 01/28/09 14:14:20			

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FORMER RINKER CEMENT PROPERTY
SUPP. ENVIRONMENTAL SITE ASSESSMENT WORKPLAN
900 S.E. 4TH STREET
GAINESVILLE, ALACHUA COUNTY, FLORIDA
**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

FIGURE:

5C



PAH SOIL ANALYTICAL DATA 0 TO 2 FEET BLS SAMPLE INTERVAL

NO.	DATE	REVISIONS
1	Jan-09	RTC-change titleblock
0	Jul-08	Initial Submittal
DESIGNED	DRAWN	CHECKED
RW	VC	
		DATE

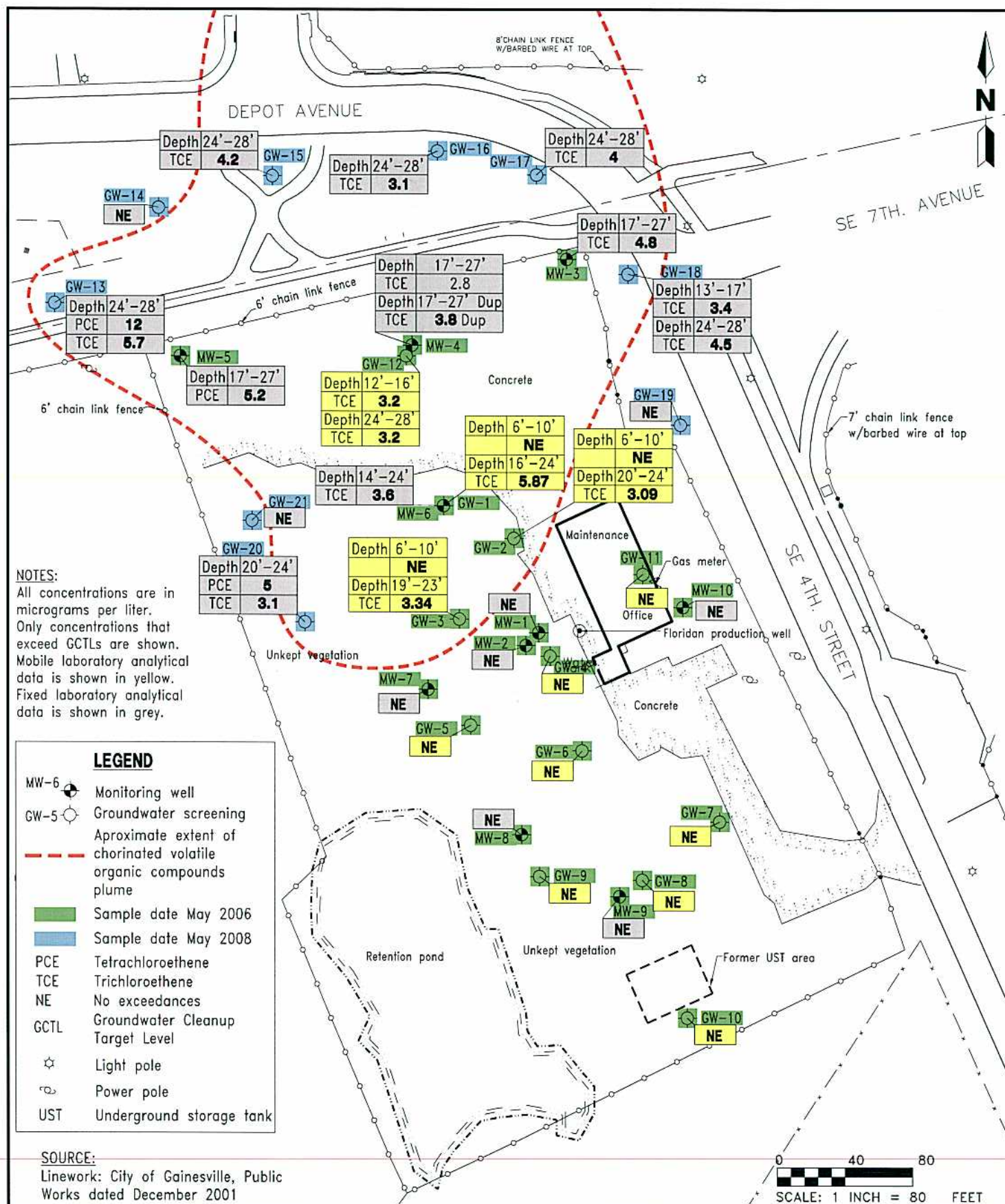
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SUPP. ENVIRONMENTAL SITE ASSESSMENT REPORT
900 S.E. 4TH STREET
GAINESVILLE, ALACHUA COUNTY, FLORIDA

**FLORIDA DEPARTMENT OF
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FIGURE:

6



GROUNDWATER ANALYTICAL DATA											
NO.	DATE	REVISIONS				MACTEC Engineering and Consulting, Inc. Tallahassee, Florida 850-656-1293			FORMER RINKER PROPERTY SUPP. ENVIRONMENTAL SITE ASSESMENT REPORT 900 S.E. 4TH STREET GAINESVILLE, ALACHUA COUNTY, FLORIDA FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION		FIGURE:
1	Jan-09	RTC-change titleblock									7
0	Jul-08	Initial Submittal									
	DESIGNED	RW	DRAWN	VC	CHECKED		DATE				
B:\FAD\CE\GIA\BINKER\CEMENT\SSA\FIG-7.DWG, BB-BB 07/25/08 13:12:48											

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Table 1
Summary of Analytical Data for Soil Samples for Arsenic

Supplemental Environmental Site Assessment Report
Former Rinker Property Site
Gainesville, Alachua County, Florida

Sample Depth (feet bls)	Sample Identification / Sample Location								SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	AS-1	AS-2	AS-3	AS-4	AS-5	AS-6	AS-7	AS-8			
0 to 1	4.1	6.3	4.7	3.9	2.1	4.7	0.85 l	5.7	2.1	12	***
1 to 2	2.7	2.8	2.5	1.3	0.99	0.36 l	0.78 l	1.2	2.1	12	***
2 to 4	4.1	0.89 l	1.1	0.39 l	0.54 l	1.3	0.76 l	0.59 l	2.1	12	***
Sample Depth (feet bls)	Sample Identification / Sample Location								SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	AS-9	AS-10	AS-11	AS-12	AS-13	AS-14	AS-15	AS-16			
0 to 1	210	5.7	1.3	0.88 l	1.2	0.25 l	2.1	0.8 l	2.1	12	***
1 to 2	1.3	0.84 l	0.46 l	0.77 l	1.9	0.54 l	4.4	1.3	2.1	12	***
2 to 4	1.5	1.7	1.2	0.63 l	0.81 l	1.2	1.1	0.8 l	2.1	12	***
Sample Depth (feet bls)	Sample Identification / Sample Location								SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	AS-17	AS-18	AS-19	AS-20	AS-21	AS-22	AS-23	AS-24			
0 to 1	7.9	74	9.8	1	9.4	0.27 l	1	2	2.1	12	***
1 to 2	0.44 l	3.5	0.53 l	0.52 l	0.68 l	0.55 l	1	1 l	2.1	12	***
2 to 4	0.64 l	16	0.28 l	2.1	0.68 l	1.8	2.3	1.2	2.1	12	***
Sample Depth (feet bls)	Sample Identification / Sample Location								SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	AS-25	AS-26	AS-27	AS-28	AS-29	AS-30	AS-31	AS-32			
0 to 1	7	3.7	1.3	1.3	1.9	1.4	2	0.94	2.1	12	***
1 to 2	1.4	0.8 l	5.1	2.5	1.8	2.6	0.82 l	1.9	2.1	12	***
2 to 4	1.1	0.46 l	1.6	2.4	2.6	1 l	2.4	0.35 l	2.1	12	***
See Notes at end of table											

Table 1
Summary of Analytical Data for Soil Samples for Arsenic

Supplemental Environmental Site Assessment Report
Former Rinker Property Site
Gainesville, Alachua County, Florida

Sample Depth (feet bls)	Sample Identification / Sample Location								SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	AS-33	AS-34	AS-35	AS-36	AS-37	AS-38	AS-39	AS-40			
0 to 1	8	1.9	2.1	3.7	1.3	1.1	0.7 I	1.3	2.1	12	***
1 to 2	11	2.9	0.52 I	2.7	0.36 I	0.73 I	1.1	1.2	2.1	12	***
2 to 4	1.1	0.71 I	1.4	3.4	0.64 I	1.4	1.4	0.83 I	2.1	12	***
Sample Depth (feet bls)	Sample Identification / Sample Location								SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	AS-41	AS-42	AS-43	AS-44	AS-45	AS-46	AS-47	AS-48			
0 to 1	1.6	0.22 U	6.4	1.4	1.3	0.64 I	1.7	1.2	2.1	12	***
1 to 2	0.55 I	0.59 I	1.8	4.4	2.5	0.57 I	0.2 U	3.1	2.1	12	***
2 to 4	0.9 I	0.22 U	1.6	2.3	2	0.73 I	0.57 I	7.2	2.1	12	***
Sample Depth (feet bls)	Sample Identification / Sample Location								SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	AS-49	AS-50	AS-51	AS-52	AS-53	AS-54	AS-55	AS-56			
0 to 1	0.54 I	0.84 I	1.4	1.1	3.1	0.74 I	2.3	2.6	2.1	12	***
1 to 2	0.85 I	0.24 U	0.49 I	0.21 I	0.36 I	0.33 I	2	0.23 U	2.1	12	***
2 to 4	0.24 U	2.3	0.24 U	0.53 I	0.3 I	0.55 I	0.98 I	0.24 U	2.1	12	***
Sample Depth (feet bls)	Sample Identification / Sample Location								SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	AS-57	AS-58	AS-59	AS-60	AS-61	AS-62	AS-63	AS-64			
0 to 1	0.6 I	0.33 I	1.3	0.57 I	0.2 U	1.3	1.3	2.3	2.1	12	***
1 to 2	0.68 I	0.22 U	0.2.1 U	0.21 U	0.75 I	0.2 U	0.2 U	2.2	2.1	12	***
2 to 4	0.77 I	0.42 I	0.43 I	0.24 U	0.64 I	0.33 I	0.84 I	0.55 I	2.1	12	***
See notes at end of table											

Table 1
Summary of Analytical Data for Soil Samples for Arsenic

Supplemental Environmental Site Assessment Report
Former Rinker Property Site
Gainesville, Alachua County, Florida

Sample Depth (feet bls)	Sample Identification / Sample Location								SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	AS-65	AS-66	AS-67	AS-68	AS-69	AS-70	AS-71	AS-72			
0 to 1	0.56 l	0.22 l	4.4	0.83 l	1.9	3.6	1.4 l	0.24 l	2.1	12	***
1 to 2	4.9	1.2	12	0.45 l	0.6 l	0.84 l	0.64 l	0.27 l	2.1	12	***
2 to 4	2.4	0.52 l	3.9	1.7	2.2	0.55 l	0.21 U	0.53 l	2.1	12	***
Sample Depth (feet bls)	Sample Identification / Sample Location								SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	AS-73	AS-74	AS-75	AS-76	AS-77	AS-78	AS-79	AS-80			
0 to 1	1.3	0.95 l	0.23 U	0.57 l	1.7	0.36 l	0.47 l	0.46 l	2.1	12	***
1 to 2	0.59 l	0.95 l	0.24 l	0.6 l	0.69 l	0.3 l	0.25 l	0.24 l	2.1	12	***
2 to 4	0.34 l	0.53 l	0.22 U	0.31 l	0.31 l	0.22 U	0.58 l	0.41 l	2.1	12	***
Sample Depth (feet bls)	Sample Identification / Sample Location								SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	AS-81	AS-82	AS-83	AS-84	AS-85	AS-86	AS-87	AS-88			
0 to 1	1.4	2.3	0.38 l	0.29 l	1.6	0.71 l	4.7	14	2.1	12	***
1 to 2	0.33 l	1.2	0.33 l	0.6 l	0.31 l	0.2 U	9.2	5.5	2.1	12	***
2 to 4	0.21 U	0.46 l	0.35 l	0.71 l	0.21 U	0.63 l	0.39 l	2	2.1	12	***
Sample Depth (feet bls)	Sample Identification / Sample Location								SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	AS-89	AS-90	AS-91	AS-92	AS-93	AS-94	AS-95	AS-96			
0 to 1	3.9	7.1	10	19	13	5.5	6.5	12	2.1	12	***
1 to 2	2.3	4.1	2.4	2.1	1.6	1	5.8	0.51 l	2.1	12	***
2 to 4	1.5	0.56 l	3.2	0.4 l	4.2	0.51 l	1	1.9	2.1	12	***
See notes at end of table											

Table 1
Summary of Analytical Data for Soil Samples for Arsenic

Supplemental Environmental Site Assessment Report
Former Rinker Property Site
Gainesville, Alachua County, Florida

Sample Depth (feet bls)	Sample Identification / Sample Location								SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	AS-97	AS-98	AS-99	AS-100	AS-101	AS-102	AS-103	AS-104			
0 to 1	4.8	15	1.6	8.5	4.4	4	40	2.5	2.1	12	***
1 to 2	0.24 l	3.9	1.1	1.4	0.71 l	2.2	22	1.2	2.1	12	***
2 to 4	1.2	0.91 l	2	0.81 l	0.66 l	4.5	3.3	0.5 l	2.1	12	***
Sample Depth (feet bls)	Sample Identification / Sample Location								SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	AS-105	AS-106	AS-107	AS-108	AS-109	AS-110	AS-111	AS-112			
0 to 1		5.8	1.9	4.2	11	5.7	2.9	1.7	2.1	12	***
1 to 2	1.7	0.77 l	0.43 l	1.5	2.6	1.4	0.78 l	0.59 l	2.1	12	***
2 to 4	1.5	0.61 l	2.4	1.7	0.76 l	0.93 l	1.5	0.86 l	2.1	12	***
Sample Depth (feet bls)	Sample Identification / Sample Location								SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	AS-113	AS-114	AS-115	ASDUP01	ASDUP02	ASDUP03	ASDUP04	ASDUP05			
0 to 1	7.1	7	6.2	0.94 l	1.30	0.44 l	2.2	2.5	2.1	12	***
1 to 2	1.4	4	4.1	---	---	---	---	---	2.1	12	***
2 to 4	3.4	1.2	0.39 l	---	---	---	---	---	2.1	12	***
Sample Depth	Sample Identification / Sample Location								SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	ASDUP06	ASDUP07	ASDUP08	ASDUP09	ASDUP10	ASDUP11	ASDUP12	ASDUP13			
0 to 1	5	1.4	0.39 l	2	0.67 l	0.84 l	0.46 l	NA	2.1	12	***
1 to 2	---	---	---	---	---	---	---	---	2.1	12	***
2 to 4	---	---	---	---	---	---	---	---	2.1	12	***
See notes at end of table											

Table 1
Summary of Analytical Data for Soil Samples for Arsenic

Supplemental Environmental Site Assessment Report
Former Rinker Property Site
Gainesville, Alachua County, Florida

Sample Depth	Sample Identification / Sample Location								SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	ASDUP14	ASDUP15	ASDUP16	ASDUP17							
0 to 1	22	4.4	8.1	5.7					2.1	12	***
1 to 2	---	---	---	---					2.1	12	***
2 to 4	---	---	---	---					2.1	12	***
Notes: All concentrations reported in milligrams per kilogram. Florida Soil Cleanup Target Levels per Chapter 62-777, F.A.C. *** = Leachability values can be determined using the SPLP Test to calculate site-specific SCTLs (SPLP Test was not performed at this site) U = Indicates that the compound was analyzed for but not detected. I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit. Bold = Concentration meets or exceeds Florida Soil Cleanup Target Level – Leachability to Groundwater or Residential Criteria.											

Table 2
Summary of Analytical Data for Soil Samples for Organic Analytes

Supplemental Environmental Site Assessment Report
Former Rinker Property Site
Gainesville, Alachua County, Florida

Analyte (µg/Kg)	Sample Identification / Sample Location						SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	SS-16	SS-16	SS-16	SS-17	SS-17	SS-17			
Sample Depth →	0 – 2'	2 – 4'	4 – 6'	0 – 2'	2 – 4'	4 – 6'			
Semi-Volatile Organic Compounds									
Anthracene	31 I	25 U	26 U	24 U	25 U	26 U	21,000,000	300,000,000	2,500,000
Benzo[a]anthracene	170I	13 U	14 U	13 U	14 U	14 U	***	***	800
Benzo[a]pyrene (BaP)	220 I	11 U	12 U	10 U	11 U	11 U	100	700	8,000
Benzo[b]fluoranthene	410	6.5 U	6.9 U	6.2 U	6.6 U	6.8 U	***	***	2,400
Benzo[g,h,i]perylene	400 V	19 U	20 U	18 U	19 U	20 U	2,500,000	52,000,000	32,000,000
Benzo[k]fluoranthene	140 I	23 U	25 U	23 U	24 U	25 U	***	***	24,000
Bis(2-ethylhexyl) phthalate	97 IV	28 IV	17 IV	12 U	22 IV	13 U	72,000	390,000	3,600,000
Carbazole	26 I	18 U	19 U	17 U	18 U	19 U	49,000	240,000	200
Chrysene	320 I	23 U	25 U	23 U	24 U	25 U	***	***	77,000
Dibenz(a,h)anthracene	85 I	13 U	14 U	13 U	14 U	14 U	***	***	700
Fluoranthene	290 I	21 U	23 U	20 U	22 U	22 U	3,200,000	59,000,000	1,200,000
Indeno[1,2,3-cd] pyrene	260 I	16 U	17 U	15 U	16 U	16 U	***	***	6,600
Phenanthrene	170 I	26 U	27 U	25 U	26 U	27 U	2,200,000	36,000,000	250,000
Pyrene	330 I	18 U	19 U	17 U	18 U	19 U	2,400,000	45,000,000	880,000
BaP Equivalents	0.39072	0.01445	0.07473	0.01334	0.01446	0.0156	0.1	0.7	---
See notes at end of table									

Table 2
Summary of Analytical Data for Soil Samples for Organic Analytes

Supplemental Environmental Site Assessment Report
Former Rinker Property Site
Gainesville, Alachua County, Florida

Analyte (µg/Kg)	Sample Identification / Sample Location						SCTLs Residential Values	SCTLs Industrial Values	SCTLs Leachability Values
	SS-18	SS-18	SS-18	SS-19	SS-19	SS-19			
Sample Depth →	0 – 2'	2 – 4'	4 – 6'	0 – 2'	2 – 4'	4 – 6'			
Semi-Volatile Organic Compounds									
Anthracene	24 U	25 U	25 U	23 U	25 U	26 U	21,000,000	300,000,000	2,500,000
Benzo[a]anthracene	13 U	14 U	14 U	43 I	14 U	14 U	***	***	800
Benzo[a]pyrene (BaP)	11 U	11 U	11 U	63 I	11 U	11 U	100	700	8,000
Benzo[b]fluoranthene	6.4 U	6.7 U	6.6 U	93 I	6.6 U	6.9 U	***	***	2,400
Benzo[g,h,i]perylene	19 U	20 U	19 U	70 IV	19 U	20 U	2,500,000	52,000,000	32,000,000
Benzo[k]fluoranthene	23 U	24 U	24 U	35 I	24 U	25 U	***	***	24,000
Bis(2-ethylhexyl) phthalate	12 U	13 U	13 U	12 IV	12 U	13 U	72,000	390,000	3,600,000
Carbazole	18 U	18 U	18 U	17 U	18 U	19 U	49,000	240,000	200
Chrysene	23 U	24 U	24 U	79 I	24 U	25 U	***	***	77,000
Dibenz(a,h)anthracene	13 U	14 U	14 U	13 U	14 U	14 U	***	***	700
Fluoranthene	21 U	22 U	22 U	83 I	22 U	23 U	3,200,000	59,000,000	1,200,000
Indeno[1,2,3-cd] pyrene	16 U	16 U	16 U	51 I	27 U	17 U	***	***	6,600
Phenanthrene	26 U	26 U	26 U	44 I	26 U	27 U	2,200,000	36,000,000	250,000
Pyrene	18 U	22 U	22 U	110 I	22 U	19 U	2,400,000	45,000,000	880,000
BaP Equivalents	0.01390	0.01447	0.01446	0.08863	0.01501	0.01453	0.1	0.7	---
Notes: All concentrations reported in micrograms per kilogram. Florida Soil Cleanup Target Levels per Chapter 62-777, F.A.C. *** = Site specific concentrations for carcinogenic polycyclic aromatic hydrocarbons have been converted to Benzo(a)pyrene (BaP) equivalents. See attached spreadsheets at end of Tables section V = Indicates the analyte was detected in both the sample and the associated method blank. U = Indicates that the compound was analyzed for but not detected. I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit. J = Estimated value. Value may be estimated. Bold = Concentration meets or exceeds Florida Soil Cleanup Target Level – Leachability to Groundwater or Residential Criteria.									

Table 3
Summary of Analytical Data for Groundwater Samples for Organic Analytes

Supplemental Environmental Site Assessment Report
Former Rinker Property Site
Gainesville, Alachua County, Florida

Sample ID	GW-13	GW-13	GW-14	GW-14	GW-15	GW-15	
Depth Interval	12 to 16 ft	24 to 28 ft	12 to 16 ft	24 to 28 ft	12 to 16 ft	24 to 28 ft	
Analyte (µg/l)							GCTL
Volatile Organic Aromatics							
Acetone	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	4.3 I	6300
Benzene	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1
Carbon Disulfide	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	
cis-1,2-Dichloroethene	0.18 I	0.17 U	0.17 U	0.17 U	0.17 U	0.27 I	70
Ethyl Benzene	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	30
Tetrachloroethene	0.95 I	12	1.9	2.7	0.42 I	0.28 U	3
Toluene	0.19 U	0.19 U	0.22 I	0.19 U	0.19 U	0.27 I	40
Trichloroethene	1.4	5.7	0.96 I	1.1	0.77 I	4.2	3
Xylenes, total	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	20
See notes at end of table							

Table 3
Summary of Analytical Data for Groundwater Samples for Organic Analytes

Supplemental Environmental Site Assessment Report
Former Rinker Property Site
Gainesville, Alachua County, Florida

Sample ID	GW-16	GW-16	GW-17	GW-17	GW-18	GW-18	
Depth Interval	13 to 17 ft	24 to 28 ft	13 to 17 ft	24 to 28 ft	13 to 17 ft	24 to 28 ft	
Analyte (µg/l)							GCTL
Volatile Organic Aromatics							
Acetone	1.8 U	1.8 U	4.1 I	1.8 U	3.5 I	1.8 U	6300
Benzene	0.18 U	0.18 U	0.83 I	0.18 U	1.1	0.18 U	1
Carbon Disulfide	0.14 I	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	
cis-1,2-Dichloroethene	0.17 U	0.30 I	0.18 I	0.3 I	0.21 I	0.23 I	100
Ethyl Benzene	0.16 U	0.16 U	0.16 U	0.16 U	0.17 I	0.16 U	30
Tetrachloroethene	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	3
Toluene	0.35 I	0.19 U	0.61 I	0.27 I	0.75 I	0.7 I	40
Trichloroethene	0.27 I	3.1	2.2	4	3.4	4.5	3
Xylenes, total	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.23 I	20
See notes at end of table							

Table 3
Summary of Analytical Data for Groundwater Samples for Organic Analytes

Supplemental Environmental Site Assessment Report
Former Rinker Property Site
Gainesville, Alachua County, Florida

Sample ID	GW-19	GW-19	GW-20	GW-20	GW-21	GW-21	
Depth Interval	10 to 14 ft	20 to 24 ft	6 to 10 ft	20 to 24 ft	6 to 10 ft	20to 24 ft	
Analyte (µg/l)							GCTL
Volatile Organic Aromatics							
Acetone	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	6300
Benzene	0.18 U	0.19 I	0.18 U	0.18 U	0.18 U	0.18 U	1
Carbon Disulfide	0.13 U	0.13 U	0.16 I	0.14 I	0.14 I	0.14 I	
cis-1,2-Dichloroethene	0.23 I	0.17 U	0.17 U	0.17 U	0.18 I	0.20 I	100
Ethyl Benzene	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	30
Tetrachloroethene	0.28 U	0.28 U	0.35 I	5	0.56 I	3.4	3
Toluene	0.29 I	0.34 I	0.24 I	0.28 I	0.36 I	0.19 U	40
Trichloroethene	2.5	2.7	0.41 I	3.1	1.2	3.7	3
Xylenes, total	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	20

Notes: GCTL = Florida Groundwater Cleanup Target Level per Chapter 62-777, F.A.C.
All concentrations reported in micrograms per liter (µg/l).
U = Indicates that the compound was analyzed for but not detected.
I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Bold = Concentration meets or exceeds Florida GCTL.

Table 4
Sample Location Coordinates

Supplemental Environmental Site Assessment Report
Former Rinker Property Site
Gainesville, Alachua County, Florida

Sample ID	Latitude	Longitude
AS1	29.64483728	-82.32252929
AS2	29.64489271	-82.32238526
AS3	29.64492202	-82.32222791
AS4	29.64494994	-82.32207014
AS5	29.64498214	-82.32191426
AS6	29.64498858	-82.32174565
AS7	29.64490083	-82.32187355
AS8	29.64487773	-82.32203373
AS9	29.64482231	-82.32217777
AS10	29.64476688	-82.32232181
AS11	29.64471146	-82.32246584
AS12	29.64458563	-82.32240239
AS13	29.64464106	-82.32225836
AS14	29.64469649	-82.32211432
AS15	29.64475191	-82.32197028
AS16	29.64480734	-82.32182624
AS17	29.64486276	-82.3216822
AS18	29.64473694	-82.32161875
AS19	29.64470922	-82.32169077
AS20	29.64468151	-82.32176279
AS21	29.6446538	-82.32183481
AS22	29.64462609	-82.32190683
AS23	29.64459838	-82.32197885
AS24	29.64457066	-82.32205087
AS25	29.64451524	-82.32219491
AS26	29.64445981	-82.32233894
AS27	29.64450775	-82.32201914
AS28	29.64453546	-82.32194712
AS29	29.64456318	-82.32187511
AS30	29.64459089	-82.32180309
AS31	29.6446186	-82.32173107
AS32	29.64464631	-82.32165905
AS33	29.64467403	-82.32158703
AS34	29.64461111	-82.3215553
AS35	29.6445834	-82.32162732
AS36	29.64455569	-82.32169934
AS37	29.64450026	-82.32184338
AS38	29.64447255	-82.3219154
AS39	29.64444484	-82.32198742
AS40	29.64438941	-82.32213146
AS41	29.64438193	-82.32195569
AS42	29.64440964	-82.32188368
AS43	29.64449278	-82.32166762
AS44	29.64452049	-82.3215956

See notes below.

Table 4
Sample Location Coordinates

Supplemental Environmental Site Assessment Report
Former Rinker Property Site
Gainesville, Alachua County, Florida

Sample ID	Latitude	Longitude
AS45	29.6445482	-82.32152358
AS46	29.64448529	-82.32149185
AS47	29.64445758	-82.32156387
AS48	29.64442987	-82.32163589
AS49	29.64434673	-82.32185195
AS50	29.64431902	-82.32192397
AS51	29.64426359	-82.32206801
AS52	29.64420817	-82.32221205
AS53	29.64425611	-82.32189225
AS54	29.64428382	-82.32182023
AS55	29.64431153	-82.32174821
AS56	29.64433924	-82.32167619
AS57	29.64436696	-82.32160417
AS58	29.64439467	-82.32153215
AS59	29.64442238	-82.32146013
AS60	29.64435947	-82.32142841
AS61	29.64433176	-82.32150043
AS62	29.64430404	-82.32157245
AS63	29.64427633	-82.32164446
AS64	29.64424862	-82.32171648
AS65	29.64422091	-82.3217885
AS66	29.64419319	-82.32186052
AS67	29.64413777	-82.32200456
AS68	29.64401195	-82.32194111
AS69	29.64406737	-82.32179707
AS70	29.6441228	-82.32165303
AS71	29.64417822	-82.321509
AS72	29.64423365	-82.32136496
AS73	29.64410782	-82.32130151
AS74	29.6440524	-82.32144555
AS75	29.64399697	-82.32158959
AS76	29.64394155	-82.32173362
AS77	29.64388612	-82.32187766
AS78	29.6437603	-82.32181421
AS79	29.64381573	-82.32167018
AS80	29.64387115	-82.32152614
AS81	29.64392658	-82.3213821
AS82	29.643982	-82.32123806
AS83	29.6438688	-82.32118105
AS84	29.6438103	-82.32132362
AS85	29.64375158	-82.32146597
AS86	29.64369444	-82.32160903
AS87	29.64365009	-82.32171357
AS88	29.64508513	-82.32173464
AS89	29.64505082	-82.32188382
See notes below.		

Table 4
Sample Location Coordinates

Supplemental Environmental Site Assessment Report
Former Rinker Property Site
Gainesville, Alachua County, Florida

Sample ID	Latitude	Longitude
AS90	29.64518101	-82.32191941
AS91	29.64515306	-82.32206661
AS92	29.64501996	-82.32204758
AS93	29.64499358	-82.32219292
AS94	29.64513484	-82.32222094
AS95	29.64520156	-82.32219199
AS96	29.64519707	-82.32240282
AS97	29.64509595	-82.32238304
AS98	29.6449705	-82.32234368
AS99	29.64494428	-82.32249818
AS100	29.64507265	-82.32252098
AS101	29.64518887	-82.32258258
AS102	29.64513848	-82.32272661
AS103	29.64501598	-82.32267248
AS104	29.64487479	-82.32266124
AS105	29.64484814	-82.32279009
AS106	29.64493361	-82.32283037
AS107	29.64515716	-82.32288746
AS108	29.64490597	-82.32299589
AS109	29.6448205	-82.32295562
AS110	29.64479277	-82.32311564
AS111	29.64487824	-82.32315592
AS112	29.64484559	-82.32330873
AS113	29.64476012	-82.32326845
AS114	29.64472935	-82.3234377
AS115	29.64481482	-82.32347798
GW13	29.64494677	-82.32272798
GW14	29.64509811	-82.32252754
GW15	29.64514624	-82.32231101
GW16	29.64518153	-82.32199741
GW17	29.64513986	-82.32181193
GW18	29.6449766	-82.32164319
GW19	29.64473148	-82.32154936
GW20	29.64442476	-82.32226519
GW21	29.64458979	-82.32236193

Notes: Longitude and latitude obtained from a GPS unit equipped with wide area augmentation system
Coordinates are listed in decimal degrees (DD.DDDD).

APPENDIX A

BENZO(A)PYRENE EQUIVALENT SHEETS

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Rinker Property
 Location: Gainesville, Alachua County
 Facility/Site ID No.: _____

Soil Sample No. SB-16
 Sample Date 5/58/2008
 Location: SS-16
 Depth (ft): 0 to 2

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.2	1.0	0.2200
Benzo(a)anthracene	0.2	0.1	0.0170
Benzo(b)fluoranthene	0.4	0.1	0.0410
Benzo(k)fluoranthene	0.14	0.01	0.0014
Chrysene	0.320	0.001	0.0003
Dibenz(a,h)anthracene	0.1	1.0	0.0850
Indeno(1,2,3-cd)pyrene	0.3	0.1	0.0260

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.39072**

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Rinker Property
 Location: Gainesville, Alachua County
 Facility/Site ID No.: _____
 Soil Sample No. SB-16
 Sample Date 5/58/2008
 Location: SS-16
 Depth (ft): 2 to 4

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.0	1.0	0.0055
Benzo(a)anthracene	0.0	0.1	0.0007
Benzo(b)fluoranthene	0.0	0.1	0.0003
Benzo(k)fluoranthene	0.01	0.01	0.0001
Chrysene	0.012	0.001	0.0000
Dibenz(a,h)anthracene	0.0	1.0	0.0070
Indeno(1,2,3-cd)pyrene	0.0	0.1	0.0009

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.01445**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Rinker Property
 Location: Gainesville, Alachua County
 Facility/Site ID No.: _____

Soil Sample No. SB-16
 Sample Date 5/58/2008
 Location: SS-16
 Depth (ft): 4 to 6

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.1	1.0	0.0600
Benzo(a)anthracene	0.1	0.1	0.0070
Benzo(b)fluoranthene	0.0	0.1	0.0003
Benzo(k)fluoranthene	0.01	0.01	0.0001
Chrysene	0.013	0.001	0.0000
Dibenz(a,h)anthracene	0.0	1.0	0.0065
Indeno(1,2,3-cd)pyrene	0.0	0.1	0.0008

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.07473**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Rinker Property
 Location: Gainesville, Alachua County
 Facility/Site ID No.: _____
 Soil Sample No. SB-17
 Sample Date 5/58/2008
 Location: SS-17
 Depth (ft): 0 to 2

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.0	1.0	0.0050
Benzo(a)anthracene	0.0	0.1	0.0007
Benzo(b)fluoranthene	0.0	0.1	0.0003
Benzo(k)fluoranthene	0.01	0.01	0.0001
Chrysene	0.012	0.001	0.0000
Dibenz(a,h)anthracene	0.0	1.0	0.0065
Indeno(1,2,3-cd)pyrene	0.0	0.1	0.0008

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.01334**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Rinker Property
 Location: Gainesville, Alachua County
 Facility/Site ID No.: _____

Soil Sample No. SB-17
 Sample Date 5/58/2008
 Location: SS-17
 Depth (ft): 2 to 4

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.0	1.0	0.0055
Benzo(a)anthracene	0.0	0.1	0.0007
Benzo(b)fluoranthene	0.0	0.1	0.0003
Benzo(k)fluoranthene	0.01	0.01	0.0001
Chrysene	0.012	0.001	0.0000
Dibenz(a,h)anthracene	0.0	1.0	0.0070
Indeno(1,2,3-cd)pyrene	0.0	0.1	0.0008

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.01446**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Rinker Property
 Location: Gainesville, Alachua County
 Facility/Site ID No.: _____

Soil Sample No. SB-17
 Sample Date 5/58/2008
 Location: SS-17
 Depth (ft): 4 to 6

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.0	1.0	0.0055
Benzo(a)anthracene	0.0	0.1	0.0007
Benzo(b)fluoranthene	0.0	0.1	0.0003
Benzo(k)fluoranthene	0.13	0.01	0.0013
Chrysene	0.013	0.001	0.0000
Dibenz(a,h)anthracene	0.0	1.0	0.0070
Indeno(1,2,3-cd)pyrene	0.0	0.1	0.0008

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.01560**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Rinker Property
 Location: Gainesville, Alachua County
 Facility/Site ID No.: _____

Soil Sample No. SB-18
 Sample Date 5/58/2008
 Location: SS-18
 Depth (ft): 0 to 2

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.0	1.0	0.0055
Benzo(a)anthracene	0.0	0.1	0.0007
Benzo(b)fluoranthene	0.0	0.1	0.0003
Benzo(k)fluoranthene	0.01	0.01	0.0001
Chrysene	0.012	0.001	0.0000
Dibenz(a,h)anthracene	0.0	1.0	0.0065
Indeno(1,2,3-cd)pyrene	0.0	0.1	0.0008

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.01390**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Rinker Property
 Location: Gainesville, Alachua County
 Facility/Site ID No.: _____

Soil Sample No. SB-18
 Sample Date 5/58/2008
 Location: SS-18
 Depth (ft): 2 to 4

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.0	1.0	0.0055
Benzo(a)anthracene	0.0	0.1	0.0007
Benzo(b)fluoranthene	0.0	0.1	0.0003
Benzo(k)fluoranthene	0.01	0.01	0.0001
Chrysene	0.012	0.001	0.0000
Dibenz(a,h)anthracene	0.0	1.0	0.0070
Indeno(1,2,3-cd)pyrene	0.0	0.1	0.0008

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.01447**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Rinker Property
 Location: Gainesville, Alachua County
 Facility/Site ID No.: _____
 Soil Sample No. SB-18
 Sample Date 5/58/2008
 Location: SS-18
 Depth (ft): 4 to 6

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.0	1.0	0.0055
Benzo(a)anthracene	0.0	0.1	0.0007
Benzo(b)fluoranthene	0.0	0.1	0.0003
Benzo(k)fluoranthene	0.01	0.01	0.0001
Chrysene	0.012	0.001	0.0000
Dibenz(a,h)anthracene	0.0	1.0	0.0070
Indeno(1,2,3-cd)pyrene	0.0	0.1	0.0008

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.01446**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Rinker Property
 Location: Gainesville, Alachua County
 Facility/Site ID No.: _____

Soil Sample No. SB-19
 Sample Date 5/58/2008
 Location: SS-19
 Depth (ft): 0 to 2

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.1	1.0	0.0630
Benzo(a)anthracene	0.0	0.1	0.0043
Benzo(b)fluoranthene	0.1	0.1	0.0093
Benzo(k)fluoranthene	0.04	0.01	0.0004
Chrysene	0.079	0.001	0.0001
Dibenz(a,h)anthracene	0.0	1.0	0.0065
Indeno(1,2,3-cd)pyrene	0.1	0.1	0.0051

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.08863**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Rinker Property
 Location: Gainesville, Alachua County
 Facility/Site ID No.: _____
 Soil Sample No. SB-19
 Sample Date 5/58/2008
 Location: SS-19
 Depth (ft): 2 to 4

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.0	1.0	0.0055
Benzo(a)anthracene	0.0	0.1	0.0007
Benzo(b)fluoranthene	0.0	0.1	0.0003
Benzo(k)fluoranthene	0.01	0.01	0.0001
Chrysene	0.012	0.001	0.0000
Dibenz(a,h)anthracene	0.0	1.0	0.0070
Indeno(1,2,3-cd)pyrene	0.0	0.1	0.0014

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.01501**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Rinker Property
 Location: Gainesville, Alachua County
 Facility/Site ID No.: _____
 Soil Sample No. SB-19
 Sample Date 5/58/2008
 Location: SS-19
 Depth (ft): 4 to 6

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.0	1.0	0.0055
Benzo(a)anthracene	0.0	0.1	0.0007
Benzo(b)fluoranthene	0.0	0.1	0.0003
Benzo(k)fluoranthene	0.01	0.01	0.0001
Chrysene	0.013	0.001	0.0000
Dibenz(a,h)anthracene	0.0	1.0	0.0070
Indeno(1,2,3-cd)pyrene	0.0	0.1	0.0009

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = **0.01453**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

APPENDIX B

LABORATORY ANALYTICAL REPORT on CD

ANALYTICAL REPORT

Job Number: 640-16868-1

Job Description: Rinker Property

For:
MACTEC Engineering and Consulting Inc
2533 Greer Road
Suite 6
Tallahassee, FL 32308
Attention: Mr. Ron White



Tim Preston
Project Manager II
timothy.preston@testamericainc.com
06/12/2008

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report.

Measurement uncertainty data, as referenced in Section 20.12 of the TestAmerica Tallahassee Quality Assurance Manual, are available upon request

Florida Department of Health Certification No. E81005

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS Semi VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16868-1 Percent Solids	AS-75 (0-1')	94		0.00010	%	PercentMoisture
640-16868-2 Arsenic Percent Solids	AS-75 (1-2')	0.24 90	I	0.98 0.00010	mg/Kg %	6010B PercentMoisture
640-16868-3 Percent Solids	AS-75 (2-4')	86		0.00010	%	PercentMoisture
640-16868-4 Arsenic Percent Solids	AS-76 (0-1')	0.57 96	I	1.0 0.00010	mg/Kg %	6010B PercentMoisture
640-16868-5 Arsenic Percent Solids	AS-76 (1-2')	0.60 89	I	1.0 0.00010	mg/Kg %	6010B PercentMoisture
640-16868-6 Arsenic Percent Solids	AS-76 (2-4')	0.31 90	I	0.93 0.00010	mg/Kg %	6010B PercentMoisture
640-16868-7 Arsenic Percent Solids	AS-77 (0-1')	1.7 87		1.0 0.00010	mg/Kg %	6010B PercentMoisture
640-16868-8 Arsenic Percent Solids	AS-77 (1-2')	0.69 87	I	1.0 0.00010	mg/Kg %	6010B PercentMoisture
640-16868-9 Arsenic Percent Solids	AS-77 (2-4')	0.31 86	I	1.1 0.00010	mg/Kg %	6010B PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16868-10	AS-DUPE-11					
Arsenic		0.84	I	1.1	mg/Kg	6010B
Percent Solids		81		0.00010	%	PercentMoisture
640-16868-11	AS-78 (0-1')					
Arsenic		0.36	I	1.0	mg/Kg	6010B
Percent Solids		82		0.00010	%	PercentMoisture
640-16868-12	AS-78 (1-2')					
Arsenic		0.30	I	0.99	mg/Kg	6010B
Percent Solids		88		0.00010	%	PercentMoisture
640-16868-13	AS-78 (2-4')					
Percent Solids		89		0.00010	%	PercentMoisture
640-16868-14	AS-79 (0-1')					
Arsenic		0.47	I	0.96	mg/Kg	6010B
Percent Solids		88		0.00010	%	PercentMoisture
640-16868-15	AS-79 (1-2')					
Arsenic		0.25	I	1.0	mg/Kg	6010B
Percent Solids		88		0.00010	%	PercentMoisture
640-16868-16	AS-79 (2-4')					
Arsenic		0.58	I	1.1	mg/Kg	6010B
Percent Solids		88		0.00010	%	PercentMoisture
640-16868-17	AS-80 (0-1')					
Arsenic		0.46	I	0.97	mg/Kg	6010B
Percent Solids		89		0.00010	%	PercentMoisture
640-16868-18	AS-80 (1-2')					
Arsenic		0.24	I	0.92	mg/Kg	6010B
Percent Solids		91		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16868-19	AS-80 (2-4')					
Arsenic		0.41	I	1.0	mg/Kg	6010B
Percent Solids		87		0.00010	%	PercentMoisture
640-16868-20	AS-81 (0-1')					
Arsenic		1.4		0.96	mg/Kg	6010B
Percent Solids		94		0.00010	%	PercentMoisture
640-16868-21	AS-81 (1-2')					
Arsenic		0.33	I	0.98	mg/Kg	6010B
Percent Solids		96		0.00010	%	PercentMoisture
640-16868-22	AS-81 (2-4')					
Percent Solids		90		0.00010	%	PercentMoisture
640-16868-23	AS-82 (0-1')					
Arsenic		2.3		1.0	mg/Kg	6010B
Percent Solids		96		0.00010	%	PercentMoisture
640-16868-24	AS-82 (1-2')					
Arsenic		1.2		0.95	mg/Kg	6010B
Percent Solids		98		0.00010	%	PercentMoisture
640-16868-25	AS-82 (2-4')					
Arsenic		0.46	I	1.0	mg/Kg	6010B
Percent Solids		97		0.00010	%	PercentMoisture
640-16868-26	AS-83 (0-1')					
Arsenic		0.38	I	0.90	mg/Kg	6010B
Percent Solids		98		0.00010	%	PercentMoisture
640-16868-27	AS-83 (1-2')					
Arsenic		0.33	I	0.92	mg/Kg	6010B
Percent Solids		95		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16868-28	AS-83 (2-4')					
Arsenic		0.35	I	0.89	mg/Kg	6010B
Percent Solids		97		0.00010	%	PercentMoisture
640-16868-29	AS-84 (0-1')					
Arsenic		0.29	I	0.96	mg/Kg	6010B
Percent Solids		99		0.00010	%	PercentMoisture
640-16868-30	AS-84 (1-2')					
Arsenic		0.60	I	0.89	mg/Kg	6010B
Percent Solids		97		0.00010	%	PercentMoisture
640-16868-31	AS-DUPE-12					
Arsenic		0.46	I	1.0	mg/Kg	6010B
Percent Solids		96		0.00010	%	PercentMoisture
640-16868-32	AS-84 (2-4')					
Arsenic		0.71	I	0.96	mg/Kg	6010B
Percent Solids		93		0.00010	%	PercentMoisture
640-16868-33	AS-85 (0-1')					
Arsenic		1.6		0.88	mg/Kg	6010B
Percent Solids		98		0.00010	%	PercentMoisture
640-16868-34	AS-85 (1-2')					
Arsenic		0.31	I	0.97	mg/Kg	6010B
Percent Solids		98		0.00010	%	PercentMoisture
640-16868-35	AS-85 (2-4')					
Percent Solids		94		0.00010	%	PercentMoisture
640-16868-36	AS-86 (0-1')					
Arsenic		0.71	I	0.91	mg/Kg	6010B
Percent Solids		99		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
640-16868-37 Percent Solids	AS-86 (1-2')	98	0.00010	%	PercentMoisture
640-16868-38 Arsenic Percent Solids	AS-86 (2-4')	0.63 93	0.93 0.00010	mg/Kg %	6010B PercentMoisture
640-16868-39 Arsenic Percent Solids	AS-87 (0-1')	4.7 90	0.95 0.00010	mg/Kg %	6010B PercentMoisture
640-16868-40 Arsenic Percent Solids	AS-87 (1-2')	9.2 71	1.2 0.00010	mg/Kg %	6010B PercentMoisture
640-16868-41 Arsenic Percent Solids	AS-87 (2-4')	0.39 91	1.0 0.00010	mg/Kg %	6010B PercentMoisture
640-16868-42 Arsenic Percent Solids	AS-18 (0-1')	74 97	0.87 0.00010	mg/Kg %	6010B PercentMoisture
640-16868-43 Arsenic Percent Solids	AS-18 (1-2')	3.5 97	1.0 0.00010	mg/Kg %	6010B PercentMoisture
640-16868-44 Arsenic Percent Solids	AS-18 (2-4')	16 92	0.94 0.00010	mg/Kg %	6010B PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16868-45	SS-16 (0-2')					
Anthracene		31	I	380	ug/Kg	8270C
Benzo[a]anthracene		170	I	380	ug/Kg	8270C
Benzo[a]pyrene		220	I	380	ug/Kg	8270C
Benzo[b]fluoranthene		410		380	ug/Kg	8270C
Benzo[g,h,i]perylene		400	V	380	ug/Kg	8270C
Benzo[k]fluoranthene		140	I	380	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		97	I V	380	ug/Kg	8270C
Carbazole		26	I	380	ug/Kg	8270C
Chrysene		320	I	380	ug/Kg	8270C
Dibenz(a,h)anthracene		85	I	380	ug/Kg	8270C
Di-n-octyl phthalate		43	I	380	ug/Kg	8270C
Fluoranthene		290	I	380	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		260	I	380	ug/Kg	8270C
Phenanthrene		170	I	380	ug/Kg	8270C
Pyrene		330	I	380	ug/Kg	8270C
Percent Solids		87		0.00010	%	PercentMoisture
640-16868-46	SS-16 (2-4')					
Bis(2-ethylhexyl) phthalate		28	I V	370	ug/Kg	8270C
Percent Solids		89		0.00010	%	PercentMoisture
640-16868-47	SS-16 (4-6')					
Bis(2-ethylhexyl) phthalate		17	I V	390	ug/Kg	8270C
Percent Solids		84		0.00010	%	PercentMoisture
640-16868-48	SS-17 (0-2')					
Percent Solids		93		0.00010	%	PercentMoisture
640-16868-49	SS-17 (2-4')					
Bis(2-ethylhexyl) phthalate		22	I V	380	ug/Kg	8270C
Percent Solids		87		0.00010	%	PercentMoisture
640-16868-50	SS-17 (4-6')					
Percent Solids		85		0.00010	%	PercentMoisture
640-16868-51	SS-18 (0-2')					
Percent Solids		90		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16868-52	SS-DUPE-13					
Percent Solids		90		0.00010	%	PercentMoisture
640-16868-53	SS-18 (2-4')					
Percent Solids		87		0.00010	%	PercentMoisture
640-16868-54	SS-18 (4-6')					
Percent Solids		88		0.00010	%	PercentMoisture
640-16868-55	SS-19 (0-2)					
Benzo[a]anthracene		43	I	350	ug/Kg	8270C
Benzo[a]pyrene		63	I	350	ug/Kg	8270C
Benzo[b]fluoranthene		93	I	350	ug/Kg	8270C
Benzo[g,h,i]perylene		70	I V	350	ug/Kg	8270C
Benzo[k]fluoranthene		35	I	350	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		12	I V	350	ug/Kg	8270C
Chrysene		79	I	350	ug/Kg	8270C
Fluoranthene		83	I	350	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		51	I	350	ug/Kg	8270C
Phenanthrene		44	I	350	ug/Kg	8270C
Pyrene		110	I	350	ug/Kg	8270C
Percent Solids		94		0.00010	%	PercentMoisture
640-16868-56	SS-19 (2-4)					
Percent Solids		88		0.00010	%	PercentMoisture
640-16868-57	SS-19 (4-6)					
Percent Solids		84		0.00010	%	PercentMoisture
640-16868-58	AS-88 (0-1')					
Arsenic		14		1.0	mg/Kg	6010B
Percent Solids		90		0.00010	%	PercentMoisture
640-16868-59	AS-88 (1-2')					
Arsenic		5.5		0.96	mg/Kg	6010B
Percent Solids		96		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
640-16868-60	AS-88 (2-4')				
Arsenic		2.0	1.0	mg/Kg	6010B
Percent Solids		95	0.00010	%	PercentMoisture
640-16868-61	AS-89 (0-1')				
Arsenic		3.9	0.94	mg/Kg	6010B
Percent Solids		98	0.00010	%	PercentMoisture
640-16868-62	AS-89 (1-2')				
Arsenic		2.3	0.91	mg/Kg	6010B
Percent Solids		96	0.00010	%	PercentMoisture
640-16868-63	AS-89 (2-4')				
Arsenic		1.5	1.1	mg/Kg	6010B
Percent Solids		90	0.00010	%	PercentMoisture
640-16868-64	AS-90 (0-1')				
Arsenic		7.1	0.93	mg/Kg	6010B
Percent Solids		91	0.00010	%	PercentMoisture
640-16868-65	AS-90 (1-2')				
Arsenic		4.1	0.99	mg/Kg	6010B
Percent Solids		88	0.00010	%	PercentMoisture
640-16868-66	AS-90 (2-4')				
Arsenic		0.56	0.96	mg/Kg	6010B
Percent Solids		98	0.00010	%	PercentMoisture
640-16868-67	AS-91 (0-1')				
Arsenic		10	0.98	mg/Kg	6010B
Percent Solids		93	0.00010	%	PercentMoisture
640-16868-68	AS-91 (1-2')				
Arsenic		2.4	0.97	mg/Kg	6010B
Percent Solids		90	0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
640-16868-69	AS-91 (2-4')				
Arsenic		3.2	0.99	mg/Kg	6010B
Percent Solids		93	0.00010	%	PercentMoisture
640-16868-70	AS-92 (0-1')				
Arsenic		19	0.93	mg/Kg	6010B
Percent Solids		96	0.00010	%	PercentMoisture
640-16868-71	AS-92 (1-2')				
Arsenic		2.1	1.0	mg/Kg	6010B
Percent Solids		97	0.00010	%	PercentMoisture
640-16868-72	AS-92 (2-4')				
Arsenic		0.40	0.97	mg/Kg	6010B
Percent Solids		98	0.00010	%	PercentMoisture
640-16868-73	AS-93 (0-1')				
Arsenic		13	1.0	mg/Kg	6010B
Percent Solids		92	0.00010	%	PercentMoisture
640-16868-74	AS-DUPE-14				
Arsenic		22	0.99	mg/Kg	6010B
Percent Solids		92	0.00010	%	PercentMoisture
640-16868-75	AS-93 (1-2')				
Arsenic		1.6	0.85	mg/Kg	6010B
Percent Solids		98	0.00010	%	PercentMoisture
640-16868-76	AS-93 (2-4')				
Arsenic		4.2	0.91	mg/Kg	6010B
Percent Solids		97	0.00010	%	PercentMoisture
640-16868-77	AS-94 (0-1')				
Arsenic		5.5	0.96	mg/Kg	6010B
Percent Solids		95	0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
640-16868-78	AS-94 (1-2')				
Arsenic		1.0	0.89	mg/Kg	6010B
Percent Solids		99	0.00010	%	PercentMoisture
640-16868-79	AS-94 (2-4')				
Arsenic		0.51 I	0.86	mg/Kg	6010B
Percent Solids		97	0.00010	%	PercentMoisture
640-16868-80	AS-95 (0-1')				
Arsenic		6.5	0.86	mg/Kg	6010B
Percent Solids		98	0.00010	%	PercentMoisture
640-16868-81	AS-95 (1-2')				
Arsenic		5.8	0.88	mg/Kg	6010B
Percent Solids		96	0.00010	%	PercentMoisture
640-16868-82	AS-95 (2-4')				
Arsenic		1.0	0.86	mg/Kg	6010B
Percent Solids		97	0.00010	%	PercentMoisture
640-16868-83	AS-96 (0-1')				
Arsenic		12	0.93	mg/Kg	6010B
Percent Solids		97	0.00010	%	PercentMoisture
640-16868-84	AS-96 (1-2')				
Arsenic		0.51 I	0.97	mg/Kg	6010B
Percent Solids		98	0.00010	%	PercentMoisture
640-16868-85	AS-96 (2-4')				
Arsenic		1.9	0.98	mg/Kg	6010B
Percent Solids		92	0.00010	%	PercentMoisture
640-16868-86	AS-97 (0-1')				
Arsenic		4.8	0.92	mg/Kg	6010B
Percent Solids		92	0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16868-87	AS-97 (1-2')					
Arsenic		0.24	I	0.92	mg/Kg	6010B
Percent Solids		99		0.00010	%	PercentMoisture
640-16868-88	AS-97 (2-4')					
Arsenic		1.2		0.94	mg/Kg	6010B
Percent Solids		90		0.00010	%	PercentMoisture
640-16868-89	AS-100 (0-1')					
Arsenic		8.5		0.96	mg/Kg	6010B
Percent Solids		89		0.00010	%	PercentMoisture
640-16868-90	AS-100 (1-2')					
Arsenic		1.4		1.1	mg/Kg	6010B
Percent Solids		91		0.00010	%	PercentMoisture
640-16868-91	AS-100 (2-4')					
Arsenic		0.81	I	1.1	mg/Kg	6010B
Percent Solids		92		0.00010	%	PercentMoisture
640-16868-92	AS-101 (0-1)					
Arsenic		4.4		1.0	mg/Kg	6010B
Percent Solids		96		0.00010	%	PercentMoisture
640-16868-93	AS-101 (1-2)					
Arsenic		0.71	I	0.92	mg/Kg	6010B
Percent Solids		98		0.00010	%	PercentMoisture
640-16868-94	AS-101 (2-4)					
Arsenic		0.66	I	0.99	mg/Kg	6010B
Percent Solids		93		0.00010	%	PercentMoisture
640-16868-95	AS-102 (0-1')					
Arsenic		4.0		1.0	mg/Kg	6010B
Percent Solids		95		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
640-16868-96	AS-DUPE-15				
Arsenic		4.4	1.0	mg/Kg	6010B
Percent Solids		95	0.00010	%	PercentMoisture
640-16868-97	AS-102 (1-2')				
Arsenic		2.2	1.0	mg/Kg	6010B
Percent Solids		97	0.00010	%	PercentMoisture
640-16868-98	AS-102 (2-4')				
Arsenic		4.5	1.0	mg/Kg	6010B
Percent Solids		91	0.00010	%	PercentMoisture
640-16868-99	AS-103 (0-1')				
Arsenic		40	0.89	mg/Kg	6010B
Percent Solids		97	0.00010	%	PercentMoisture
640-16868-100	AS-103 (1-2')				
Arsenic		22	0.99	mg/Kg	6010B
Percent Solids		97	0.00010	%	PercentMoisture
640-16868-101	AS-103 (2-4')				
Arsenic		3.3	1.0	mg/Kg	6010B
Percent Solids		92	0.00010	%	PercentMoisture
640-16868-102	AS-107 (0-1')				
Arsenic		1.9	1.0	mg/Kg	6010B
Percent Solids		93	0.00010	%	PercentMoisture
640-16868-103	AS-107 (1-2')				
Arsenic		0.43	0.97	mg/Kg	6010B
Percent Solids		97	0.00010	%	PercentMoisture
640-16868-104	AS-107 (2-4')				
Arsenic		2.4	1.1	mg/Kg	6010B
Percent Solids		87	0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16868-105	AS-106 (0-1')					
Arsenic		5.8		0.89	mg/Kg	6010B
Percent Solids		95		0.00010	%	PercentMoisture
640-16868-106	AS-106 (1-2')					
Arsenic		0.77	I	0.89	mg/Kg	6010B
Percent Solids		94		0.00010	%	PercentMoisture
640-16868-107	AS-106 (2-4')					
Arsenic		0.61	I	0.93	mg/Kg	6010B
Percent Solids		94		0.00010	%	PercentMoisture
640-16868-108	AS-108 (0-1')					
Arsenic		4.2		0.91	mg/Kg	6010B
Percent Solids		94		0.00010	%	PercentMoisture
640-16868-109	AS-108 (1-2')					
Arsenic		1.5		0.89	mg/Kg	6010B
Percent Solids		97		0.00010	%	PercentMoisture
640-16868-110	AS-108 (2-4')					
Arsenic		1.7		0.96	mg/Kg	6010B
Percent Solids		93		0.00010	%	PercentMoisture
640-16868-111	AS-111 (0-1')					
Arsenic		2.9		0.99	mg/Kg	6010B
Percent Solids		94		0.00010	%	PercentMoisture
640-16868-112	AS-111 (1-2')					
Arsenic		0.78	I	0.97	mg/Kg	6010B
Percent Solids		96		0.00010	%	PercentMoisture
640-16868-113	AS-111 (2-4')					
Arsenic		1.5		1.0	mg/Kg	6010B
Percent Solids		92		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
640-16868-114	AS-112 (0-1')				
Arsenic		1.7	0.91	mg/Kg	6010B
Percent Solids		96	0.00010	%	PercentMoisture
640-16868-115	AS-112 (1-2')				
Arsenic		0.59 I	0.93	mg/Kg	6010B
Percent Solids		94	0.00010	%	PercentMoisture
640-16868-116	AS-112 (2-4')				
Arsenic		0.86 I	0.96	mg/Kg	6010B
Percent Solids		90	0.00010	%	PercentMoisture
640-16868-117	AS-115 (0-1')				
Arsenic		6.2	0.94	mg/Kg	6010B
Percent Solids		95	0.00010	%	PercentMoisture
640-16868-118	AS-115 (1-2')				
Arsenic		4.1	0.95	mg/Kg	6010B
Percent Solids		96	0.00010	%	PercentMoisture
640-16868-119	AS-DUPE-16				
Arsenic		8.1	0.96	mg/Kg	6010B
Percent Solids		94	0.00010	%	PercentMoisture
640-16868-120	AS-115 (2-4')				
Arsenic		0.39 I	0.97	mg/Kg	6010B
Percent Solids		97	0.00010	%	PercentMoisture
640-16868-121	AS-98 (0-1')				
Arsenic		15	1.0	mg/Kg	6010B
Percent Solids		94	0.00010	%	PercentMoisture
640-16868-122	AS-98 (1-2')				
Arsenic		3.9	0.98	mg/Kg	6010B
Percent Solids		97	0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16868-123	AS-98 (2-4')					
Arsenic		0.91	I	1.0	mg/Kg	6010B
Percent Solids		96		0.00010	%	PercentMoisture
640-16868-124	AS-99 (0-1')					
Arsenic		1.6		1.0	mg/Kg	6010B
Percent Solids		98		0.00010	%	PercentMoisture
640-16868-125	AS-99 (1-2')					
Arsenic		1.1		0.95	mg/Kg	6010B
Percent Solids		97		0.00010	%	PercentMoisture
640-16868-126	AS-99 (2-4')					
Arsenic		2.0		1.1	mg/Kg	6010B
Percent Solids		94		0.00010	%	PercentMoisture
640-16868-127	AS-104 (0-1')					
Arsenic		2.5		1.0	mg/Kg	6010B
Percent Solids		96		0.00010	%	PercentMoisture
640-16868-128	AS-104 (1-2')					
Arsenic		1.2		0.98	mg/Kg	6010B
Percent Solids		97		0.00010	%	PercentMoisture
640-16868-129	AS-104 (2-4')					
Arsenic		0.50	I	0.63	mg/Kg	6010B
Percent Solids		97		0.00010	%	PercentMoisture
640-16868-130	AS-105 (0-1')					
Arsenic		11		1.0	mg/Kg	6010B
Percent Solids		90		0.00010	%	PercentMoisture
640-16868-131	AS-105 (1-2')					
Arsenic		1.7		0.93	mg/Kg	6010B
Percent Solids		95		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
640-16868-132	AS-105 (2-4')				
Arsenic		1.5	0.92	mg/Kg	6010B
Percent Solids		94	0.00010	%	PercentMoisture
640-16868-133	AS-109 (0-1')				
Arsenic		11	1.0	mg/Kg	6010B
Percent Solids		94	0.00010	%	PercentMoisture
640-16868-134	AS-109 (1-2')				
Arsenic		2.6	0.93	mg/Kg	6010B
Percent Solids		94	0.00010	%	PercentMoisture
640-16868-135	AS-109 (2-4')				
Arsenic		0.76	0.95	mg/Kg	6010B
Percent Solids		90	0.00010	%	PercentMoisture
640-16868-136	AS-110 (0-1')				
Arsenic		5.7	0.98	mg/Kg	6010B
Percent Solids		93	0.00010	%	PercentMoisture
640-16868-137	AS-110 (1-2')				
Arsenic		1.4	0.91	mg/Kg	6010B
Percent Solids		96	0.00010	%	PercentMoisture
640-16868-138	AS-110 (2-4')				
Arsenic		0.93	0.99	mg/Kg	6010B
Percent Solids		91	0.00010	%	PercentMoisture
640-16868-139	AS-113 (0-1')				
Arsenic		7.1	1.0	mg/Kg	6010B
Percent Solids		95	0.00010	%	PercentMoisture
640-16868-140	AS-DUPE-17				
Arsenic		5.7	0.94	mg/Kg	6010B
Percent Solids		95	0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
640-16868-141	AS-113 (1-2')				
Arsenic		1.4	0.89	mg/Kg	6010B
Percent Solids		96	0.00010	%	PercentMoisture
640-16868-142	AS-113 (2-4')				
Arsenic		3.4	0.92	mg/Kg	6010B
Percent Solids		94	0.00010	%	PercentMoisture
640-16868-143	AS-114 (0-1')				
Arsenic		7.0	0.98	mg/Kg	6010B
Percent Solids		93	0.00010	%	PercentMoisture
640-16868-144	AS-114 (1-2')				
Arsenic		4.0	0.92	mg/Kg	6010B
Percent Solids		95	0.00010	%	PercentMoisture
640-16868-145	AS-114 (2-4')				
Arsenic		1.2	0.95	mg/Kg	6010B
Percent Solids		92	0.00010	%	PercentMoisture

METHOD SUMMARY

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL TAL	SW846 8270C	
Ultrasonic Extraction	TAL TAL		SW846 3550B
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL TAL	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	TAL TAL		SW846 3050B

Lab References:

TAL TAL = TestAmerica Tallahassee

Method References:

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

SAMPLE SUMMARY

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
640-16868-1	AS-75 (0-1')	Solid	05/28/2008 1418	05/30/2008 1319
640-16868-2	AS-75 (1-2')	Solid	05/28/2008 1419	05/30/2008 1319
640-16868-3	AS-75 (2-4')	Solid	05/28/2008 1420	05/30/2008 1319
640-16868-4	AS-76 (0-1')	Solid	05/28/2008 1430	05/30/2008 1319
640-16868-5	AS-76 (1-2')	Solid	05/28/2008 1431	05/30/2008 1319
640-16868-6	AS-76 (2-4')	Solid	05/28/2008 1432	05/30/2008 1319
640-16868-7	AS-77 (0-1')	Solid	05/28/2008 1434	05/30/2008 1319
640-16868-8	AS-77 (1-2')	Solid	05/28/2008 1435	05/30/2008 1319
640-16868-9	AS-77 (2-4')	Solid	05/28/2008 1436	05/30/2008 1319
640-16868-10	AS-DUPE-11	Solid	05/28/2008 0000	05/30/2008 1319
640-16868-11	AS-78 (0-1')	Solid	05/28/2008 1445	05/30/2008 1319
640-16868-12	AS-78 (1-2')	Solid	05/28/2008 1446	05/30/2008 1319
640-16868-13	AS-78 (2-4')	Solid	05/28/2008 1447	05/30/2008 1319
640-16868-14	AS-79 (0-1')	Solid	05/28/2008 1452	05/30/2008 1319
640-16868-15	AS-79 (1-2')	Solid	05/28/2008 1453	05/30/2008 1319
640-16868-16	AS-79 (2-4')	Solid	05/28/2008 1454	05/30/2008 1319
640-16868-17	AS-80 (0-1')	Solid	05/28/2008 1458	05/30/2008 1319
640-16868-18	AS-80 (1-2')	Solid	05/28/2008 1459	05/30/2008 1319
640-16868-19	AS-80 (2-4')	Solid	05/28/2008 1500	05/30/2008 1319
640-16868-20	AS-81 (0-1')	Solid	05/28/2008 1504	05/30/2008 1319
640-16868-21	AS-81 (1-2')	Solid	05/28/2008 1505	05/30/2008 1319
640-16868-22	AS-81 (2-4')	Solid	05/28/2008 1506	05/30/2008 1319
640-16868-23	AS-82 (0-1')	Solid	05/28/2008 1510	05/30/2008 1319
640-16868-24	AS-82 (1-2')	Solid	05/28/2008 1511	05/30/2008 1319
640-16868-25	AS-82 (2-4')	Solid	05/28/2008 1512	05/30/2008 1319
640-16868-26	AS-83 (0-1')	Solid	05/28/2008 1514	05/30/2008 1319
640-16868-27	AS-83 (1-2')	Solid	05/28/2008 1515	05/30/2008 1319
640-16868-28	AS-83 (2-4')	Solid	05/28/2008 1516	05/30/2008 1319
640-16868-29	AS-84 (0-1')	Solid	05/28/2008 1518	05/30/2008 1319
640-16868-30	AS-84 (1-2')	Solid	05/28/2008 1519	05/30/2008 1319
640-16868-31	AS-DUPE-12	Solid	05/28/2008 0000	05/30/2008 1319
640-16868-32	AS-84 (2-4')	Solid	05/28/2008 1520	05/30/2008 1319
640-16868-33	AS-85 (0-1')	Solid	05/28/2008 1523	05/30/2008 1319
640-16868-34	AS-85 (1-2')	Solid	05/28/2008 1524	05/30/2008 1319
640-16868-35	AS-85 (2-4')	Solid	05/28/2008 1525	05/30/2008 1319
640-16868-36	AS-86 (0-1')	Solid	05/28/2008 1526	05/30/2008 1319
640-16868-37	AS-86 (1-2')	Solid	05/28/2008 1527	05/30/2008 1319
640-16868-38	AS-86 (2-4')	Solid	05/28/2008 1528	05/30/2008 1319
640-16868-39	AS-87 (0-1')	Solid	05/28/2008 1530	05/30/2008 1319
640-16868-40	AS-87 (1-2')	Solid	05/28/2008 1531	05/30/2008 1319
640-16868-41	AS-87 (2-4')	Solid	05/28/2008 1532	05/30/2008 1319
640-16868-42	AS-18 (0-1')	Solid	05/28/2008 1554	05/30/2008 1319
640-16868-43	AS-18 (1-2')	Solid	05/28/2008 1555	05/30/2008 1319
640-16868-44	AS-18 (2-4')	Solid	05/28/2008 1556	05/30/2008 1319
640-16868-45	SS-16 (0-2')	Solid	05/28/2008 1600	05/30/2008 1319
640-16868-46	SS-16 (2-4')	Solid	05/28/2008 1601	05/30/2008 1319

SAMPLE SUMMARY

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
640-16868-47	SS-16 (4-6')	Solid	05/28/2008 1602	05/30/2008 1319
640-16868-48	SS-17 (0-2')	Solid	05/28/2008 1605	05/30/2008 1319
640-16868-49	SS-17 (2-4')	Solid	05/28/2008 1606	05/30/2008 1319
640-16868-50	SS-17 (4-6')	Solid	05/28/2008 1607	05/30/2008 1319
640-16868-51	SS-18 (0-2')	Solid	05/28/2008 1620	05/30/2008 1319
640-16868-52	SS-DUPE-13	Solid	05/28/2008 0000	05/30/2008 1319
640-16868-53	SS-18 (2-4')	Solid	05/28/2008 1621	05/30/2008 1319
640-16868-54	SS-18 (4-6')	Solid	05/28/2008 1622	05/30/2008 1319
640-16868-55	SS-19 (0-2)	Solid	05/28/2008 1645	05/30/2008 1319
640-16868-56	SS-19 (2-4)	Solid	05/28/2008 1646	05/30/2008 1319
640-16868-57	SS-19 (4-6)	Solid	05/28/2008 1647	05/30/2008 1319
640-16868-58	AS-88 (0-1')	Solid	05/29/2008 0841	05/30/2008 1319
640-16868-59	AS-88 (1-2')	Solid	05/29/2008 0842	05/30/2008 1319
640-16868-60	AS-88 (2-4')	Solid	05/29/2008 0843	05/30/2008 1319
640-16868-61	AS-89 (0-1')	Solid	05/29/2008 0848	05/30/2008 1319
640-16868-62	AS-89 (1-2')	Solid	05/29/2008 0849	05/30/2008 1319
640-16868-63	AS-89 (2-4')	Solid	05/29/2008 0850	05/30/2008 1319
640-16868-64	AS-90 (0-1')	Solid	05/29/2008 0854	05/30/2008 1319
640-16868-65	AS-90 (1-2')	Solid	05/29/2008 0855	05/30/2008 1319
640-16868-66	AS-90 (2-4')	Solid	05/29/2008 0856	05/30/2008 1319
640-16868-67	AS-91 (0-1')	Solid	05/29/2008 0900	05/30/2008 1319
640-16868-68	AS-91 (1-2')	Solid	05/29/2008 0901	05/30/2008 1319
640-16868-69	AS-91 (2-4')	Solid	05/29/2008 0902	05/30/2008 1319
640-16868-70	AS-92 (0-1')	Solid	05/29/2008 0904	05/30/2008 1319
640-16868-71	AS-92 (1-2')	Solid	05/29/2008 0905	05/30/2008 1319
640-16868-72	AS-92 (2-4')	Solid	05/29/2008 0906	05/30/2008 1319
640-16868-73	AS-93 (0-1')	Solid	05/29/2008 0908	05/30/2008 1319
640-16868-74	AS-DUPE-14	Solid	05/29/2008 0000	05/30/2008 1319
640-16868-75	AS-93 (1-2')	Solid	05/29/2008 0909	05/30/2008 1319
640-16868-76	AS-93 (2-4')	Solid	05/29/2008 0910	05/30/2008 1319
640-16868-77	AS-94 (0-1')	Solid	05/29/2008 0914	05/30/2008 1319
640-16868-78	AS-94 (1-2')	Solid	05/29/2008 0915	05/30/2008 1319
640-16868-79	AS-94 (2-4')	Solid	05/29/2008 0916	05/30/2008 1319
640-16868-80	AS-95 (0-1')	Solid	05/29/2008 0918	05/30/2008 1319
640-16868-81	AS-95 (1-2')	Solid	05/29/2008 0919	05/30/2008 1319
640-16868-82	AS-95 (2-4')	Solid	05/29/2008 0920	05/30/2008 1319
640-16868-83	AS-96 (0-1')	Solid	05/29/2008 0925	05/30/2008 1319
640-16868-84	AS-96 (1-2')	Solid	05/29/2008 0926	05/30/2008 1319
640-16868-85	AS-96 (2-4')	Solid	05/29/2008 0927	05/30/2008 1319
640-16868-86	AS-97 (0-1')	Solid	05/29/2008 0932	05/30/2008 1319
640-16868-87	AS-97 (1-2')	Solid	05/29/2008 0933	05/30/2008 1319
640-16868-88	AS-97 (2-4')	Solid	05/29/2008 0934	05/30/2008 1319
640-16868-89	AS-100 (0-1')	Solid	05/29/2008 0944	05/30/2008 1319
640-16868-90	AS-100 (1-2')	Solid	05/29/2008 0945	05/30/2008 1319
640-16868-91	AS-100 (2-4')	Solid	05/29/2008 0946	05/30/2008 1319
640-16868-92	AS-101 (0-1)	Solid	05/29/2008 0950	05/30/2008 1319

SAMPLE SUMMARY

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
640-16868-93	AS-101 (1-2)	Solid	05/29/2008 0951	05/30/2008 1319
640-16868-94	AS-101 (2-4)	Solid	05/29/2008 0952	05/30/2008 1319
640-16868-95	AS-102 (0-1')	Solid	05/29/2008 0954	05/30/2008 1319
640-16868-96	AS-DUPE-15	Solid	05/29/2008 0000	05/30/2008 1319
640-16868-97	AS-102 (1-2')	Solid	05/29/2008 0955	05/30/2008 1319
640-16868-98	AS-102 (2-4')	Solid	05/29/2008 0956	05/30/2008 1319
640-16868-99	AS-103 (0-1')	Solid	05/29/2008 1002	05/30/2008 1319
640-16868-100	AS-103 (1-2')	Solid	05/29/2008 1003	05/30/2008 1319
640-16868-101	AS-103 (2-4')	Solid	05/29/2008 1004	05/30/2008 1319
640-16868-102	AS-107 (0-1')	Solid	05/29/2008 1010	05/30/2008 1319
640-16868-103	AS-107 (1-2')	Solid	05/29/2008 1011	05/30/2008 1319
640-16868-104	AS-107 (2-4')	Solid	05/29/2008 1012	05/30/2008 1319
640-16868-105	AS-106 (0-1')	Solid	05/29/2008 1018	05/30/2008 1319
640-16868-106	AS-106 (1-2')	Solid	05/29/2008 1019	05/30/2008 1319
640-16868-107	AS-106 (2-4')	Solid	05/29/2008 1020	05/30/2008 1319
640-16868-108	AS-108 (0-1')	Solid	05/29/2008 1025	05/30/2008 1319
640-16868-109	AS-108 (1-2')	Solid	05/29/2008 1026	05/30/2008 1319
640-16868-110	AS-108 (2-4')	Solid	05/29/2008 1027	05/30/2008 1319
640-16868-111	AS-111 (0-1')	Solid	05/29/2008 1032	05/30/2008 1319
640-16868-112	AS-111 (1-2')	Solid	05/29/2008 1033	05/30/2008 1319
640-16868-113	AS-111 (2-4')	Solid	05/29/2008 1034	05/30/2008 1319
640-16868-114	AS-112 (0-1)	Solid	05/29/2008 1042	05/30/2008 1319
640-16868-115	AS-112 (1-2)	Solid	05/29/2008 1043	05/30/2008 1319
640-16868-116	AS-112 (2-4)	Solid	05/29/2008 1044	05/30/2008 1319
640-16868-117	AS-115 (0-1')	Solid	05/29/2008 1048	05/30/2008 1319
640-16868-118	AS-115 (1-2')	Solid	05/29/2008 1049	05/30/2008 1319
640-16868-119	AS-DUPE-16	Solid	05/29/2008 0000	05/30/2008 1319
640-16868-120	AS-115 (2-4')	Solid	05/29/2008 1050	05/30/2008 1319
640-16868-121	AS-98 (0-1')	Solid	05/29/2008 1106	05/30/2008 1319
640-16868-122	AS-98 (1-2')	Solid	05/29/2008 1107	05/30/2008 1319
640-16868-123	AS-98 (2-4')	Solid	05/29/2008 1108	05/30/2008 1319
640-16868-124	AS-99 (0-1')	Solid	05/29/2008 1112	05/30/2008 1319
640-16868-125	AS-99 (1-2')	Solid	05/29/2008 1113	05/30/2008 1319
640-16868-126	AS-99 (2-4')	Solid	05/29/2008 1114	05/30/2008 1319
640-16868-127	AS-104 (0-1')	Solid	05/29/2008 1118	05/30/2008 1319
640-16868-128	AS-104 (1-2')	Solid	05/29/2008 1119	05/30/2008 1319
640-16868-129	AS-104 (2-4')	Solid	05/29/2008 1120	05/30/2008 1319
640-16868-130	AS-105 (0-1')	Solid	05/29/2008 1125	05/30/2008 1319
640-16868-131	AS-105 (1-2')	Solid	05/29/2008 1126	05/30/2008 1319
640-16868-132	AS-105 (2-4')	Solid	05/29/2008 1127	05/30/2008 1319
640-16868-133	AS-109 (0-1')	Solid	05/29/2008 1132	05/30/2008 1319
640-16868-134	AS-109 (1-2')	Solid	05/29/2008 1133	05/30/2008 1319
640-16868-135	AS-109 (2-4')	Solid	05/29/2008 1134	05/30/2008 1319
640-16868-136	AS-110 (0-1')	Solid	05/29/2008 1136	05/30/2008 1319
640-16868-137	AS-110 (1-2')	Solid	05/29/2008 1137	05/30/2008 1319
640-16868-138	AS-110 (2-4')	Solid	05/29/2008 1138	05/30/2008 1319

SAMPLE SUMMARY

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
640-16868-139	AS-113 (0-1')	Solid	05/29/2008 1140	05/30/2008 1319
640-16868-140	AS-DUPE-17	Solid	05/29/2008 0000	05/30/2008 1319
640-16868-141	AS-113 (1-2')	Solid	05/29/2008 1141	05/30/2008 1319
640-16868-142	AS-113 (2-4')	Solid	05/29/2008 1142	05/30/2008 1319
640-16868-143	AS-114 (0-1')	Solid	05/29/2008 1200	05/30/2008 1319
640-16868-144	AS-114 (1-2')	Solid	05/29/2008 1201	05/30/2008 1319
640-16868-145	AS-114 (2-4')	Solid	05/29/2008 1202	05/30/2008 1319

SAMPLE RESULTS

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-16 (0-2')

Lab Sample ID: 640-16868-45

Date Sampled: 05/28/2008 1600

Client Matrix: Solid

% Moisture: 12.6

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061130.D

Dilution: 1.0

Initial Weight/Volume: 30.05 g

Date Analyzed: 06/11/2008 1438

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
1,2,4-Trichlorobenzene		15	U	15	380
1,2-Dichlorobenzene		29	U	29	380
1,3-Dichlorobenzene		23	U	23	380
1,4-Dichlorobenzene		19	U	19	380
2,2'-oxybis[1-chloropropane]		19	U	19	380
2,4,5-Trichlorophenol		69	U	69	380
2,4,6-Trichlorophenol		18	U	18	380
2,4-Dichlorophenol		25	U	25	380
2,4-Dimethylphenol		16	U	16	380
2,4-Dinitrophenol		190	U	190	1900
2,4-Dinitrotoluene		18	U	18	380
2,6-Dinitrotoluene		18	U	18	380
2-Chloronaphthalene		19	U	19	380
2-Chlorophenol		19	U	19	380
2-Methylnaphthalene		13	U	13	380
2-Methylphenol		22	U	22	380
2-Nitroaniline		10	U	10	1900
2-Nitrophenol		25	U	25	380
3 & 4 Methylphenol		26	U	26	380
3,3'-Dichlorobenzidine		15	U	15	750
3-Nitroaniline		26	U	26	1900
4,6-Dinitro-2-methylphenol		190	U	190	1900
4-Bromophenyl phenyl ether		21	U	21	380
4-Chloro-3-methylphenol		34	U	34	380
4-Chloroaniline		15	U	15	750
4-Chlorophenyl phenyl ether		16	U	16	380
4-Nitroaniline		26	U	26	1900
4-Nitrophenol		240	U	240	1900
Acenaphthene		29	U	29	380
Acenaphthylene		49	U	49	380
Anthracene		31	I	25	380
Benzo[a]anthracene		170	I	14	380
Benzo[a]pyrene		220	I	11	380
Benzo[b]fluoranthene		410		6.6	380
Benzo[g,h,i]perylene		400	V	19	380
Benzo[k]fluoranthene		140	I	24	380
Bis(2-chloroethoxy)methane		26	U	26	380
Bis(2-chloroethyl)ether		29	U	29	380
Bis(2-ethylhexyl) phthalate		97	I V	13	380
Butyl benzyl phthalate		15	U	15	380
Carbazole		26	I	18	380
Chrysene		320	I	24	380
Dibenz(a,h)anthracene		85	I	14	380
Dibenzofuran		13	U	13	380

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-16 (0-2')

Lab Sample ID: 640-16868-45

Date Sampled: 05/28/2008 1600

Client Matrix: Solid

% Moisture: 12.6

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061130.D

Dilution: 1.0

Initial Weight/Volume: 30.05 g

Date Analyzed: 06/11/2008 1438

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
Diethyl phthalate		16	U	16	380
Dimethyl phthalate		21	U	21	380
Di-n-butyl phthalate		86	U	86	380
Di-n-octyl phthalate		43	I	15	380
Fluoranthene		290	I	22	380
Fluorene		27	U	27	380
Hexachlorobenzene		29	U	29	380
Hexachlorobutadiene		24	U	24	380
Hexachlorocyclopentadiene		18	U	18	380
Hexachloroethane		23	U	23	380
Indeno[1,2,3-cd]pyrene		260	I	16	380
Isophorone		14	U	14	380
Naphthalene		24	U	24	380
Nitrobenzene		18	U	18	380
N-Nitrosodi-n-propylamine		18	U	18	380
N-Nitrosodiphenylamine		56	U	56	380
Pentachlorophenol		56	U	56	1900
Phenanthrene		170	I	26	380
Phenol		22	U	22	380
Pyrene		330	I	18	380

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	54	27 - 135
Phenol-d5	54	24 - 135
2-Fluorobiphenyl	62	30 - 135
2,4,6-Tribromophenol	80	24 - 135
Nitrobenzene-d5	59	22 - 135
Terphenyl-d14	81	36 - 135

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-16 (2-4')

Lab Sample ID: 640-16868-46

Date Sampled: 05/28/2008 1601

Client Matrix: Solid

% Moisture: 10.5

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061131.D

Dilution: 1.0

Initial Weight/Volume: 30.04 g

Date Analyzed: 06/11/2008 1501

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
1,2,4-Trichlorobenzene		15	U	15	370
1,2-Dichlorobenzene		28	U	28	370
1,3-Dichlorobenzene		22	U	22	370
1,4-Dichlorobenzene		19	U	19	370
2,2'-oxybis[1-chloropropane]		19	U	19	370
2,4,5-Trichlorophenol		67	U	67	370
2,4,6-Trichlorophenol		18	U	18	370
2,4-Dichlorophenol		25	U	25	370
2,4-Dimethylphenol		16	U	16	370
2,4-Dinitrophenol		190	U	190	1900
2,4-Dinitrotoluene		18	U	18	370
2,6-Dinitrotoluene		18	U	18	370
2-Chloronaphthalene		19	U	19	370
2-Chlorophenol		19	U	19	370
2-Methylnaphthalene		12	U	12	370
2-Methylphenol		21	U	21	370
2-Nitroaniline		9.9	U	9.9	1900
2-Nitrophenol		25	U	25	370
3 & 4 Methylphenol		26	U	26	370
3,3'-Dichlorobenzidine		15	U	15	740
3-Nitroaniline		26	U	26	1900
4,6-Dinitro-2-methylphenol		190	U	190	1900
4-Bromophenyl phenyl ether		20	U	20	370
4-Chloro-3-methylphenol		33	U	33	370
4-Chloroaniline		15	U	15	740
4-Chlorophenyl phenyl ether		16	U	16	370
4-Nitroaniline		26	U	26	1900
4-Nitrophenol		230	U	230	1900
Acenaphthene		28	U	28	370
Acenaphthylene		48	U	48	370
Anthracene		25	U	25	370
Benzo[a]anthracene		13	U	13	370
Benzo[a]pyrene		11	U	11	370
Benzo[b]fluoranthene		6.5	U	6.5	370
Benzo[g,h,i]perylene		19	U	19	370
Benzo[k]fluoranthene		23	U	23	370
Bis(2-chloroethoxy)methane		26	U	26	370
Bis(2-chloroethyl)ether		28	U	28	370
Bis(2-ethylhexyl) phthalate		28	I V	12	370
Butyl benzyl phthalate		15	U	15	370
Carbazole		18	U	18	370
Chrysene		23	U	23	370
Dibenz(a,h)anthracene		13	U	13	370
Dibenzofuran		12	U	12	370

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-16 (2-4')

Lab Sample ID: 640-16868-46

Date Sampled: 05/28/2008 1601

Client Matrix: Solid

% Moisture: 10.5

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061131.D

Dilution: 1.0

Initial Weight/Volume: 30.04 g

Date Analyzed: 06/11/2008 1501

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
Diethyl phthalate		16	U	16	370
Dimethyl phthalate		20	U	20	370
Di-n-butyl phthalate		84	U	84	370
Di-n-octyl phthalate		15	U	15	370
Fluoranthene		21	U	21	370
Fluorene		27	U	27	370
Hexachlorobenzene		28	U	28	370
Hexachlorobutadiene		23	U	23	370
Hexachlorocyclopentadiene		18	U	18	370
Hexachloroethane		22	U	22	370
Indeno[1,2,3-cd]pyrene		16	U	16	370
Isophorone		13	U	13	370
Naphthalene		23	U	23	370
Nitrobenzene		18	U	18	370
N-Nitrosodi-n-propylamine		18	U	18	370
N-Nitrosodiphenylamine		55	U	55	370
Pentachlorophenol		55	U	55	1900
Phenanthrene		26	U	26	370
Phenol		21	U	21	370
Pyrene		18	U	18	370

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	68	27 - 135
Phenol-d5	66	24 - 135
2-Fluorobiphenyl	74	30 - 135
2,4,6-Tribromophenol	109	24 - 135
Nitrobenzene-d5	74	22 - 135
Terphenyl-d14	96	36 - 135

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-16 (4-6')

Lab Sample ID: 640-16868-47

Date Sampled: 05/28/2008 1602

Client Matrix: Solid

% Moisture: 15.9

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061132.D

Dilution: 1.0

Initial Weight/Volume: 30.01 g

Date Analyzed: 06/11/2008 1524

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
1,2,4-Trichlorobenzene		15	U	15	390
1,2-Dichlorobenzene		30	U	30	390
1,3-Dichlorobenzene		24	U	24	390
1,4-Dichlorobenzene		20	U	20	390
2,2'-oxybis[1-chloropropane]		20	U	20	390
2,4,5-Trichlorophenol		71	U	71	390
2,4,6-Trichlorophenol		19	U	19	390
2,4-Dichlorophenol		26	U	26	390
2,4-Dimethylphenol		17	U	17	390
2,4-Dinitrophenol		200	U	200	2000
2,4-Dinitrotoluene		19	U	19	390
2,6-Dinitrotoluene		19	U	19	390
2-Chloronaphthalene		20	U	20	390
2-Chlorophenol		20	U	20	390
2-Methylnaphthalene		13	U	13	390
2-Methylphenol		23	U	23	390
2-Nitroaniline		11	U	11	2000
2-Nitrophenol		26	U	26	390
3 & 4 Methylphenol		27	U	27	390
3,3'-Dichlorobenzidine		15	U	15	780
3-Nitroaniline		27	U	27	2000
4,6-Dinitro-2-methylphenol		200	U	200	2000
4-Bromophenyl phenyl ether		21	U	21	390
4-Chloro-3-methylphenol		36	U	36	390
4-Chloroaniline		15	U	15	780
4-Chlorophenyl phenyl ether		17	U	17	390
4-Nitroaniline		27	U	27	2000
4-Nitrophenol		250	U	250	2000
Acenaphthene		30	U	30	390
Acenaphthylene		51	U	51	390
Anthracene		26	U	26	390
Benzo[a]anthracene		14	U	14	390
Benzo[a]pyrene		12	U	12	390
Benzo[b]fluoranthene		6.9	U	6.9	390
Benzo[g,h,i]perylene		20	U	20	390
Benzo[k]fluoranthene		25	U	25	390
Bis(2-chloroethoxy)methane		27	U	27	390
Bis(2-chloroethyl)ether		30	U	30	390
Bis(2-ethylhexyl) phthalate		17	I V	13	390
Butyl benzyl phthalate		15	U	15	390
Carbazole		19	U	19	390
Chrysene		25	U	25	390
Dibenz(a,h)anthracene		14	U	14	390
Dibenzofuran		13	U	13	390

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-16 (4-6')

Lab Sample ID: 640-16868-47

Date Sampled: 05/28/2008 1602

Client Matrix: Solid

% Moisture: 15.9

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061132.D

Dilution: 1.0

Initial Weight/Volume: 30.01 g

Date Analyzed: 06/11/2008 1524

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
Diethyl phthalate		17	U	17	390
Dimethyl phthalate		21	U	21	390
Di-n-butyl phthalate		89	U	89	390
Di-n-octyl phthalate		15	U	15	390
Fluoranthene		23	U	23	390
Fluorene		29	U	29	390
Hexachlorobenzene		30	U	30	390
Hexachlorobutadiene		25	U	25	390
Hexachlorocyclopentadiene		19	U	19	390
Hexachloroethane		24	U	24	390
Indeno[1,2,3-cd]pyrene		17	U	17	390
Isophorone		14	U	14	390
Naphthalene		25	U	25	390
Nitrobenzene		19	U	19	390
N-Nitrosodi-n-propylamine		19	U	19	390
N-Nitrosodiphenylamine		58	U	58	390
Pentachlorophenol		58	U	58	2000
Phenanthrene		27	U	27	390
Phenol		23	U	23	390
Pyrene		19	U	19	390

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	61	27 - 135
Phenol-d5	58	24 - 135
2-Fluorobiphenyl	64	30 - 135
2,4,6-Tribromophenol	93	24 - 135
Nitrobenzene-d5	64	22 - 135
Terphenyl-d14	79	36 - 135

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-17 (0-2')

Lab Sample ID: 640-16868-48

Date Sampled: 05/28/2008 1605

Client Matrix: Solid

% Moisture: 6.9

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061133.D

Dilution: 1.0

Initial Weight/Volume: 30.04 g

Date Analyzed: 06/11/2008 1547

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
1,2,4-Trichlorobenzene		14	U	14	350
1,2-Dichlorobenzene		27	U	27	350
1,3-Dichlorobenzene		21	U	21	350
1,4-Dichlorobenzene		18	U	18	350
2,2'-oxybis[1-chloropropane]		18	U	18	350
2,4,5-Trichlorophenol		64	U	64	350
2,4,6-Trichlorophenol		17	U	17	350
2,4-Dichlorophenol		24	U	24	350
2,4-Dimethylphenol		15	U	15	350
2,4-Dinitrophenol		180	U	180	1800
2,4-Dinitrotoluene		17	U	17	350
2,6-Dinitrotoluene		17	U	17	350
2-Chloronaphthalene		18	U	18	350
2-Chlorophenol		18	U	18	350
2-Methylnaphthalene		12	U	12	350
2-Methylphenol		20	U	20	350
2-Nitroaniline		9.5	U	9.5	1800
2-Nitrophenol		24	U	24	350
3 & 4 Methylphenol		25	U	25	350
3,3'-Dichlorobenzidine		14	U	14	710
3-Nitroaniline		25	U	25	1800
4,6-Dinitro-2-methylphenol		180	U	180	1800
4-Bromophenyl phenyl ether		19	U	19	350
4-Chloro-3-methylphenol		32	U	32	350
4-Chloroaniline		14	U	14	710
4-Chlorophenyl phenyl ether		15	U	15	350
4-Nitroaniline		25	U	25	1800
4-Nitrophenol		230	U	230	1800
Acenaphthene		27	U	27	350
Acenaphthylene		46	U	46	350
Anthracene		24	U	24	350
Benzo[a]anthracene		13	U	13	350
Benzo[a]pyrene		10	U	10	350
Benzo[b]fluoranthene		6.2	U	6.2	350
Benzo[g,h,i]perylene		18	U	18	350
Benzo[k]fluoranthene		23	U	23	350
Bis(2-chloroethoxy)methane		25	U	25	350
Bis(2-chloroethyl)ether		27	U	27	350
Bis(2-ethylhexyl) phthalate		12	U	12	350
Butyl benzyl phthalate		14	U	14	350
Carbazole		17	U	17	350
Chrysene		23	U	23	350
Dibenz(a,h)anthracene		13	U	13	350
Dibenzofuran		12	U	12	350

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-17 (0-2')

Lab Sample ID: 640-16868-48

Date Sampled: 05/28/2008 1605

Client Matrix: Solid

% Moisture: 6.9

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061133.D

Dilution: 1.0

Initial Weight/Volume: 30.04 g

Date Analyzed: 06/11/2008 1547

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
Diethyl phthalate		15	U	15	350
Dimethyl phthalate		19	U	19	350
Di-n-butyl phthalate		80	U	80	350
Di-n-octyl phthalate		14	U	14	350
Fluoranthene		20	U	20	350
Fluorene		26	U	26	350
Hexachlorobenzene		27	U	27	350
Hexachlorobutadiene		23	U	23	350
Hexachlorocyclopentadiene		17	U	17	350
Hexachloroethane		21	U	21	350
Indeno[1,2,3-cd]pyrene		15	U	15	350
Isophorone		13	U	13	350
Naphthalene		23	U	23	350
Nitrobenzene		17	U	17	350
N-Nitrosodi-n-propylamine		17	U	17	350
N-Nitrosodiphenylamine		53	U	53	350
Pentachlorophenol		53	U	53	1800
Phenanthrene		25	U	25	350
Phenol		20	U	20	350
Pyrene		17	U	17	350

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	67	27 - 135
Phenol-d5	64	24 - 135
2-Fluorobiphenyl	73	30 - 135
2,4,6-Tribromophenol	103	24 - 135
Nitrobenzene-d5	74	22 - 135
Terphenyl-d14	91	36 - 135

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-17 (2-4')

Lab Sample ID: 640-16868-49

Date Sampled: 05/28/2008 1606

Client Matrix: Solid

% Moisture: 12.7

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061134.D

Dilution: 1.0

Initial Weight/Volume: 30.05 g

Date Analyzed: 06/11/2008 1610

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
1,2,4-Trichlorobenzene		15	U	15	380
1,2-Dichlorobenzene		29	U	29	380
1,3-Dichlorobenzene		23	U	23	380
1,4-Dichlorobenzene		19	U	19	380
2,2'-oxybis[1-chloropropane]		19	U	19	380
2,4,5-Trichlorophenol		69	U	69	380
2,4,6-Trichlorophenol		18	U	18	380
2,4-Dichlorophenol		25	U	25	380
2,4-Dimethylphenol		16	U	16	380
2,4-Dinitrophenol		190	U	190	1900
2,4-Dinitrotoluene		18	U	18	380
2,6-Dinitrotoluene		18	U	18	380
2-Chloronaphthalene		19	U	19	380
2-Chlorophenol		19	U	19	380
2-Methylnaphthalene		13	U	13	380
2-Methylphenol		22	U	22	380
2-Nitroaniline		10	U	10	1900
2-Nitrophenol		25	U	25	380
3 & 4 Methylphenol		26	U	26	380
3,3'-Dichlorobenzidine		15	U	15	750
3-Nitroaniline		26	U	26	1900
4,6-Dinitro-2-methylphenol		190	U	190	1900
4-Bromophenyl phenyl ether		21	U	21	380
4-Chloro-3-methylphenol		34	U	34	380
4-Chloroaniline		15	U	15	750
4-Chlorophenyl phenyl ether		16	U	16	380
4-Nitroaniline		26	U	26	1900
4-Nitrophenol		240	U	240	1900
Acenaphthene		29	U	29	380
Acenaphthylene		49	U	49	380
Anthracene		25	U	25	380
Benzo[a]anthracene		14	U	14	380
Benzo[a]pyrene		11	U	11	380
Benzo[b]fluoranthene		6.6	U	6.6	380
Benzo[g,h,i]perylene		19	U	19	380
Benzo[k]fluoranthene		24	U	24	380
Bis(2-chloroethoxy)methane		26	U	26	380
Bis(2-chloroethyl)ether		29	U	29	380
Bis(2-ethylhexyl) phthalate		22	I V	13	380
Butyl benzyl phthalate		15	U	15	380
Carbazole		18	U	18	380
Chrysene		24	U	24	380
Dibenz(a,h)anthracene		14	U	14	380
Dibenzofuran		13	U	13	380

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-17 (2-4')

Lab Sample ID: 640-16868-49

Date Sampled: 05/28/2008 1606

Client Matrix: Solid

% Moisture: 12.7

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061134.D

Dilution: 1.0

Initial Weight/Volume: 30.05 g

Date Analyzed: 06/11/2008 1610

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
Diethyl phthalate		16	U	16	380
Dimethyl phthalate		21	U	21	380
Di-n-butyl phthalate		86	U	86	380
Di-n-octyl phthalate		15	U	15	380
Fluoranthene		22	U	22	380
Fluorene		27	U	27	380
Hexachlorobenzene		29	U	29	380
Hexachlorobutadiene		24	U	24	380
Hexachlorocyclopentadiene		18	U	18	380
Hexachloroethane		23	U	23	380
Indeno[1,2,3-cd]pyrene		16	U	16	380
Isophorone		14	U	14	380
Naphthalene		24	U	24	380
Nitrobenzene		18	U	18	380
N-Nitrosodi-n-propylamine		18	U	18	380
N-Nitrosodiphenylamine		56	U	56	380
Pentachlorophenol		56	U	56	1900
Phenanthrene		26	U	26	380
Phenol		22	U	22	380
Pyrene		18	U	18	380

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	61	27 - 135
Phenol-d5	58	24 - 135
2-Fluorobiphenyl	64	30 - 135
2,4,6-Tribromophenol	100	24 - 135
Nitrobenzene-d5	65	22 - 135
Terphenyl-d14	87	36 - 135

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-17 (4-6')

Lab Sample ID: 640-16868-50

Date Sampled: 05/28/2008 1607

Client Matrix: Solid

% Moisture: 14.7

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061135.D

Dilution: 1.0

Initial Weight/Volume: 30.04 g

Date Analyzed: 06/11/2008 1633

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
1,2,4-Trichlorobenzene		15	U	15	390
1,2-Dichlorobenzene		29	U	29	390
1,3-Dichlorobenzene		23	U	23	390
1,4-Dichlorobenzene		20	U	20	390
2,2'-oxybis[1-chloropropane]		20	U	20	390
2,4,5-Trichlorophenol		70	U	70	390
2,4,6-Trichlorophenol		19	U	19	390
2,4-Dichlorophenol		26	U	26	390
2,4-Dimethylphenol		16	U	16	390
2,4-Dinitrophenol		200	U	200	2000
2,4-Dinitrotoluene		19	U	19	390
2,6-Dinitrotoluene		19	U	19	390
2-Chloronaphthalene		20	U	20	390
2-Chlorophenol		20	U	20	390
2-Methylnaphthalene		13	U	13	390
2-Methylphenol		22	U	22	390
2-Nitroaniline		10	U	10	2000
2-Nitrophenol		26	U	26	390
3 & 4 Methylphenol		27	U	27	390
3,3'-Dichlorobenzidine		15	U	15	770
3-Nitroaniline		27	U	27	2000
4,6-Dinitro-2-methylphenol		200	U	200	2000
4-Bromophenyl phenyl ether		21	U	21	390
4-Chloro-3-methylphenol		35	U	35	390
4-Chloroaniline		15	U	15	770
4-Chlorophenyl phenyl ether		16	U	16	390
4-Nitroaniline		27	U	27	2000
4-Nitrophenol		250	U	250	2000
Acenaphthene		29	U	29	390
Acenaphthylene		50	U	50	390
Anthracene		26	U	26	390
Benzo[a]anthracene		14	U	14	390
Benzo[a]pyrene		11	U	11	390
Benzo[b]fluoranthene		6.8	U	6.8	390
Benzo[g,h,i]perylene		20	U	20	390
Benzo[k]fluoranthene		25	U	25	390
Bis(2-chloroethoxy)methane		27	U	27	390
Bis(2-chloroethyl)ether		29	U	29	390
Bis(2-ethylhexyl) phthalate		13	U	13	390
Butyl benzyl phthalate		15	U	15	390
Carbazole		19	U	19	390
Chrysene		25	U	25	390
Dibenz(a,h)anthracene		14	U	14	390
Dibenzofuran		13	U	13	390

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-17 (4-6')

Lab Sample ID: 640-16868-50

Date Sampled: 05/28/2008 1607

Client Matrix: Solid

% Moisture: 14.7

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061135.D

Dilution: 1.0

Initial Weight/Volume: 30.04 g

Date Analyzed: 06/11/2008 1633

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
Diethyl phthalate		16	U	16	390
Dimethyl phthalate		21	U	21	390
Di-n-butyl phthalate		88	U	88	390
Di-n-octyl phthalate		15	U	15	390
Fluoranthene		22	U	22	390
Fluorene		28	U	28	390
Hexachlorobenzene		29	U	29	390
Hexachlorobutadiene		25	U	25	390
Hexachlorocyclopentadiene		19	U	19	390
Hexachloroethane		23	U	23	390
Indeno[1,2,3-cd]pyrene		16	U	16	390
Isophorone		14	U	14	390
Naphthalene		25	U	25	390
Nitrobenzene		19	U	19	390
N-Nitrosodi-n-propylamine		19	U	19	390
N-Nitrosodiphenylamine		57	U	57	390
Pentachlorophenol		57	U	57	2000
Phenanthrene		27	U	27	390
Phenol		22	U	22	390
Pyrene		19	U	19	390

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	44	27 - 135
Phenol-d5	43	24 - 135
2-Fluorobiphenyl	46	30 - 135
2,4,6-Tribromophenol	90	24 - 135
Nitrobenzene-d5	45	22 - 135
Terphenyl-d14	83	36 - 135

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-18 (0-2')

Lab Sample ID: 640-16868-51

Date Sampled: 05/28/2008 1620

Client Matrix: Solid

% Moisture: 10.2

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061136.D

Dilution: 1.0

Initial Weight/Volume: 30.07 g

Date Analyzed: 06/11/2008 1656

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
1,2,4-Trichlorobenzene		14	U	14	370
1,2-Dichlorobenzene		28	U	28	370
1,3-Dichlorobenzene		22	U	22	370
1,4-Dichlorobenzene		19	U	19	370
2,2'-oxybis[1-chloropropane]		19	U	19	370
2,4,5-Trichlorophenol		67	U	67	370
2,4,6-Trichlorophenol		18	U	18	370
2,4-Dichlorophenol		24	U	24	370
2,4-Dimethylphenol		16	U	16	370
2,4-Dinitrophenol		190	U	190	1900
2,4-Dinitrotoluene		18	U	18	370
2,6-Dinitrotoluene		18	U	18	370
2-Chloronaphthalene		19	U	19	370
2-Chlorophenol		19	U	19	370
2-Methylnaphthalene		12	U	12	370
2-Methylphenol		21	U	21	370
2-Nitroaniline		9.9	U	9.9	1900
2-Nitrophenol		24	U	24	370
3 & 4 Methylphenol		26	U	26	370
3,3'-Dichlorobenzidine		14	U	14	730
3-Nitroaniline		26	U	26	1900
4,6-Dinitro-2-methylphenol		190	U	190	1900
4-Bromophenyl phenyl ether		20	U	20	370
4-Chloro-3-methylphenol		33	U	33	370
4-Chloroaniline		14	U	14	730
4-Chlorophenyl phenyl ether		16	U	16	370
4-Nitroaniline		26	U	26	1900
4-Nitrophenol		230	U	230	1900
Acenaphthene		28	U	28	370
Acenaphthylene		48	U	48	370
Anthracene		24	U	24	370
Benzo[a]anthracene		13	U	13	370
Benzo[a]pyrene		11	U	11	370
Benzo[b]fluoranthene		6.4	U	6.4	370
Benzo[g,h,i]perylene		19	U	19	370
Benzo[k]fluoranthene		23	U	23	370
Bis(2-chloroethoxy)methane		26	U	26	370
Bis(2-chloroethyl)ether		28	U	28	370
Bis(2-ethylhexyl) phthalate		12	U	12	370
Butyl benzyl phthalate		14	U	14	370
Carbazole		18	U	18	370
Chrysene		23	U	23	370
Dibenz(a,h)anthracene		13	U	13	370
Dibenzofuran		12	U	12	370

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-18 (0-2')

Lab Sample ID: 640-16868-51

Date Sampled: 05/28/2008 1620

Client Matrix: Solid

% Moisture: 10.2

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061136.D

Dilution: 1.0

Initial Weight/Volume: 30.07 g

Date Analyzed: 06/11/2008 1656

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
Diethyl phthalate		16	U	16	370
Dimethyl phthalate		20	U	20	370
Di-n-butyl phthalate		83	U	83	370
Di-n-octyl phthalate		14	U	14	370
Fluoranthene		21	U	21	370
Fluorene		27	U	27	370
Hexachlorobenzene		28	U	28	370
Hexachlorobutadiene		23	U	23	370
Hexachlorocyclopentadiene		18	U	18	370
Hexachloroethane		22	U	22	370
Indeno[1,2,3-cd]pyrene		16	U	16	370
Isophorone		13	U	13	370
Naphthalene		23	U	23	370
Nitrobenzene		18	U	18	370
N-Nitrosodi-n-propylamine		18	U	18	370
N-Nitrosodiphenylamine		54	U	54	370
Pentachlorophenol		54	U	54	1900
Phenanthrene		26	U	26	370
Phenol		21	U	21	370
Pyrene		18	U	18	370

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	63	27 - 135
Phenol-d5	59	24 - 135
2-Fluorobiphenyl	65	30 - 135
2,4,6-Tribromophenol	95	24 - 135
Nitrobenzene-d5	67	22 - 135
Terphenyl-d14	87	36 - 135

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-DUPE-13

Lab Sample ID: 640-16868-52

Date Sampled: 05/28/2008 0000

Client Matrix: Solid

% Moisture: 9.8

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061137.D

Dilution: 1.0

Initial Weight/Volume: 30.07 g

Date Analyzed: 06/11/2008 1719

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
1,2,4-Trichlorobenzene		14	U	14	360
1,2-Dichlorobenzene		28	U	28	360
1,3-Dichlorobenzene		22	U	22	360
1,4-Dichlorobenzene		19	U	19	360
2,2'-oxybis[1-chloropropane]		19	U	19	360
2,4,5-Trichlorophenol		66	U	66	360
2,4,6-Trichlorophenol		18	U	18	360
2,4-Dichlorophenol		24	U	24	360
2,4-Dimethylphenol		15	U	15	360
2,4-Dinitrophenol		190	U	190	1900
2,4-Dinitrotoluene		18	U	18	360
2,6-Dinitrotoluene		18	U	18	360
2-Chloronaphthalene		19	U	19	360
2-Chlorophenol		19	U	19	360
2-Methylnaphthalene		12	U	12	360
2-Methylphenol		21	U	21	360
2-Nitroaniline		9.8	U	9.8	1900
2-Nitrophenol		24	U	24	360
3 & 4 Methylphenol		25	U	25	360
3,3'-Dichlorobenzidine		14	U	14	730
3-Nitroaniline		25	U	25	1900
4,6-Dinitro-2-methylphenol		190	U	190	1900
4-Bromophenyl phenyl ether		20	U	20	360
4-Chloro-3-methylphenol		33	U	33	360
4-Chloroaniline		14	U	14	730
4-Chlorophenyl phenyl ether		15	U	15	360
4-Nitroaniline		25	U	25	1900
4-Nitrophenol		230	U	230	1900
Acenaphthene		28	U	28	360
Acenaphthylene		48	U	48	360
Anthracene		24	U	24	360
Benzo[a]anthracene		13	U	13	360
Benzo[a]pyrene		11	U	11	360
Benzo[b]fluoranthene		6.4	U	6.4	360
Benzo[g,h,i]perylene		19	U	19	360
Benzo[k]fluoranthene		23	U	23	360
Bis(2-chloroethoxy)methane		25	U	25	360
Bis(2-chloroethyl)ether		28	U	28	360
Bis(2-ethylhexyl) phthalate		12	U	12	360
Butyl benzyl phthalate		14	U	14	360
Carbazole		18	U	18	360
Chrysene		23	U	23	360
Dibenz(a,h)anthracene		13	U	13	360
Dibenzofuran		12	U	12	360

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-DUPE-13

Lab Sample ID: 640-16868-52

Date Sampled: 05/28/2008 0000

Client Matrix: Solid

% Moisture: 9.8

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061137.D

Dilution: 1.0

Initial Weight/Volume: 30.07 g

Date Analyzed: 06/11/2008 1719

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
Diethyl phthalate		15	U	15	360
Dimethyl phthalate		20	U	20	360
Di-n-butyl phthalate		83	U	83	360
Di-n-octyl phthalate		14	U	14	360
Fluoranthene		21	U	21	360
Fluorene		27	U	27	360
Hexachlorobenzene		28	U	28	360
Hexachlorobutadiene		23	U	23	360
Hexachlorocyclopentadiene		18	U	18	360
Hexachloroethane		22	U	22	360
Indeno[1,2,3-cd]pyrene		15	U	15	360
Isophorone		13	U	13	360
Naphthalene		23	U	23	360
Nitrobenzene		18	U	18	360
N-Nitrosodi-n-propylamine		18	U	18	360
N-Nitrosodiphenylamine		54	U	54	360
Pentachlorophenol		54	U	54	1900
Phenanthrene		25	U	25	360
Phenol		21	U	21	360
Pyrene		18	U	18	360

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	64	27 - 135
Phenol-d5	62	24 - 135
2-Fluorobiphenyl	68	30 - 135
2,4,6-Tribromophenol	96	24 - 135
Nitrobenzene-d5	68	22 - 135
Terphenyl-d14	91	36 - 135

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-18 (2-4')

Lab Sample ID: 640-16868-53

Date Sampled: 05/28/2008 1621

Client Matrix: Solid

% Moisture: 12.9

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061138.D

Dilution: 1.0

Initial Weight/Volume: 30.02 g

Date Analyzed: 06/11/2008 1742

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
1,2,4-Trichlorobenzene		15	U	15	380
1,2-Dichlorobenzene		29	U	29	380
1,3-Dichlorobenzene		23	U	23	380
1,4-Dichlorobenzene		20	U	20	380
2,2'-oxybis[1-chloropropane]		20	U	20	380
2,4,5-Trichlorophenol		69	U	69	380
2,4,6-Trichlorophenol		18	U	18	380
2,4-Dichlorophenol		25	U	25	380
2,4-Dimethylphenol		16	U	16	380
2,4-Dinitrophenol		200	U	200	2000
2,4-Dinitrotoluene		18	U	18	380
2,6-Dinitrotoluene		18	U	18	380
2-Chloronaphthalene		20	U	20	380
2-Chlorophenol		20	U	20	380
2-Methylnaphthalene		13	U	13	380
2-Methylphenol		22	U	22	380
2-Nitroaniline		10	U	10	2000
2-Nitrophenol		25	U	25	380
3 & 4 Methylphenol		26	U	26	380
3,3'-Dichlorobenzidine		15	U	15	760
3-Nitroaniline		26	U	26	2000
4,6-Dinitro-2-methylphenol		200	U	200	2000
4-Bromophenyl phenyl ether		21	U	21	380
4-Chloro-3-methylphenol		34	U	34	380
4-Chloroaniline		15	U	15	760
4-Chlorophenyl phenyl ether		16	U	16	380
4-Nitroaniline		26	U	26	2000
4-Nitrophenol		240	U	240	2000
Acenaphthene		29	U	29	380
Acenaphthylene		49	U	49	380
Anthracene		25	U	25	380
Benzo[a]anthracene		14	U	14	380
Benzo[a]pyrene		11	U	11	380
Benzo[b]fluoranthene		6.7	U	6.7	380
Benzo[g,h,i]perylene		20	U	20	380
Benzo[k]fluoranthene		24	U	24	380
Bis(2-chloroethoxy)methane		26	U	26	380
Bis(2-chloroethyl)ether		29	U	29	380
Bis(2-ethylhexyl) phthalate		13	U	13	380
Butyl benzyl phthalate		15	U	15	380
Carbazole		18	U	18	380
Chrysene		24	U	24	380
Dibenz(a,h)anthracene		14	U	14	380
Dibenzofuran		13	U	13	380

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-18 (2-4')

Lab Sample ID: 640-16868-53

Date Sampled: 05/28/2008 1621

Client Matrix: Solid

% Moisture: 12.9

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061138.D

Dilution: 1.0

Initial Weight/Volume: 30.02 g

Date Analyzed: 06/11/2008 1742

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
Diethyl phthalate		16	U	16	380
Dimethyl phthalate		21	U	21	380
Di-n-butyl phthalate		86	U	86	380
Di-n-octyl phthalate		15	U	15	380
Fluoranthene		22	U	22	380
Fluorene		28	U	28	380
Hexachlorobenzene		29	U	29	380
Hexachlorobutadiene		24	U	24	380
Hexachlorocyclopentadiene		18	U	18	380
Hexachloroethane		23	U	23	380
Indeno[1,2,3-cd]pyrene		16	U	16	380
Isophorone		14	U	14	380
Naphthalene		24	U	24	380
Nitrobenzene		18	U	18	380
N-Nitrosodi-n-propylamine		18	U	18	380
N-Nitrosodiphenylamine		56	U	56	380
Pentachlorophenol		56	U	56	2000
Phenanthrene		26	U	26	380
Phenol		22	U	22	380
Pyrene		18	U	18	380

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	57	27 - 135
Phenol-d5	54	24 - 135
2-Fluorobiphenyl	62	30 - 135
2,4,6-Tribromophenol	98	24 - 135
Nitrobenzene-d5	62	22 - 135
Terphenyl-d14	85	36 - 135

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-18 (4-6')

Lab Sample ID: 640-16868-54

Date Sampled: 05/28/2008 1622

Client Matrix: Solid

% Moisture: 12.2

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061139.D

Dilution: 1.0

Initial Weight/Volume: 30.01 g

Date Analyzed: 06/11/2008 1805

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
1,2,4-Trichlorobenzene		15	U	15	380
1,2-Dichlorobenzene		28	U	28	380
1,3-Dichlorobenzene		23	U	23	380
1,4-Dichlorobenzene		19	U	19	380
2,2'-oxybis[1-chloropropane]		19	U	19	380
2,4,5-Trichlorophenol		68	U	68	380
2,4,6-Trichlorophenol		18	U	18	380
2,4-Dichlorophenol		25	U	25	380
2,4-Dimethylphenol		16	U	16	380
2,4-Dinitrophenol		190	U	190	1900
2,4-Dinitrotoluene		18	U	18	380
2,6-Dinitrotoluene		18	U	18	380
2-Chloronaphthalene		19	U	19	380
2-Chlorophenol		19	U	19	380
2-Methylnaphthalene		13	U	13	380
2-Methylphenol		22	U	22	380
2-Nitroaniline		10	U	10	1900
2-Nitrophenol		25	U	25	380
3 & 4 Methylphenol		26	U	26	380
3,3'-Dichlorobenzidine		15	U	15	750
3-Nitroaniline		26	U	26	1900
4,6-Dinitro-2-methylphenol		190	U	190	1900
4-Bromophenyl phenyl ether		20	U	20	380
4-Chloro-3-methylphenol		34	U	34	380
4-Chloroaniline		15	U	15	750
4-Chlorophenyl phenyl ether		16	U	16	380
4-Nitroaniline		26	U	26	1900
4-Nitrophenol		240	U	240	1900
Acenaphthene		28	U	28	380
Acenaphthylene		49	U	49	380
Anthracene		25	U	25	380
Benzo[a]anthracene		14	U	14	380
Benzo[a]pyrene		11	U	11	380
Benzo[b]fluoranthene		6.6	U	6.6	380
Benzo[g,h,i]perylene		19	U	19	380
Benzo[k]fluoranthene		24	U	24	380
Bis(2-chloroethoxy)methane		26	U	26	380
Bis(2-chloroethyl)ether		28	U	28	380
Bis(2-ethylhexyl) phthalate		13	U	13	380
Butyl benzyl phthalate		15	U	15	380
Carbazole		18	U	18	380
Chrysene		24	U	24	380
Dibenz(a,h)anthracene		14	U	14	380
Dibenzofuran		13	U	13	380

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-18 (4-6')

Lab Sample ID: 640-16868-54

Date Sampled: 05/28/2008 1622

Client Matrix: Solid

% Moisture: 12.2

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061139.D

Dilution: 1.0

Initial Weight/Volume: 30.01 g

Date Analyzed: 06/11/2008 1805

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
Diethyl phthalate		16	U	16	380
Dimethyl phthalate		20	U	20	380
Di-n-butyl phthalate		85	U	85	380
Di-n-octyl phthalate		15	U	15	380
Fluoranthene		22	U	22	380
Fluorene		27	U	27	380
Hexachlorobenzene		28	U	28	380
Hexachlorobutadiene		24	U	24	380
Hexachlorocyclopentadiene		18	U	18	380
Hexachloroethane		23	U	23	380
Indeno[1,2,3-cd]pyrene		16	U	16	380
Isophorone		14	U	14	380
Naphthalene		24	U	24	380
Nitrobenzene		18	U	18	380
N-Nitrosodi-n-propylamine		18	U	18	380
N-Nitrosodiphenylamine		56	U	56	380
Pentachlorophenol		56	U	56	1900
Phenanthrene		26	U	26	380
Phenol		22	U	22	380
Pyrene		18	U	18	380

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	75	27 - 135
Phenol-d5	70	24 - 135
2-Fluorobiphenyl	80	30 - 135
2,4,6-Tribromophenol	120	24 - 135
Nitrobenzene-d5	75	22 - 135
Terphenyl-d14	101	36 - 135

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-19 (0-2)

Lab Sample ID: 640-16868-55

Date Sampled: 05/28/2008 1645

Client Matrix: Solid

% Moisture: 6.3

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061140.D

Dilution: 1.0

Initial Weight/Volume: 30.07 g

Date Analyzed: 06/11/2008 1828

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
1,2,4-Trichlorobenzene		14	U	14	350
1,2-Dichlorobenzene		27	U	27	350
1,3-Dichlorobenzene		21	U	21	350
1,4-Dichlorobenzene		18	U	18	350
2,2'-oxybis[1-chloropropane]		18	U	18	350
2,4,5-Trichlorophenol		64	U	64	350
2,4,6-Trichlorophenol		17	U	17	350
2,4-Dichlorophenol		23	U	23	350
2,4-Dimethylphenol		15	U	15	350
2,4-Dinitrophenol		180	U	180	1800
2,4-Dinitrotoluene		17	U	17	350
2,6-Dinitrotoluene		17	U	17	350
2-Chloronaphthalene		18	U	18	350
2-Chlorophenol		18	U	18	350
2-Methylnaphthalene		12	U	12	350
2-Methylphenol		20	U	20	350
2-Nitroaniline		9.5	U	9.5	1800
2-Nitrophenol		23	U	23	350
3 & 4 Methylphenol		24	U	24	350
3,3'-Dichlorobenzidine		14	U	14	700
3-Nitroaniline		24	U	24	1800
4,6-Dinitro-2-methylphenol		180	U	180	1800
4-Bromophenyl phenyl ether		19	U	19	350
4-Chloro-3-methylphenol		32	U	32	350
4-Chloroaniline		14	U	14	700
4-Chlorophenyl phenyl ether		15	U	15	350
4-Nitroaniline		24	U	24	1800
4-Nitrophenol		220	U	220	1800
Acenaphthene		27	U	27	350
Acenaphthylene		46	U	46	350
Anthracene		23	U	23	350
Benzo[a]anthracene		43	I	13	350
Benzo[a]pyrene		63	I	10	350
Benzo[b]fluoranthene		93	I	6.2	350
Benzo[g,h,i]perylene		70	I V	18	350
Benzo[k]fluoranthene		35	I	22	350
Bis(2-chloroethoxy)methane		24	U	24	350
Bis(2-chloroethyl)ether		27	U	27	350
Bis(2-ethylhexyl) phthalate		12	I V	12	350
Butyl benzyl phthalate		14	U	14	350
Carbazole		17	U	17	350
Chrysene		79	I	22	350
Dibenz(a,h)anthracene		13	U	13	350
Dibenzofuran		12	U	12	350

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-19 (0-2)

Lab Sample ID: 640-16868-55

Date Sampled: 05/28/2008 1645

Client Matrix: Solid

% Moisture: 6.3

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061140.D

Dilution: 1.0

Initial Weight/Volume: 30.07 g

Date Analyzed: 06/11/2008 1828

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
Diethyl phthalate		15	U	15	350
Dimethyl phthalate		19	U	19	350
Di-n-butyl phthalate		80	U	80	350
Di-n-octyl phthalate		14	U	14	350
Fluoranthene		83	I	20	350
Fluorene		26	U	26	350
Hexachlorobenzene		27	U	27	350
Hexachlorobutadiene		22	U	22	350
Hexachlorocyclopentadiene		17	U	17	350
Hexachloroethane		21	U	21	350
Indeno[1,2,3-cd]pyrene		51	I	15	350
Isophorone		13	U	13	350
Naphthalene		22	U	22	350
Nitrobenzene		17	U	17	350
N-Nitrosodi-n-propylamine		17	U	17	350
N-Nitrosodiphenylamine		52	U	52	350
Pentachlorophenol		52	U	52	1800
Phenanthrene		44	I	24	350
Phenol		20	U	20	350
Pyrene		110	I	17	350

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	67	27 - 135
Phenol-d5	65	24 - 135
2-Fluorobiphenyl	71	30 - 135
2,4,6-Tribromophenol	86	24 - 135
Nitrobenzene-d5	74	22 - 135
Terphenyl-d14	90	36 - 135

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-19 (2-4)

Lab Sample ID: 640-16868-56

Date Sampled: 05/28/2008 1646

Client Matrix: Solid

% Moisture: 12.0

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061141.D

Dilution: 1.0

Initial Weight/Volume: 30.06 g

Date Analyzed: 06/11/2008 1851

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
1,2,4-Trichlorobenzene		15	U	15	370
1,2-Dichlorobenzene		28	U	28	370
1,3-Dichlorobenzene		23	U	23	370
1,4-Dichlorobenzene		19	U	19	370
2,2'-oxybis[1-chloropropane]		19	U	19	370
2,4,5-Trichlorophenol		68	U	68	370
2,4,6-Trichlorophenol		18	U	18	370
2,4-Dichlorophenol		25	U	25	370
2,4-Dimethylphenol		16	U	16	370
2,4-Dinitrophenol		190	U	190	1900
2,4-Dinitrotoluene		18	U	18	370
2,6-Dinitrotoluene		18	U	18	370
2-Chloronaphthalene		19	U	19	370
2-Chlorophenol		19	U	19	370
2-Methylnaphthalene		12	U	12	370
2-Methylphenol		22	U	22	370
2-Nitroaniline		10	U	10	1900
2-Nitrophenol		25	U	25	370
3 & 4 Methylphenol		26	U	26	370
3,3'-Dichlorobenzidine		15	U	15	750
3-Nitroaniline		26	U	26	1900
4,6-Dinitro-2-methylphenol		190	U	190	1900
4-Bromophenyl phenyl ether		20	U	20	370
4-Chloro-3-methylphenol		34	U	34	370
4-Chloroaniline		15	U	15	750
4-Chlorophenyl phenyl ether		16	U	16	370
4-Nitroaniline		26	U	26	1900
4-Nitrophenol		240	U	240	1900
Acenaphthene		28	U	28	370
Acenaphthylene		49	U	49	370
Anthracene		25	U	25	370
Benzo[a]anthracene		14	U	14	370
Benzo[a]pyrene		11	U	11	370
Benzo[b]fluoranthene		6.6	U	6.6	370
Benzo[g,h,i]perylene		19	U	19	370
Benzo[k]fluoranthene		24	U	24	370
Bis(2-chloroethoxy)methane		26	U	26	370
Bis(2-chloroethyl)ether		28	U	28	370
Bis(2-ethylhexyl) phthalate		12	U	12	370
Butyl benzyl phthalate		15	U	15	370
Carbazole		18	U	18	370
Chrysene		24	U	24	370
Dibenz(a,h)anthracene		14	U	14	370
Dibenzofuran		12	U	12	370

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-19 (2-4)

Lab Sample ID: 640-16868-56

Date Sampled: 05/28/2008 1646

Client Matrix: Solid

% Moisture: 12.0

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061141.D

Dilution: 1.0

Initial Weight/Volume: 30.06 g

Date Analyzed: 06/11/2008 1851

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
Diethyl phthalate		16	U	16	370
Dimethyl phthalate		20	U	20	370
Di-n-butyl phthalate		85	U	85	370
Di-n-octyl phthalate		15	U	15	370
Fluoranthene		22	U	22	370
Fluorene		27	U	27	370
Hexachlorobenzene		28	U	28	370
Hexachlorobutadiene		24	U	24	370
Hexachlorocyclopentadiene		18	U	18	370
Hexachloroethane		23	U	23	370
Indeno[1,2,3-cd]pyrene		16	U	16	370
Isophorone		14	U	14	370
Naphthalene		24	U	24	370
Nitrobenzene		18	U	18	370
N-Nitrosodi-n-propylamine		18	U	18	370
N-Nitrosodiphenylamine		56	U	56	370
Pentachlorophenol		56	U	56	1900
Phenanthrene		26	U	26	370
Phenol		22	U	22	370
Pyrene		18	U	18	370

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	69	27 - 135
Phenol-d5	65	24 - 135
2-Fluorobiphenyl	75	30 - 135
2,4,6-Tribromophenol	115	24 - 135
Nitrobenzene-d5	75	22 - 135
Terphenyl-d14	102	36 - 135

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-19 (4-6)

Lab Sample ID: 640-16868-57

Client Matrix: Solid

% Moisture: 15.7

Date Sampled: 05/28/2008 1647

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061142.D

Dilution: 1.0

Initial Weight/Volume: 30.03 g

Date Analyzed: 06/11/2008 1914

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
1,2,4-Trichlorobenzene		15	U	15	390
1,2-Dichlorobenzene		30	U	30	390
1,3-Dichlorobenzene		24	U	24	390
1,4-Dichlorobenzene		20	U	20	390
2,2'-oxybis[1-chloropropane]		20	U	20	390
2,4,5-Trichlorophenol		71	U	71	390
2,4,6-Trichlorophenol		19	U	19	390
2,4-Dichlorophenol		26	U	26	390
2,4-Dimethylphenol		17	U	17	390
2,4-Dinitrophenol		200	U	200	2000
2,4-Dinitrotoluene		19	U	19	390
2,6-Dinitrotoluene		19	U	19	390
2-Chloronaphthalene		20	U	20	390
2-Chlorophenol		20	U	20	390
2-Methylnaphthalene		13	U	13	390
2-Methylphenol		23	U	23	390
2-Nitroaniline		11	U	11	2000
2-Nitrophenol		26	U	26	390
3 & 4 Methylphenol		27	U	27	390
3,3'-Dichlorobenzidine		15	U	15	780
3-Nitroaniline		27	U	27	2000
4,6-Dinitro-2-methylphenol		200	U	200	2000
4-Bromophenyl phenyl ether		21	U	21	390
4-Chloro-3-methylphenol		36	U	36	390
4-Chloroaniline		15	U	15	780
4-Chlorophenyl phenyl ether		17	U	17	390
4-Nitroaniline		27	U	27	2000
4-Nitrophenol		250	U	250	2000
Acenaphthene		30	U	30	390
Acenaphthylene		51	U	51	390
Anthracene		26	U	26	390
Benzo[a]anthracene		14	U	14	390
Benzo[a]pyrene		11	U	11	390
Benzo[b]fluoranthene		6.9	U	6.9	390
Benzo[g,h,i]perylene		20	U	20	390
Benzo[k]fluoranthene		25	U	25	390
Bis(2-chloroethoxy)methane		27	U	27	390
Bis(2-chloroethyl)ether		30	U	30	390
Bis(2-ethylhexyl) phthalate		13	U	13	390
Butyl benzyl phthalate		15	U	15	390
Carbazole		19	U	19	390
Chrysene		25	U	25	390
Dibenz(a,h)anthracene		14	U	14	390
Dibenzofuran		13	U	13	390

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: SS-19 (4-6)

Lab Sample ID: 640-16868-57

Date Sampled: 05/28/2008 1647

Client Matrix: Solid

% Moisture: 15.7

Date Received: 05/30/2008 1319

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46197

Instrument ID: SMA HP 5973

Preparation: 3550B

Prep Batch: 640-45914

Lab File ID: A8061142.D

Dilution: 1.0

Initial Weight/Volume: 30.03 g

Date Analyzed: 06/11/2008 1914

Final Weight/Volume: 1.0 mL

Date Prepared: 06/04/2008 1000

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	PQL
Diethyl phthalate		17	U	17	390
Dimethyl phthalate		21	U	21	390
Di-n-butyl phthalate		89	U	89	390
Di-n-octyl phthalate		15	U	15	390
Fluoranthene		23	U	23	390
Fluorene		28	U	28	390
Hexachlorobenzene		30	U	30	390
Hexachlorobutadiene		25	U	25	390
Hexachlorocyclopentadiene		19	U	19	390
Hexachloroethane		24	U	24	390
Indeno[1,2,3-cd]pyrene		17	U	17	390
Isophorone		14	U	14	390
Naphthalene		25	U	25	390
Nitrobenzene		19	U	19	390
N-Nitrosodi-n-propylamine		19	U	19	390
N-Nitrosodiphenylamine		58	U	58	390
Pentachlorophenol		58	U	58	2000
Phenanthrene		27	U	27	390
Phenol		23	U	23	390
Pyrene		19	U	19	390

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	67	27 - 135
Phenol-d5	62	24 - 135
2-Fluorobiphenyl	68	30 - 135
2,4,6-Tribromophenol	103	24 - 135
Nitrobenzene-d5	73	22 - 135
Terphenyl-d14	85	36 - 135

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-75 (0-1')

Lab Sample ID: 640-16868-1

Client Matrix: Solid

% Moisture: 5.9

Date Sampled: 05/28/2008 1418

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.508 g

Date Analyzed: 06/09/2008 1539

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.23	U	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-75 (1-2')

Lab Sample ID: 640-16868-2

Date Sampled: 05/28/2008 1419

Client Matrix: Solid

% Moisture: 10.2

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.568 g

Date Analyzed: 06/09/2008 1541

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.24	I	0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-75 (2-4')

Lab Sample ID: 640-16868-3

Date Sampled: 05/28/2008 1420

Client Matrix: Solid

% Moisture: 13.9

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.588 g

Date Analyzed: 06/09/2008 1542

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.22	U	0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-76 (0-1')

Lab Sample ID: 640-16868-4

Date Sampled: 05/28/2008 1430

Client Matrix: Solid

% Moisture: 3.7

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.514 g

Date Analyzed: 06/09/2008 1543

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.57	I	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-76 (1-2')

Lab Sample ID: 640-16868-5

Date Sampled: 05/28/2008 1431

Client Matrix: Solid

% Moisture: 11.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.554 g

Date Analyzed: 06/09/2008 1550

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.60	I	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-76 (2-4')

Lab Sample ID: 640-16868-6

Date Sampled: 05/28/2008 1432

Client Matrix: Solid

% Moisture: 10.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.597 g

Date Analyzed: 06/09/2008 1552

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.31	I	0.20	0.93

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-77 (0-1')

Lab Sample ID: 640-16868-7

Date Sampled: 05/28/2008 1434

Client Matrix: Solid

% Moisture: 12.9

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.575 g

Date Analyzed: 06/09/2008 1553

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.7		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-77 (1-2')

Lab Sample ID: 640-16868-8

Date Sampled: 05/28/2008 1435

Client Matrix: Solid

% Moisture: 13.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.572 g

Date Analyzed: 06/09/2008 1555

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.69	I	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-77 (2-4')

Lab Sample ID: 640-16868-9

Date Sampled: 05/28/2008 1436

Client Matrix: Solid

% Moisture: 14.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.512 g

Date Analyzed: 06/09/2008 1556

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.31	I	0.25	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-DUPE-11

Lab Sample ID: 640-16868-10

Date Sampled: 05/28/2008 0000

Client Matrix: Solid

% Moisture: 19.5

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.544 g

Date Analyzed: 06/09/2008 1558

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.84	I	0.25	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-78 (0-1')

Lab Sample ID: 640-16868-11

Date Sampled: 05/28/2008 1445

Client Matrix: Solid

% Moisture: 18.4

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.599 g

Date Analyzed: 06/09/2008 1600

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.36	I	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-78 (1-2')

Lab Sample ID: 640-16868-12

Date Sampled: 05/28/2008 1446

Client Matrix: Solid

% Moisture: 11.6

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.571 g

Date Analyzed: 06/09/2008 1602

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.30	I	0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-78 (2-4')

Lab Sample ID: 640-16868-13

Date Sampled: 05/28/2008 1447

Client Matrix: Solid

% Moisture: 11.3

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.564 g

Date Analyzed: 06/09/2008 1612

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.22	U	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-79 (0-1')

Lab Sample ID: 640-16868-14

Date Sampled: 05/28/2008 1452

Client Matrix: Solid

% Moisture: 12.2

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.596 g

Date Analyzed: 06/09/2008 1605

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.47	I	0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-79 (1-2')

Lab Sample ID: 640-16868-15

Date Sampled: 05/28/2008 1453

Client Matrix: Solid

% Moisture: 11.8

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.558 g

Date Analyzed: 06/09/2008 1603

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.25	I	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-79 (2-4')

Lab Sample ID: 640-16868-16

Date Sampled: 05/28/2008 1454

Client Matrix: Solid

% Moisture: 12.2

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.519 g

Date Analyzed: 06/09/2008 1613

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.58	I	0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-80 (0-1')

Lab Sample ID: 640-16868-17

Date Sampled: 05/28/2008 1458

Client Matrix: Solid

% Moisture: 10.7

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.580 g

Date Analyzed: 06/09/2008 1624

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.46	I	0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-80 (1-2')

Lab Sample ID: 640-16868-18

Date Sampled: 05/28/2008 1459

Client Matrix: Solid

% Moisture: 9.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.598 g

Date Analyzed: 06/09/2008 1657

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.24	I	0.20	0.92

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-80 (2-4')

Lab Sample ID: 640-16868-19

Date Sampled: 05/28/2008 1500

Client Matrix: Solid

% Moisture: 12.8

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.552 g

Date Analyzed: 06/09/2008 1659

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.41	I	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-81 (0-1')

Lab Sample ID: 640-16868-20

Date Sampled: 05/28/2008 1504

Client Matrix: Solid

% Moisture: 6.3

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.556 g

Date Analyzed: 06/09/2008 1700

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.4		0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-81 (1-2')

Lab Sample ID: 640-16868-21

Date Sampled: 05/28/2008 1505

Client Matrix: Solid

% Moisture: 4.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.534 g

Date Analyzed: 06/09/2008 1702

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.33	I	0.21	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-81 (2-4')

Lab Sample ID: 640-16868-22

Date Sampled: 05/28/2008 1506

Client Matrix: Solid

% Moisture: 10.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.579 g

Date Analyzed: 06/09/2008 1704

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.21	U	0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-82 (0-1')

Lab Sample ID: 640-16868-23

Date Sampled: 05/28/2008 1510

Client Matrix: Solid

% Moisture: 4.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.510 g

Date Analyzed: 06/09/2008 1705

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.3		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-82 (1-2')

Lab Sample ID: 640-16868-24

Date Sampled: 05/28/2008 1511

Client Matrix: Solid

% Moisture: 2.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.539 g

Date Analyzed: 06/09/2008 1707

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.2		0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-82 (2-4')

Lab Sample ID: 640-16868-25

Date Sampled: 05/28/2008 1512

Client Matrix: Solid

% Moisture: 3.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.514 g

Date Analyzed: 06/09/2008 1710

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.46	I	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-83 (0-1')

Lab Sample ID: 640-16868-26

Date Sampled: 05/28/2008 1514

Client Matrix: Solid

% Moisture: 2.2

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.569 g

Date Analyzed: 06/09/2008 1711

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.38	I	0.20	0.90

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-83 (1-2')

Lab Sample ID: 640-16868-27

Date Sampled: 05/28/2008 1515

Client Matrix: Solid

% Moisture: 4.7

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.571 g

Date Analyzed: 06/09/2008 1713

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.33	I	0.20	0.92

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-83 (2-4')

Lab Sample ID: 640-16868-28

Date Sampled: 05/28/2008 1516

Client Matrix: Solid

% Moisture: 2.9

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.577 g

Date Analyzed: 06/09/2008 1719

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.35	I	0.20	0.89

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-84 (0-1')

Lab Sample ID: 640-16868-29

Date Sampled: 05/28/2008 1518

Client Matrix: Solid

% Moisture: 1.5

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.530 g

Date Analyzed: 06/09/2008 1721

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.29	I	0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-84 (1-2')

Lab Sample ID: 640-16868-30

Date Sampled: 05/28/2008 1519

Client Matrix: Solid

% Moisture: 3.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.580 g

Date Analyzed: 06/09/2008 1723

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.60	I	0.20	0.89

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-DUPE-12

Lab Sample ID: 640-16868-31

Date Sampled: 05/28/2008 0000

Client Matrix: Solid

% Moisture: 3.7

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.506 g

Date Analyzed: 06/09/2008 1724

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.46	I	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-84 (2-4')

Lab Sample ID: 640-16868-32

Date Sampled: 05/28/2008 1520

Client Matrix: Solid

% Moisture: 7.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.562 g

Date Analyzed: 06/09/2008 1726

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.71	I	0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-85 (0-1')

Lab Sample ID: 640-16868-33

Date Sampled: 05/28/2008 1523

Client Matrix: Solid

% Moisture: 2.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.578 g

Date Analyzed: 06/09/2008 1727

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.6		0.19	0.88

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-85 (1-2')

Lab Sample ID: 640-16868-34

Date Sampled: 05/28/2008 1524

Client Matrix: Solid

% Moisture: 2.3

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.530 g

Date Analyzed: 06/09/2008 1729

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.31	I	0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-85 (2-4')

Lab Sample ID: 640-16868-35

Date Sampled: 05/28/2008 1525

Client Matrix: Solid

% Moisture: 5.6

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.545 g

Date Analyzed: 06/09/2008 1731

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.21	U	0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-86 (0-1')

Lab Sample ID: 640-16868-36

Date Sampled: 05/28/2008 1526

Client Matrix: Solid

% Moisture: 1.4

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46115

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46029

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.555 g

Date Analyzed: 06/09/2008 1732

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.71	I	0.20	0.91

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-86 (1-2')

Lab Sample ID: 640-16868-37

Date Sampled: 05/28/2008 1527

Client Matrix: Solid

% Moisture: 2.2

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.562 g

Date Analyzed: 06/10/2008 1400

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.20	U	0.20	0.91

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-86 (2-4')

Lab Sample ID: 640-16868-38

Date Sampled: 05/28/2008 1528

Client Matrix: Solid

% Moisture: 7.3

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.582 g

Date Analyzed: 06/10/2008 1407

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.63	I	0.20	0.93

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-87 (0-1')

Lab Sample ID: 640-16868-39

Date Sampled: 05/28/2008 1530

Client Matrix: Solid

% Moisture: 10.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.587 g

Date Analyzed: 06/10/2008 1410

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.7		0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-87 (1-2')

Lab Sample ID: 640-16868-40

Date Sampled: 05/28/2008 1531

Client Matrix: Solid

% Moisture: 29.2

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.572 g

Date Analyzed: 06/10/2008 1411

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		9.2		0.27	1.2

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-87 (2-4')

Lab Sample ID: 640-16868-41

Date Sampled: 05/28/2008 1532

Client Matrix: Solid

% Moisture: 9.3

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.531 g

Date Analyzed: 06/10/2008 1413

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.39	I	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-18 (0-1')

Lab Sample ID: 640-16868-42

Date Sampled: 05/28/2008 1554

Client Matrix: Solid

% Moisture: 2.8

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.592 g

Date Analyzed: 06/10/2008 1415

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		74		0.19	0.87

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-18 (1-2')

Lab Sample ID: 640-16868-43

Date Sampled: 05/28/2008 1555

Client Matrix: Solid

% Moisture: 2.6

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.514 g

Date Analyzed: 06/10/2008 1426

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		3.5		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-18 (2-4')

Lab Sample ID: 640-16868-44

Date Sampled: 05/28/2008 1556

Client Matrix: Solid

% Moisture: 8.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.576 g

Date Analyzed: 06/10/2008 1428

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		16		0.21	0.94

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-88 (0-1')

Lab Sample ID: 640-16868-58

Date Sampled: 05/29/2008 0841

Client Matrix: Solid

% Moisture: 9.6

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.547 g

Date Analyzed: 06/10/2008 1429

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		14		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-88 (1-2')

Lab Sample ID: 640-16868-59

Date Sampled: 05/29/2008 0842

Client Matrix: Solid

% Moisture: 4.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.543 g

Date Analyzed: 06/10/2008 1431

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		5.5		0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-88 (2-4')

Lab Sample ID: 640-16868-60

Date Sampled: 05/29/2008 0843

Client Matrix: Solid

% Moisture: 5.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.515 g

Date Analyzed: 06/10/2008 1440

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.0		0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-89 (0-1')

Lab Sample ID: 640-16868-61

Date Sampled: 05/29/2008 0848

Client Matrix: Solid

% Moisture: 2.4

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.543 g

Date Analyzed: 06/10/2008 1442

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		3.9		0.21	0.94

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-89 (1-2')

Lab Sample ID: 640-16868-62

Date Sampled: 05/29/2008 0849

Client Matrix: Solid

% Moisture: 4.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.575 g

Date Analyzed: 06/10/2008 1444

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.3		0.20	0.91

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-89 (2-4')

Lab Sample ID: 640-16868-63

Date Sampled: 05/29/2008 0850

Client Matrix: Solid

% Moisture: 10.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.510 g

Date Analyzed: 06/10/2008 1446

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.5		0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-90 (0-1')

Lab Sample ID: 640-16868-64

Date Sampled: 05/29/2008 0854

Client Matrix: Solid

% Moisture: 9.4

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.592 g

Date Analyzed: 06/10/2008 1448

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		7.1		0.21	0.93

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-90 (1-2')

Lab Sample ID: 640-16868-65

Date Sampled: 05/29/2008 0855

Client Matrix: Solid

% Moisture: 11.5

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.570 g

Date Analyzed: 06/10/2008 1450

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.1		0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-90 (2-4')

Lab Sample ID: 640-16868-66

Date Sampled: 05/29/2008 0856

Client Matrix: Solid

% Moisture: 2.3

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.531 g

Date Analyzed: 06/10/2008 1500

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.56	I	0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-91 (0-1')

Lab Sample ID: 640-16868-67

Date Sampled: 05/29/2008 0900

Client Matrix: Solid

% Moisture: 7.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.549 g

Date Analyzed: 06/10/2008 1502

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		10		0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-91 (1-2')

Lab Sample ID: 640-16868-68

Date Sampled: 05/29/2008 0901

Client Matrix: Solid

% Moisture: 10.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.575 g

Date Analyzed: 06/10/2008 1503

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.4		0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-91 (2-4')

Lab Sample ID: 640-16868-69

Date Sampled: 05/29/2008 0902

Client Matrix: Solid

% Moisture: 6.5

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46146

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46031

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.542 g

Date Analyzed: 06/10/2008 1505

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		3.2		0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-92 (0-1')

Lab Sample ID: 640-16868-70

Date Sampled: 05/29/2008 0904

Client Matrix: Solid

% Moisture: 4.2

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.559 g

Date Analyzed: 06/11/2008 1213

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		19		0.21	0.93

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-92 (1-2')

Lab Sample ID: 640-16868-71

Date Sampled: 05/29/2008 0905

Client Matrix: Solid

% Moisture: 2.7

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.510 g

Date Analyzed: 06/11/2008 1229

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.1		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-92 (2-4')

Lab Sample ID: 640-16868-72

Date Sampled: 05/29/2008 0906

Client Matrix: Solid

% Moisture: 2.4

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.528 g

Date Analyzed: 06/11/2008 1234

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.40	I	0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-93 (0-1')

Lab Sample ID: 640-16868-73

Date Sampled: 05/29/2008 0908

Client Matrix: Solid

% Moisture: 8.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.519 g

Date Analyzed: 06/11/2008 1243

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		13		0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-DUPE-14

Lab Sample ID: 640-16868-74

Date Sampled: 05/29/2008 0000

Client Matrix: Solid

% Moisture: 8.2

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.549 g

Date Analyzed: 06/11/2008 1245

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		22		0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-93 (1-2')

Lab Sample ID: 640-16868-75

Date Sampled: 05/29/2008 0909

Client Matrix: Solid

% Moisture: 2.3

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.599 g

Date Analyzed: 06/11/2008 1247

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.6		0.19	0.85

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-93 (2-4')

Lab Sample ID: 640-16868-76

Date Sampled: 05/29/2008 0910

Client Matrix: Solid

% Moisture: 3.3

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.569 g

Date Analyzed: 06/11/2008 1253

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.2		0.20	0.91

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-94 (0-1')

Lab Sample ID: 640-16868-77

Date Sampled: 05/29/2008 0914

Client Matrix: Solid

% Moisture: 4.7

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.546 g

Date Analyzed: 06/11/2008 1256

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		5.5		0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-94 (1-2')

Lab Sample ID: 640-16868-78

Date Sampled: 05/29/2008 0915

Client Matrix: Solid

% Moisture: 1.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.570 g

Date Analyzed: 06/11/2008 1258

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.0		0.19	0.89

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-94 (2-4')

Lab Sample ID: 640-16868-79

Date Sampled: 05/29/2008 0916

Client Matrix: Solid

% Moisture: 3.2

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.598 g

Date Analyzed: 06/11/2008 1300

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.51	I	0.19	0.86

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-95 (0-1')

Lab Sample ID: 640-16868-80

Date Sampled: 05/29/2008 0918

Client Matrix: Solid

% Moisture: 2.2

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.595 g

Date Analyzed: 06/11/2008 1301

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		6.5		0.19	0.86

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-95 (1-2')

Lab Sample ID: 640-16868-81

Date Sampled: 05/29/2008 0919

Client Matrix: Solid

% Moisture: 3.7

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.588 g

Date Analyzed: 06/11/2008 1303

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		5.8		0.19	0.88

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-95 (2-4')

Lab Sample ID: 640-16868-82

Date Sampled: 05/29/2008 0920

Client Matrix: Solid

% Moisture: 3.3

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.599 g

Date Analyzed: 06/11/2008 1304

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.0		0.19	0.86

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-96 (0-1')

Lab Sample ID: 640-16868-83

Date Sampled: 05/29/2008 0925

Client Matrix: Solid

% Moisture: 3.4

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.557 g

Date Analyzed: 06/11/2008 1312

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		12		0.20	0.93

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-96 (1-2')

Lab Sample ID: 640-16868-84

Date Sampled: 05/29/2008 0926

Client Matrix: Solid

% Moisture: 1.7

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.522 g

Date Analyzed: 06/11/2008 1314

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.51	I	0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-96 (2-4')

Lab Sample ID: 640-16868-85

Date Sampled: 05/29/2008 0927

Client Matrix: Solid

% Moisture: 8.3

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.555 g

Date Analyzed: 06/11/2008 1315

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.9		0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-97 (0-1')

Lab Sample ID: 640-16868-86

Date Sampled: 05/29/2008 0932

Client Matrix: Solid

% Moisture: 7.9

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.590 g

Date Analyzed: 06/11/2008 1317

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.8		0.20	0.92

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-97 (1-2')

Lab Sample ID: 640-16868-87

Date Sampled: 05/29/2008 0933

Client Matrix: Solid

% Moisture: 1.2

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.551 g

Date Analyzed: 06/11/2008 1318

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.24	I	0.20	0.92

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-97 (2-4')

Lab Sample ID: 640-16868-88

Date Sampled: 05/29/2008 0934

Client Matrix: Solid

% Moisture: 9.7

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.592 g

Date Analyzed: 06/11/2008 1320

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.2		0.21	0.94

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-100 (0-1')

Lab Sample ID: 640-16868-89

Date Sampled: 05/29/2008 0944

Client Matrix: Solid

% Moisture: 11.3

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46184

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46035

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.587 g

Date Analyzed: 06/11/2008 1333

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		8.5		0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-100 (1-2')

Lab Sample ID: 640-16868-90

Date Sampled: 05/29/2008 0945

Client Matrix: Solid

% Moisture: 9.2

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.522 g

Date Analyzed: 06/11/2008 1426

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.4		0.23	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-100 (2-4')

Lab Sample ID: 640-16868-91

Date Sampled: 05/29/2008 0946

Client Matrix: Solid

% Moisture: 8.4

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.500 g

Date Analyzed: 06/11/2008 1434

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.81	I	0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-101 (0-1)

Lab Sample ID: 640-16868-92

Date Sampled: 05/29/2008 0950

Client Matrix: Solid

% Moisture: 4.2

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.513 g

Date Analyzed: 06/11/2008 1436

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.4		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-101 (1-2)

Lab Sample ID: 640-16868-93

Date Sampled: 05/29/2008 0951

Client Matrix: Solid

% Moisture: 2.4

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.555 g

Date Analyzed: 06/11/2008 1437

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.71	I	0.20	0.92

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-101 (2-4)

Lab Sample ID: 640-16868-94

Date Sampled: 05/29/2008 0952

Client Matrix: Solid

% Moisture: 7.2

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.542 g

Date Analyzed: 06/11/2008 1441

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.66	I	0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-102 (0-1')

Lab Sample ID: 640-16868-95

Date Sampled: 05/29/2008 0954

Client Matrix: Solid

% Moisture: 4.6

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.523 g

Date Analyzed: 06/11/2008 1443

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.0		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-DUPE-15

Lab Sample ID: 640-16868-96

Date Sampled: 05/29/2008 0000

Client Matrix: Solid

% Moisture: 4.5

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.524 g

Date Analyzed: 06/11/2008 1453

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.4		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-102 (1-2')

Lab Sample ID: 640-16868-97

Date Sampled: 05/29/2008 0955

Client Matrix: Solid

% Moisture: 3.5

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.516 g

Date Analyzed: 06/11/2008 1455

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.2		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-102 (2-4')

Lab Sample ID: 640-16868-98

Date Sampled: 05/29/2008 0956

Client Matrix: Solid

% Moisture: 8.6

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.532 g

Date Analyzed: 06/10/2008 1140

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.5		0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-103 (0-1')

Lab Sample ID: 640-16868-99

Date Sampled: 05/29/2008 1002

Client Matrix: Solid

% Moisture: 3.4

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.579 g

Date Analyzed: 06/11/2008 1459

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		40		0.20	0.89

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-103 (1-2')

Lab Sample ID: 640-16868-100

Date Sampled: 05/29/2008 1003

Client Matrix: Solid

% Moisture: 2.9

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.520 g

Date Analyzed: 06/11/2008 1501

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		22		0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-103 (2-4')

Lab Sample ID: 640-16868-101

Date Sampled: 05/29/2008 1004

Client Matrix: Solid

% Moisture: 8.4

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.535 g

Date Analyzed: 06/11/2008 1505

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		3.3		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-107 (0-1')

Lab Sample ID: 640-16868-102

Date Sampled: 05/29/2008 1010

Client Matrix: Solid

% Moisture: 7.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.521 g

Date Analyzed: 06/11/2008 1507

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.9		0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-107 (1-2')

Lab Sample ID: 640-16868-103

Date Sampled: 05/29/2008 1011

Client Matrix: Solid

% Moisture: 3.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.533 g

Date Analyzed: 06/11/2008 1508

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.43	I	0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-107 (2-4')

Lab Sample ID: 640-16868-104

Date Sampled: 05/29/2008 1012

Client Matrix: Solid

% Moisture: 13.3

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.536 g

Date Analyzed: 06/11/2008 1510

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.4		0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-106 (0-1')

Lab Sample ID: 640-16868-105

Date Sampled: 05/29/2008 1018

Client Matrix: Solid

% Moisture: 5.2

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.594 g

Date Analyzed: 06/11/2008 1513

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		5.8		0.20	0.89

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-106 (1-2')

Lab Sample ID: 640-16868-106

Date Sampled: 05/29/2008 1019

Client Matrix: Solid

% Moisture: 5.9

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.595 g

Date Analyzed: 06/11/2008 1520

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.77	I	0.20	0.89

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-106 (2-4')

Lab Sample ID: 640-16868-107

Date Sampled: 05/29/2008 1020

Client Matrix: Solid

% Moisture: 6.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.571 g

Date Analyzed: 06/11/2008 1522

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.61	I	0.20	0.93

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-108 (0-1')

Lab Sample ID: 640-16868-108

Date Sampled: 05/29/2008 1025

Client Matrix: Solid

% Moisture: 5.7

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.582 g

Date Analyzed: 06/11/2008 1523

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.2		0.20	0.91

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-108 (1-2')

Lab Sample ID: 640-16868-109

Date Sampled: 05/29/2008 1026

Client Matrix: Solid

% Moisture: 2.9

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46187

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46036

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.576 g

Date Analyzed: 06/11/2008 1525

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.5		0.20	0.89

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-108 (2-4')

Lab Sample ID: 640-16868-110

Date Sampled: 05/29/2008 1027

Client Matrix: Solid

% Moisture: 7.2

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.564 g

Date Analyzed: 06/11/2008 1701

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.7		0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-111 (0-1')

Lab Sample ID: 640-16868-111

Date Sampled: 05/29/2008 1032

Client Matrix: Solid

% Moisture: 6.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.537 g

Date Analyzed: 06/10/2008 1150

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.9		0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-111 (1-2')

Lab Sample ID: 640-16868-112

Date Sampled: 05/29/2008 1033

Client Matrix: Solid

% Moisture: 4.4

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.541 g

Date Analyzed: 06/10/2008 1152

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.78	I	0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-111 (2-4')

Lab Sample ID: 640-16868-113

Date Sampled: 05/29/2008 1034

Client Matrix: Solid

% Moisture: 7.6

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.516 g

Date Analyzed: 06/10/2008 1221

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.5		0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-112 (0-1)

Lab Sample ID: 640-16868-114

Date Sampled: 05/29/2008 1042

Client Matrix: Solid

% Moisture: 3.9

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.574 g

Date Analyzed: 06/10/2008 1223

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.7		0.20	0.91

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-112 (1-2)

Lab Sample ID: 640-16868-115

Date Sampled: 05/29/2008 1043

Client Matrix: Solid

% Moisture: 5.6

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.569 g

Date Analyzed: 06/10/2008 1225

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.59	I	0.20	0.93

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-112 (2-4)

Lab Sample ID: 640-16868-116

Date Sampled: 05/29/2008 1044

Client Matrix: Solid

% Moisture: 9.6

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.575 g

Date Analyzed: 06/10/2008 1228

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.86	I	0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-115 (0-1')

Lab Sample ID: 640-16868-117

Date Sampled: 05/29/2008 1048

Client Matrix: Solid

% Moisture: 5.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.558 g

Date Analyzed: 06/10/2008 1231

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		6.2		0.21	0.94

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-115 (1-2')

Lab Sample ID: 640-16868-118

Date Sampled: 05/29/2008 1049

Client Matrix: Solid

% Moisture: 3.9

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.545 g

Date Analyzed: 06/10/2008 1233

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.1		0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-DUPE-16

Lab Sample ID: 640-16868-119

Date Sampled: 05/29/2008 0000

Client Matrix: Solid

% Moisture: 6.2

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.558 g

Date Analyzed: 06/10/2008 1234

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		8.1		0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-115 (2-4')

Lab Sample ID: 640-16868-120

Date Sampled: 05/29/2008 1050

Client Matrix: Solid

% Moisture: 2.8

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.528 g

Date Analyzed: 06/10/2008 1236

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.39	I	0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-98 (0-1')

Lab Sample ID: 640-16868-121

Date Sampled: 05/29/2008 1106

Client Matrix: Solid

% Moisture: 6.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.520 g

Date Analyzed: 06/10/2008 1237

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		15		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-98 (1-2')

Lab Sample ID: 640-16868-122

Date Sampled: 05/29/2008 1107

Client Matrix: Solid

% Moisture: 2.7

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.522 g

Date Analyzed: 06/10/2008 1239

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		3.9		0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-98 (2-4')

Lab Sample ID: 640-16868-123

Date Sampled: 05/29/2008 1108

Client Matrix: Solid

% Moisture: 4.4

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.517 g

Date Analyzed: 06/10/2008 1249

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.91	I	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-99 (0-1')

Lab Sample ID: 640-16868-124

Date Sampled: 05/29/2008 1112

Client Matrix: Solid

% Moisture: 2.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.502 g

Date Analyzed: 06/10/2008 1251

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.6		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-99 (1-2')

Lab Sample ID: 640-16868-125

Date Sampled: 05/29/2008 1113

Client Matrix: Solid

% Moisture: 2.9

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.542 g

Date Analyzed: 06/10/2008 1253

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.1		0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-99 (2-4')

Lab Sample ID: 640-16868-126

Date Sampled: 05/29/2008 1114

Client Matrix: Solid

% Moisture: 6.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.500 g

Date Analyzed: 06/10/2008 1256

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.0		0.23	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-104 (0-1')

Lab Sample ID: 640-16868-127

Date Sampled: 05/29/2008 1118

Client Matrix: Solid

% Moisture: 4.4

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.513 g

Date Analyzed: 06/10/2008 1258

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.5		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-104 (1-2')

Lab Sample ID: 640-16868-128

Date Sampled: 05/29/2008 1119

Client Matrix: Solid

% Moisture: 3.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46133

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46037

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.526 g

Date Analyzed: 06/10/2008 1300

Final Weight/Volume: 50 mL

Date Prepared: 06/09/2008 1500

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.2		0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-104 (2-4')

Lab Sample ID: 640-16868-129

Date Sampled: 05/29/2008 1120

Client Matrix: Solid

% Moisture: 3.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.817 g

Date Analyzed: 06/11/2008 1552

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.50	I	0.14	0.63

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-105 (0-1')

Lab Sample ID: 640-16868-130

Date Sampled: 05/29/2008 1125

Client Matrix: Solid

% Moisture: 9.6

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.543 g

Date Analyzed: 06/11/2008 1611

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		11		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-105 (1-2')

Lab Sample ID: 640-16868-131

Date Sampled: 05/29/2008 1126

Client Matrix: Solid

% Moisture: 5.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.568 g

Date Analyzed: 06/11/2008 1613

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.7		0.20	0.93

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-105 (2-4')

Lab Sample ID: 640-16868-132

Date Sampled: 05/29/2008 1127

Client Matrix: Solid

% Moisture: 6.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.577 g

Date Analyzed: 06/11/2008 1615

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.5		0.20	0.92

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-109 (0-1')

Lab Sample ID: 640-16868-133

Date Sampled: 05/29/2008 1132

Client Matrix: Solid

% Moisture: 5.9

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.512 g

Date Analyzed: 06/11/2008 1617

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		11		0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-109 (1-2')

Lab Sample ID: 640-16868-134

Date Sampled: 05/29/2008 1133

Client Matrix: Solid

% Moisture: 5.7

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.569 g

Date Analyzed: 06/11/2008 1618

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.6		0.21	0.93

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-109 (2-4')

Lab Sample ID: 640-16868-135

Date Sampled: 05/29/2008 1134

Client Matrix: Solid

% Moisture: 9.6

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.580 g

Date Analyzed: 06/11/2008 1620

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.76	I	0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-110 (0-1')

Lab Sample ID: 640-16868-136

Date Sampled: 05/29/2008 1136

Client Matrix: Solid

% Moisture: 6.6

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.548 g

Date Analyzed: 06/11/2008 1630

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		5.7		0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-110 (1-2')

Lab Sample ID: 640-16868-137

Date Sampled: 05/29/2008 1137

Client Matrix: Solid

% Moisture: 4.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.570 g

Date Analyzed: 06/11/2008 1633

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.4		0.20	0.91

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-110 (2-4')

Lab Sample ID: 640-16868-138

Date Sampled: 05/29/2008 1138

Client Matrix: Solid

% Moisture: 9.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.555 g

Date Analyzed: 06/11/2008 1634

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.93	I	0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-113 (0-1')

Lab Sample ID: 640-16868-139

Date Sampled: 05/29/2008 1140

Client Matrix: Solid

% Moisture: 5.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.526 g

Date Analyzed: 06/11/2008 1636

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		7.1		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-DUPE-17

Lab Sample ID: 640-16868-140

Date Sampled: 05/29/2008 0000

Client Matrix: Solid

% Moisture: 4.5

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.555 g

Date Analyzed: 06/11/2008 1637

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		5.7		0.21	0.94

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-113 (1-2')

Lab Sample ID: 640-16868-141

Date Sampled: 05/29/2008 1141

Client Matrix: Solid

% Moisture: 3.9

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.588 g

Date Analyzed: 06/11/2008 1639

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.4		0.19	0.89

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-113 (2-4')

Lab Sample ID: 640-16868-142

Date Sampled: 05/29/2008 1142

Client Matrix: Solid

% Moisture: 6.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.581 g

Date Analyzed: 06/11/2008 1641

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		3.4		0.20	0.92

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-114 (0-1')

Lab Sample ID: 640-16868-143

Date Sampled: 05/29/2008 1200

Client Matrix: Solid

% Moisture: 7.1

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.548 g

Date Analyzed: 06/11/2008 1643

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		7.0		0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-114 (1-2')

Lab Sample ID: 640-16868-144

Date Sampled: 05/29/2008 1201

Client Matrix: Solid

% Moisture: 5.0

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.573 g

Date Analyzed: 06/11/2008 1644

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.0		0.20	0.92

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Client Sample ID: AS-114 (2-4')

Lab Sample ID: 640-16868-145

Date Sampled: 05/29/2008 1202

Client Matrix: Solid

% Moisture: 8.3

Date Received: 05/30/2008 1319

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46195

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46131

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.576 g

Date Analyzed: 06/11/2008 1646

Final Weight/Volume: 50 mL

Date Prepared: 06/10/2008 1323

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.2		0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID:** AS-75 (0-1')

Lab Sample ID: 640-16868-1

Client Matrix: Solid

Date Sampled: 05/28/2008 1418

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Client Sample ID: AS-75 (1-2')

Lab Sample ID: 640-16868-2

Client Matrix: Solid

Date Sampled: 05/28/2008 1419

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Client Sample ID: AS-75 (2-4')

Lab Sample ID: 640-16868-3

Client Matrix: Solid

Date Sampled: 05/28/2008 1420

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	86		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Client Sample ID: AS-76 (0-1')

Lab Sample ID: 640-16868-4

Client Matrix: Solid

Date Sampled: 05/28/2008 1430

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Client Sample ID: AS-76 (1-2')

Lab Sample ID: 640-16868-5

Client Matrix: Solid

Date Sampled: 05/28/2008 1431

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: AS-76 (2-4')**

Lab Sample ID: 640-16868-6

Client Matrix: Solid

Date Sampled: 05/28/2008 1432

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Client Sample ID: AS-77 (0-1')

Lab Sample ID: 640-16868-7

Client Matrix: Solid

Date Sampled: 05/28/2008 1434

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Client Sample ID: AS-77 (1-2')

Lab Sample ID: 640-16868-8

Client Matrix: Solid

Date Sampled: 05/28/2008 1435

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Client Sample ID: AS-77 (2-4')

Lab Sample ID: 640-16868-9

Client Matrix: Solid

Date Sampled: 05/28/2008 1436

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	86		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Client Sample ID: AS-DUPE-11

Lab Sample ID: 640-16868-10

Client Matrix: Solid

Date Sampled: 05/28/2008 0000

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	81		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: AS-78 (0-1')**

Lab Sample ID: 640-16868-11

Client Matrix: Solid

Date Sampled: 05/28/2008 1445

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	82		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Client Sample ID: AS-78 (1-2')

Lab Sample ID: 640-16868-12

Client Matrix: Solid

Date Sampled: 05/28/2008 1446

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Client Sample ID: AS-78 (2-4')

Lab Sample ID: 640-16868-13

Client Matrix: Solid

Date Sampled: 05/28/2008 1447

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Client Sample ID: AS-79 (0-1')

Lab Sample ID: 640-16868-14

Client Matrix: Solid

Date Sampled: 05/28/2008 1452

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Client Sample ID: AS-79 (1-2')

Lab Sample ID: 640-16868-15

Client Matrix: Solid

Date Sampled: 05/28/2008 1453

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID:** AS-79 (2-4')

Lab Sample ID: 640-16868-16

Client Matrix: Solid

Date Sampled: 05/28/2008 1454

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Client Sample ID: AS-80 (0-1')

Lab Sample ID: 640-16868-17

Client Matrix: Solid

Date Sampled: 05/28/2008 1458

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Client Sample ID: AS-80 (1-2')

Lab Sample ID: 640-16868-18

Client Matrix: Solid

Date Sampled: 05/28/2008 1459

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Client Sample ID: AS-80 (2-4')

Lab Sample ID: 640-16868-19

Client Matrix: Solid

Date Sampled: 05/28/2008 1500

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Client Sample ID: AS-81 (0-1')

Lab Sample ID: 640-16868-20

Client Matrix: Solid

Date Sampled: 05/28/2008 1504

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46086		Date Analyzed (Start) 06/06/2008 1800 (End) 06/09/2008 1000					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID:** AS-81 (1-2')

Lab Sample ID: 640-16868-21

Client Matrix: Solid

Date Sampled: 05/28/2008 1505

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Client Sample ID: AS-81 (2-4')

Lab Sample ID: 640-16868-22

Client Matrix: Solid

Date Sampled: 05/28/2008 1506

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Client Sample ID: AS-82 (0-1')

Lab Sample ID: 640-16868-23

Client Matrix: Solid

Date Sampled: 05/28/2008 1510

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Client Sample ID: AS-82 (1-2')

Lab Sample ID: 640-16868-24

Client Matrix: Solid

Date Sampled: 05/28/2008 1511

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	98		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Client Sample ID: AS-82 (2-4')

Lab Sample ID: 640-16868-25

Client Matrix: Solid

Date Sampled: 05/28/2008 1512

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: AS-83 (0-1')**

Lab Sample ID: 640-16868-26

Client Matrix: Solid

Date Sampled: 05/28/2008 1514

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	98		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Client Sample ID: AS-83 (1-2')

Lab Sample ID: 640-16868-27

Client Matrix: Solid

Date Sampled: 05/28/2008 1515

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Client Sample ID: AS-83 (2-4')

Lab Sample ID: 640-16868-28

Client Matrix: Solid

Date Sampled: 05/28/2008 1516

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Client Sample ID: AS-84 (0-1')

Lab Sample ID: 640-16868-29

Client Matrix: Solid

Date Sampled: 05/28/2008 1518

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	99		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Client Sample ID: AS-84 (1-2')

Lab Sample ID: 640-16868-30

Client Matrix: Solid

Date Sampled: 05/28/2008 1519

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: AS-DUPE-12**

Lab Sample ID: 640-16868-31

Client Matrix: Solid

Date Sampled: 05/28/2008 0000

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Client Sample ID: AS-84 (2-4')

Lab Sample ID: 640-16868-32

Client Matrix: Solid

Date Sampled: 05/28/2008 1520

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Client Sample ID: AS-85 (0-1')

Lab Sample ID: 640-16868-33

Client Matrix: Solid

Date Sampled: 05/28/2008 1523

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	98		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Client Sample ID: AS-85 (1-2')

Lab Sample ID: 640-16868-34

Client Matrix: Solid

Date Sampled: 05/28/2008 1524

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	98		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Client Sample ID: AS-85 (2-4')

Lab Sample ID: 640-16868-35

Client Matrix: Solid

Date Sampled: 05/28/2008 1525

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID:** AS-86 (0-1')

Lab Sample ID: 640-16868-36

Client Matrix: Solid

Date Sampled: 05/28/2008 1526

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	99		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Client Sample ID: AS-86 (1-2')

Lab Sample ID: 640-16868-37

Client Matrix: Solid

Date Sampled: 05/28/2008 1527

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	98		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Client Sample ID: AS-86 (2-4')

Lab Sample ID: 640-16868-38

Client Matrix: Solid

Date Sampled: 05/28/2008 1528

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Client Sample ID: AS-87 (0-1')

Lab Sample ID: 640-16868-39

Client Matrix: Solid

Date Sampled: 05/28/2008 1530

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Client Sample ID: AS-87 (1-2')

Lab Sample ID: 640-16868-40

Client Matrix: Solid

Date Sampled: 05/28/2008 1531

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	71		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46088		Date Analyzed (Start) 06/06/2008 1830 (End) 06/09/2008 1015					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID:** AS-87 (2-4')

Lab Sample ID: 640-16868-41

Client Matrix: Solid

Date Sampled: 05/28/2008 1532

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Client Sample ID: AS-18 (0-1')

Lab Sample ID: 640-16868-42

Client Matrix: Solid

Date Sampled: 05/28/2008 1554

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Client Sample ID: AS-18 (1-2')

Lab Sample ID: 640-16868-43

Client Matrix: Solid

Date Sampled: 05/28/2008 1555

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Client Sample ID: AS-18 (2-4')

Lab Sample ID: 640-16868-44

Client Matrix: Solid

Date Sampled: 05/28/2008 1556

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Client Sample ID: SS-16 (0-2')

Lab Sample ID: 640-16868-45

Client Matrix: Solid

Date Sampled: 05/28/2008 1600

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46097		Date Analyzed (Start) 06/04/2008 1248 (End) 06/09/2008 1100					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID:** SS-16 (2-4')

Lab Sample ID: 640-16868-46

Client Matrix: Solid

Date Sampled: 05/28/2008 1601

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46097		Date Analyzed (Start) 06/04/2008 1248 (End) 06/09/2008 1100					

Client Sample ID: SS-16 (4-6')

Lab Sample ID: 640-16868-47

Client Matrix: Solid

Date Sampled: 05/28/2008 1602

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	84		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46097		Date Analyzed (Start) 06/04/2008 1248 (End) 06/09/2008 1100					

Client Sample ID: SS-17 (0-2')

Lab Sample ID: 640-16868-48

Client Matrix: Solid

Date Sampled: 05/28/2008 1605

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46097		Date Analyzed (Start) 06/04/2008 1248 (End) 06/09/2008 1100					

Client Sample ID: SS-17 (2-4')

Lab Sample ID: 640-16868-49

Client Matrix: Solid

Date Sampled: 05/28/2008 1606

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46097		Date Analyzed (Start) 06/04/2008 1248 (End) 06/09/2008 1100					

Client Sample ID: SS-17 (4-6')

Lab Sample ID: 640-16868-50

Client Matrix: Solid

Date Sampled: 05/28/2008 1607

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	85		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46097		Date Analyzed (Start) 06/04/2008 1248 (End) 06/09/2008 1100					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: SS-18 (0-2')**

Lab Sample ID: 640-16868-51

Client Matrix: Solid

Date Sampled: 05/28/2008 1620

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46097		Date Analyzed (Start) 06/04/2008 1248 (End) 06/09/2008 1100					

Client Sample ID: SS-DUPE-13

Lab Sample ID: 640-16868-52

Client Matrix: Solid

Date Sampled: 05/28/2008 0000

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46097		Date Analyzed (Start) 06/04/2008 1248 (End) 06/09/2008 1100					

Client Sample ID: SS-18 (2-4')

Lab Sample ID: 640-16868-53

Client Matrix: Solid

Date Sampled: 05/28/2008 1621

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46097		Date Analyzed (Start) 06/04/2008 1248 (End) 06/09/2008 1100					

Client Sample ID: SS-18 (4-6')

Lab Sample ID: 640-16868-54

Client Matrix: Solid

Date Sampled: 05/28/2008 1622

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46097		Date Analyzed (Start) 06/04/2008 1248 (End) 06/09/2008 1100					

Client Sample ID: SS-19 (0-2)

Lab Sample ID: 640-16868-55

Client Matrix: Solid

Date Sampled: 05/28/2008 1645

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46097		Date Analyzed (Start) 06/04/2008 1248 (End) 06/09/2008 1100					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: SS-19 (2-4)**

Lab Sample ID: 640-16868-56

Client Matrix: Solid

Date Sampled: 05/28/2008 1646

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46097		Date Analyzed (Start) 06/04/2008 1248 (End) 06/09/2008 1100					

Client Sample ID: SS-19 (4-6)

Lab Sample ID: 640-16868-57

Client Matrix: Solid

Date Sampled: 05/28/2008 1647

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	84		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46097		Date Analyzed (Start) 06/04/2008 1248 (End) 06/09/2008 1100					

Client Sample ID: AS-88 (0-1')

Lab Sample ID: 640-16868-58

Client Matrix: Solid

Date Sampled: 05/29/2008 0841

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Client Sample ID: AS-88 (1-2')

Lab Sample ID: 640-16868-59

Client Matrix: Solid

Date Sampled: 05/29/2008 0842

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Client Sample ID: AS-88 (2-4')

Lab Sample ID: 640-16868-60

Client Matrix: Solid

Date Sampled: 05/29/2008 0843

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID:** AS-89 (0-1')

Lab Sample ID: 640-16868-61

Client Matrix: Solid

Date Sampled: 05/29/2008 0848

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	98		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Client Sample ID: AS-89 (1-2')

Lab Sample ID: 640-16868-62

Client Matrix: Solid

Date Sampled: 05/29/2008 0849

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Client Sample ID: AS-89 (2-4')

Lab Sample ID: 640-16868-63

Client Matrix: Solid

Date Sampled: 05/29/2008 0850

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Client Sample ID: AS-90 (0-1')

Lab Sample ID: 640-16868-64

Client Matrix: Solid

Date Sampled: 05/29/2008 0854

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Client Sample ID: AS-90 (1-2')

Lab Sample ID: 640-16868-65

Client Matrix: Solid

Date Sampled: 05/29/2008 0855

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: AS-90 (2-4')**

Lab Sample ID: 640-16868-66

Client Matrix: Solid

Date Sampled: 05/29/2008 0856

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	98		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Client Sample ID: AS-91 (0-1')

Lab Sample ID: 640-16868-67

Client Matrix: Solid

Date Sampled: 05/29/2008 0900

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Client Sample ID: AS-91 (1-2')

Lab Sample ID: 640-16868-68

Client Matrix: Solid

Date Sampled: 05/29/2008 0901

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Client Sample ID: AS-91 (2-4')

Lab Sample ID: 640-16868-69

Client Matrix: Solid

Date Sampled: 05/29/2008 0902

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Client Sample ID: AS-92 (0-1')

Lab Sample ID: 640-16868-70

Client Matrix: Solid

Date Sampled: 05/29/2008 0904

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: AS-92 (1-2')**

Lab Sample ID: 640-16868-71

Client Matrix: Solid

Date Sampled: 05/29/2008 0905

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Client Sample ID: AS-92 (2-4')

Lab Sample ID: 640-16868-72

Client Matrix: Solid

Date Sampled: 05/29/2008 0906

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	98		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Client Sample ID: AS-93 (0-1')

Lab Sample ID: 640-16868-73

Client Matrix: Solid

Date Sampled: 05/29/2008 0908

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46094		Date Analyzed (Start) 06/06/2008 1222 (End) 06/09/2008 1030					

Client Sample ID: AS-DUPE-14

Lab Sample ID: 640-16868-74

Client Matrix: Solid

Date Sampled: 05/29/2008 0000

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Client Sample ID: AS-93 (1-2')

Lab Sample ID: 640-16868-75

Client Matrix: Solid

Date Sampled: 05/29/2008 0909

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	98		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: AS-93 (2-4')**

Lab Sample ID: 640-16868-76

Client Matrix: Solid

Date Sampled: 05/29/2008 0910

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Client Sample ID: AS-94 (0-1')

Lab Sample ID: 640-16868-77

Client Matrix: Solid

Date Sampled: 05/29/2008 0914

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Client Sample ID: AS-94 (1-2')

Lab Sample ID: 640-16868-78

Client Matrix: Solid

Date Sampled: 05/29/2008 0915

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	99		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Client Sample ID: AS-94 (2-4')

Lab Sample ID: 640-16868-79

Client Matrix: Solid

Date Sampled: 05/29/2008 0916

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Client Sample ID: AS-95 (0-1')

Lab Sample ID: 640-16868-80

Client Matrix: Solid

Date Sampled: 05/29/2008 0918

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	98		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID:** AS-95 (1-2')

Lab Sample ID: 640-16868-81

Date Sampled: 05/29/2008 0919

Client Matrix: Solid

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Client Sample ID: AS-95 (2-4')

Lab Sample ID: 640-16868-82

Date Sampled: 05/29/2008 0920

Client Matrix: Solid

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Client Sample ID: AS-96 (0-1')

Lab Sample ID: 640-16868-83

Date Sampled: 05/29/2008 0925

Client Matrix: Solid

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Client Sample ID: AS-96 (1-2')

Lab Sample ID: 640-16868-84

Date Sampled: 05/29/2008 0926

Client Matrix: Solid

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	98		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Client Sample ID: AS-96 (2-4')

Lab Sample ID: 640-16868-85

Date Sampled: 05/29/2008 0927

Client Matrix: Solid

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: AS-97 (0-1')**

Lab Sample ID: 640-16868-86

Client Matrix: Solid

Date Sampled: 05/29/2008 0932

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Client Sample ID: AS-97 (1-2')

Lab Sample ID: 640-16868-87

Client Matrix: Solid

Date Sampled: 05/29/2008 0933

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	99		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Client Sample ID: AS-97 (2-4')

Lab Sample ID: 640-16868-88

Client Matrix: Solid

Date Sampled: 05/29/2008 0934

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Client Sample ID: AS-100 (0-1')

Lab Sample ID: 640-16868-89

Client Matrix: Solid

Date Sampled: 05/29/2008 0944

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Client Sample ID: AS-100 (1-2')

Lab Sample ID: 640-16868-90

Client Matrix: Solid

Date Sampled: 05/29/2008 0945

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: AS-100 (2-4')**

Lab Sample ID: 640-16868-91

Date Sampled: 05/29/2008 0946

Client Matrix: Solid

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Client Sample ID: AS-101 (0-1)

Lab Sample ID: 640-16868-92

Date Sampled: 05/29/2008 0950

Client Matrix: Solid

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Client Sample ID: AS-101 (1-2)

Lab Sample ID: 640-16868-93

Date Sampled: 05/29/2008 0951

Client Matrix: Solid

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	98		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46095		Date Analyzed (Start) 06/06/2008 1238 (End) 06/09/2008 1100					

Client Sample ID: AS-101 (2-4)

Lab Sample ID: 640-16868-94

Date Sampled: 05/29/2008 0952

Client Matrix: Solid

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Client Sample ID: AS-102 (0-1')

Lab Sample ID: 640-16868-95

Date Sampled: 05/29/2008 0954

Client Matrix: Solid

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: AS-DUPE-15**

Lab Sample ID: 640-16868-96

Client Matrix: Solid

Date Sampled: 05/29/2008 0000

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Client Sample ID: AS-102 (1-2')

Lab Sample ID: 640-16868-97

Client Matrix: Solid

Date Sampled: 05/29/2008 0955

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Client Sample ID: AS-102 (2-4')

Lab Sample ID: 640-16868-98

Client Matrix: Solid

Date Sampled: 05/29/2008 0956

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Client Sample ID: AS-103 (0-1')

Lab Sample ID: 640-16868-99

Client Matrix: Solid

Date Sampled: 05/29/2008 1002

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Client Sample ID: AS-103 (1-2')

Lab Sample ID: 640-16868-100

Client Matrix: Solid

Date Sampled: 05/29/2008 1003

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: AS-103 (2-4')**

Lab Sample ID: 640-16868-101

Client Matrix: Solid

Date Sampled: 05/29/2008 1004

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Client Sample ID: AS-107 (0-1')

Lab Sample ID: 640-16868-102

Client Matrix: Solid

Date Sampled: 05/29/2008 1010

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Client Sample ID: AS-107 (1-2')

Lab Sample ID: 640-16868-103

Client Matrix: Solid

Date Sampled: 05/29/2008 1011

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Client Sample ID: AS-107 (2-4')

Lab Sample ID: 640-16868-104

Client Matrix: Solid

Date Sampled: 05/29/2008 1012

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Client Sample ID: AS-106 (0-1')

Lab Sample ID: 640-16868-105

Client Matrix: Solid

Date Sampled: 05/29/2008 1018

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID:** AS-106 (1-2')

Lab Sample ID: 640-16868-106

Client Matrix: Solid

Date Sampled: 05/29/2008 1019

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Client Sample ID: AS-106 (2-4')

Lab Sample ID: 640-16868-107

Client Matrix: Solid

Date Sampled: 05/29/2008 1020

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Client Sample ID: AS-108 (0-1')

Lab Sample ID: 640-16868-108

Client Matrix: Solid

Date Sampled: 05/29/2008 1025

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Client Sample ID: AS-108 (1-2')

Lab Sample ID: 640-16868-109

Client Matrix: Solid

Date Sampled: 05/29/2008 1026

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Client Sample ID: AS-108 (2-4')

Lab Sample ID: 640-16868-110

Client Matrix: Solid

Date Sampled: 05/29/2008 1027

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID:** AS-111 (0-1')

Lab Sample ID: 640-16868-111

Client Matrix: Solid

Date Sampled: 05/29/2008 1032

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Client Sample ID: AS-111 (1-2')

Lab Sample ID: 640-16868-112

Client Matrix: Solid

Date Sampled: 05/29/2008 1033

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Client Sample ID: AS-111 (2-4')

Lab Sample ID: 640-16868-113

Client Matrix: Solid

Date Sampled: 05/29/2008 1034

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46099		Date Analyzed (Start) 06/06/2008 1302 (End) 06/09/2008 1115					

Client Sample ID: AS-112 (0-1)

Lab Sample ID: 640-16868-114

Client Matrix: Solid

Date Sampled: 05/29/2008 1042

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Client Sample ID: AS-112 (1-2)

Lab Sample ID: 640-16868-115

Client Matrix: Solid

Date Sampled: 05/29/2008 1043

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: AS-112 (2-4)**

Lab Sample ID: 640-16868-116

Client Matrix: Solid

Date Sampled: 05/29/2008 1044

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Client Sample ID: AS-115 (0-1')

Lab Sample ID: 640-16868-117

Client Matrix: Solid

Date Sampled: 05/29/2008 1048

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Client Sample ID: AS-115 (1-2')

Lab Sample ID: 640-16868-118

Client Matrix: Solid

Date Sampled: 05/29/2008 1049

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Client Sample ID: AS-DUPE-16

Lab Sample ID: 640-16868-119

Client Matrix: Solid

Date Sampled: 05/29/2008 0000

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Client Sample ID: AS-115 (2-4')

Lab Sample ID: 640-16868-120

Client Matrix: Solid

Date Sampled: 05/29/2008 1050

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: AS-98 (0-1')**

Lab Sample ID: 640-16868-121

Client Matrix: Solid

Date Sampled: 05/29/2008 1106

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Client Sample ID: AS-98 (1-2')

Lab Sample ID: 640-16868-122

Client Matrix: Solid

Date Sampled: 05/29/2008 1107

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Client Sample ID: AS-98 (2-4')

Lab Sample ID: 640-16868-123

Client Matrix: Solid

Date Sampled: 05/29/2008 1108

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Client Sample ID: AS-99 (0-1')

Lab Sample ID: 640-16868-124

Client Matrix: Solid

Date Sampled: 05/29/2008 1112

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	98		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Client Sample ID: AS-99 (1-2')

Lab Sample ID: 640-16868-125

Client Matrix: Solid

Date Sampled: 05/29/2008 1113

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: AS-99 (2-4')**

Lab Sample ID: 640-16868-126

Client Matrix: Solid

Date Sampled: 05/29/2008 1114

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Client Sample ID: AS-104 (0-1')

Lab Sample ID: 640-16868-127

Client Matrix: Solid

Date Sampled: 05/29/2008 1118

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Client Sample ID: AS-104 (1-2')

Lab Sample ID: 640-16868-128

Client Matrix: Solid

Date Sampled: 05/29/2008 1119

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Client Sample ID: AS-104 (2-4')

Lab Sample ID: 640-16868-129

Client Matrix: Solid

Date Sampled: 05/29/2008 1120

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Client Sample ID: AS-105 (0-1')

Lab Sample ID: 640-16868-130

Client Matrix: Solid

Date Sampled: 05/29/2008 1125

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: AS-105 (1-2')**

Lab Sample ID: 640-16868-131

Client Matrix: Solid

Date Sampled: 05/29/2008 1126

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Client Sample ID: AS-105 (2-4')

Lab Sample ID: 640-16868-132

Client Matrix: Solid

Date Sampled: 05/29/2008 1127

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Client Sample ID: AS-109 (0-1')

Lab Sample ID: 640-16868-133

Client Matrix: Solid

Date Sampled: 05/29/2008 1132

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46103		Date Analyzed (Start) 06/06/2008 1325 (End) 06/09/2008 1130					

Client Sample ID: AS-109 (1-2')

Lab Sample ID: 640-16868-134

Client Matrix: Solid

Date Sampled: 05/29/2008 1133

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46106		Date Analyzed (Start) 06/06/2008 1337 (End) 06/09/2008 1145					

Client Sample ID: AS-109 (2-4')

Lab Sample ID: 640-16868-135

Client Matrix: Solid

Date Sampled: 05/29/2008 1134

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46106		Date Analyzed (Start) 06/06/2008 1337 (End) 06/09/2008 1145					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID: AS-110 (0-1')**

Lab Sample ID: 640-16868-136

Client Matrix: Solid

Date Sampled: 05/29/2008 1136

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46106		Date Analyzed (Start) 06/06/2008 1337 (End) 06/09/2008 1145					

Client Sample ID: AS-110 (1-2')

Lab Sample ID: 640-16868-137

Client Matrix: Solid

Date Sampled: 05/29/2008 1137

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46106		Date Analyzed (Start) 06/06/2008 1337 (End) 06/09/2008 1145					

Client Sample ID: AS-110 (2-4')

Lab Sample ID: 640-16868-138

Client Matrix: Solid

Date Sampled: 05/29/2008 1138

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46106		Date Analyzed (Start) 06/06/2008 1337 (End) 06/09/2008 1145					

Client Sample ID: AS-113 (0-1')

Lab Sample ID: 640-16868-139

Client Matrix: Solid

Date Sampled: 05/29/2008 1140

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46106		Date Analyzed (Start) 06/06/2008 1337 (End) 06/09/2008 1145					

Client Sample ID: AS-DUPE-17

Lab Sample ID: 640-16868-140

Client Matrix: Solid

Date Sampled: 05/29/2008 0000

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46106		Date Analyzed (Start) 06/06/2008 1337 (End) 06/09/2008 1145					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

General Chemistry**Client Sample ID:** AS-113 (1-2')

Lab Sample ID: 640-16868-141

Client Matrix: Solid

Date Sampled: 05/29/2008 1141

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46106		Date Analyzed (Start) 06/06/2008 1337 (End) 06/09/2008 1145					

Client Sample ID: AS-113 (2-4')

Lab Sample ID: 640-16868-142

Client Matrix: Solid

Date Sampled: 05/29/2008 1142

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46106		Date Analyzed (Start) 06/06/2008 1337 (End) 06/09/2008 1145					

Client Sample ID: AS-114 (0-1')

Lab Sample ID: 640-16868-143

Client Matrix: Solid

Date Sampled: 05/29/2008 1200

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46106		Date Analyzed (Start) 06/06/2008 1337 (End) 06/09/2008 1145					

Client Sample ID: AS-114 (1-2')

Lab Sample ID: 640-16868-144

Client Matrix: Solid

Date Sampled: 05/29/2008 1201

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46106		Date Analyzed (Start) 06/06/2008 1337 (End) 06/09/2008 1145					

Client Sample ID: AS-114 (2-4')

Lab Sample ID: 640-16868-145

Client Matrix: Solid

Date Sampled: 05/29/2008 1202

Date Received: 05/30/2008 1319

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46106		Date Analyzed (Start) 06/06/2008 1337 (End) 06/09/2008 1145					

DATA REPORTING QUALIFIERS

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	J	Estimated value; value may not be accurate.
	U	Indicates that the compound was analyzed for but not detected.
	V	Indicates the analyte was detected in both the sample and the associated method blank.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Metals		
	J	Estimated value; value may not be accurate.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

QUALITY CONTROL RESULTS

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Surrogate Recovery Report**8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	FBP %Rec	TBP %Rec	NBZ %Rec	TPH %Rec
640-16868-45	SS-16 (0-2')	54	54	62	80	59	81
640-16868-46	SS-16 (2-4')	68	66	74	109	74	96
640-16868-47	SS-16 (4-6')	61	58	64	93	64	79
640-16868-48	SS-17 (0-2')	67	64	73	103	74	91
640-16868-49	SS-17 (2-4')	61	58	64	100	65	87
640-16868-50	SS-17 (4-6')	44	43	46	90	45	83
640-16868-51	SS-18 (0-2')	63	59	65	95	67	87
640-16868-52	SS-DUPE-13	64	62	68	96	68	91
640-16868-53	SS-18 (2-4')	57	54	62	98	62	85
640-16868-54	SS-18 (4-6')	75	70	80	120	75	101
640-16868-55	SS-19 (0-2)	67	65	71	86	74	90
640-16868-56	SS-19 (2-4)	69	65	75	115	75	102
640-16868-57	SS-19 (4-6)	67	62	68	103	73	85
MB 640-45914/1-A		72	65	74	90	77	91
LCS 640-45914/2-A		72	73	79	104	78	94
LCSD 640-45914/3-A		85	85	91	118	90	106
640-16868-45 MS	SS-16 (0-2') MS	59	61	65	85	61	84
640-16868-45 MSD	SS-16 (0-2') MSD	58	61	69	92	62	84

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	27-135
PHL = Phenol-d5	24-135
FBP = 2-Fluorobiphenyl	30-135
TBP = 2,4,6-Tribromophenol	24-135
NBZ = Nitrobenzene-d5	22-135
TPH = Terphenyl-d14	36-135

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Method Blank - Batch: 640-45914

Method: 8270C Preparation: 3550B

Lab Sample ID: MB 640-45914/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1329
Date Prepared: 06/04/2008 1000

Analysis Batch: 640-46197
Prep Batch: 640-45914
Units: ug/Kg

Instrument ID: SMA HP 5973
Lab File ID: A8061127.D
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	MDL	PQL
1,2,4-Trichlorobenzene	13	U	13	330
1,2-Dichlorobenzene	25	U	25	330
1,3-Dichlorobenzene	20	U	20	330
1,4-Dichlorobenzene	17	U	17	330
2,2'-oxybis[1-chloropropane]	17	U	17	330
2,4,5-Trichlorophenol	60	U	60	330
2,4,6-Trichlorophenol	16	U	16	330
2,4-Dichlorophenol	22	U	22	330
2,4-Dimethylphenol	14	U	14	330
2,4-Dinitrophenol	170	U	170	1700
2,4-Dinitrotoluene	16	U	16	330
2,6-Dinitrotoluene	16	U	16	330
2-Chloronaphthalene	17	U	17	330
2-Chlorophenol	17	U	17	330
2-Methylnaphthalene	11	U	11	330
2-Methylphenol	19	U	19	330
2-Nitroaniline	8.9	U	8.9	1700
2-Nitrophenol	22	U	22	330
3 & 4 Methylphenol	23	U	23	330
3,3'-Dichlorobenzidine	13	U	13	660
3-Nitroaniline	23	U	23	1700
4,6-Dinitro-2-methylphenol	170	U	170	1700
4-Bromophenyl phenyl ether	18	U	18	330
4-Chloro-3-methylphenol	30	U	30	330
4-Chloroaniline	13	U	13	660
4-Chlorophenyl phenyl ether	14	U	14	330
4-Nitroaniline	23	U	23	1700
4-Nitrophenol	210	U	210	1700
Acenaphthene	25	U	25	330
Acenaphthylene	43	U	43	330
Anthracene	22	U	22	330
Benzo[a]anthracene	12	U	12	330
Benzo[a]pyrene	9.7	U	9.7	330
Benzo[b]fluoranthene	5.8	U	5.8	330
Benzo[g,h,i]perylene	28	I	17	330
Benzo[k]fluoranthene	21	U	21	330
Bis(2-chloroethoxy)methane	23	U	23	330
Bis(2-chloroethyl)ether	25	U	25	330
Bis(2-ethylhexyl) phthalate	19	I	11	330
Butyl benzyl phthalate	13	U	13	330
Carbazole	16	U	16	330

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Method Blank - Batch: 640-45914

Method: 8270C Preparation: 3550B

Lab Sample ID: MB 640-45914/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1329
Date Prepared: 06/04/2008 1000

Analysis Batch: 640-46197
Prep Batch: 640-45914
Units: ug/Kg

Instrument ID: SMA HP 5973
Lab File ID: A8061127.D
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	MDL	PQL
Chrysene	21	U	21	330
Dibenz(a,h)anthracene	12	U	12	330
Dibenzofuran	11	U	11	330
Diethyl phthalate	14	U	14	330
Dimethyl phthalate	18	U	18	330
Di-n-butyl phthalate	75	U	75	330
Di-n-octyl phthalate	13	U	13	330
Fluoranthene	19	U	19	330
Fluorene	24	U	24	330
Hexachlorobenzene	25	U	25	330
Hexachlorobutadiene	21	U	21	330
Hexachlorocyclopentadiene	16	U	16	330
Hexachloroethane	20	U	20	330
Indeno[1,2,3-cd]pyrene	14	U	14	330
Isophorone	12	U	12	330
Naphthalene	21	U	21	330
Nitrobenzene	16	U	16	330
N-Nitrosodi-n-propylamine	16	U	16	330
N-Nitrosodiphenylamine	49	U	49	330
Pentachlorophenol	49	U	49	1700
Phenanthrene	23	U	23	330
Phenol	19	U	19	330
Pyrene	16	U	16	330

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	72	27 - 135
Phenol-d5	65	24 - 135
2-Fluorobiphenyl	74	30 - 135
2,4,6-Tribromophenol	90	24 - 135
Nitrobenzene-d5	77	22 - 135
Terphenyl-d14	91	36 - 135

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 640-45914**

**Method: 8270C
Preparation: 3550B**

LCS Lab Sample ID: LCS 640-45914/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1351
Date Prepared: 06/04/2008 1000

Analysis Batch: 640-46197
Prep Batch: 640-45914
Units: ug/Kg

Instrument ID: SMA HP 5973
Lab File ID: A8061128.D
Initial Weight/Volume: 30.02 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

LCSD Lab Sample ID: LCSD 640-45914/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1415
Date Prepared: 06/04/2008 1000

Analysis Batch: 640-46197
Prep Batch: 640-45914
Units: ug/Kg

Instrument ID: SMA HP 5973
Lab File ID: A8061129.D
Initial Weight/Volume: 30.04 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,2,4-Trichlorobenzene	78	75	40 - 100	4	50		
2,2'-oxybis[1-chloropropane]	86	85	43 - 100	1	50		
2,4-Dinitrotoluene	94	92	53 - 100	2	50		
4-Nitrophenol	77	77	30 - 119	1	50	I	I
Acenaphthene	81	82	43 - 100	2	50		
N-Nitrosodi-n-propylamine	82	81	41 - 100	0	50		
Pentachlorophenol	84	84	10 - 100	0	50	I	I
Phenol	77	75	44 - 100	3	50		
Pyrene	97	95	46 - 120	2	50		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-45914

Method: 8270C

Preparation: 3550B

MS Lab Sample ID: 640-16868-45
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1937
Date Prepared: 06/04/2008 1000

Analysis Batch: 640-46197
Prep Batch: 640-45914

Instrument ID: SMA HP 5973
Lab File ID: A8061143.D
Initial Weight/Volume: 30.07 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

MSD Lab Sample ID: 640-16868-45
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 2001
Date Prepared: 06/04/2008 1000

Analysis Batch: 640-46197
Prep Batch: 640-45914

Instrument ID: SMA HP 5973
Lab File ID: A8061144.D
Initial Weight/Volume: 30.04 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,2,4-Trichlorobenzene	63	53	40 - 100	17	50		
2,2'-oxybis[1-chloropropane]	65	57	43 - 100	13	50		
2,4-Dinitrotoluene	84	78	53 - 100	7	50		
4-Nitrophenol	73	71	30 - 119	3	50	I	I
Acenaphthene	72	69	43 - 100	4	50		
N-Nitrosodi-n-propylamine	68	62	41 - 100	11	50		
Pentachlorophenol	64	56	10 - 100	13	50	I	I
Phenol	63	57	44 - 100	10	50		
Pyrene	96	145	46 - 120	36	50		J

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Method Blank - Batch: 640-46027

Lab Sample ID: MB 640-46027/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/09/2008 1513
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46113
Prep Batch: 640-46027
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	1.0

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-46027

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-46027/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/09/2008 1515
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46113
Prep Batch: 640-46027
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.501 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-46027/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/09/2008 1516
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46113
Prep Batch: 640-46027
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.504 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	97	100	80 - 120	3	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Method Blank - Batch: 640-46029

Lab Sample ID: MB 640-46029/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/09/2008 1618
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46115
Prep Batch: 640-46029
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.504 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	0.99

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-46029

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-46029/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/09/2008 1620
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46115
Prep Batch: 640-46029
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.504 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-46029/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/09/2008 1621
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46115
Prep Batch: 640-46029
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	103	100	80 - 120	3	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-46029

Method: 6010B

Preparation: 3050B

MS Lab Sample ID: 640-16868-17
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/09/2008 1627
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46115
Prep Batch: 640-46029

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.589 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16868-17
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/09/2008 1628
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46115
Prep Batch: 640-46029

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.588 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	94	98	75 - 125	4	20		

Duplicate - Batch: 640-46029

Method: 6010B

Preparation: 3050B

Lab Sample ID: 640-16868-17
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/09/2008 1625
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46115
Prep Batch: 640-46029
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.579 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	0.46	I	0.21	NC	20	U

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Method Blank - Batch: 640-46031

Lab Sample ID: MB 640-46031/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/10/2008 1347
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46146
Prep Batch: 640-46031
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.501 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	1.0

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-46031

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-46031/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/10/2008 1349
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46146
Prep Batch: 640-46031
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.504 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-46031/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/10/2008 1351
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46146
Prep Batch: 640-46031
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	94	98	80 - 120	4	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-46031

Method: 6010B

Preparation: 3050B

MS Lab Sample ID: 640-16868-37
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/10/2008 1403
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46146
Prep Batch: 640-46031

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.538 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16868-37
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/10/2008 1404
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46146
Prep Batch: 640-46031

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.530 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	95	98	75 - 125	5	20		

Duplicate - Batch: 640-46031

Method: 6010B

Preparation: 3050B

Lab Sample ID: 640-16868-37
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/10/2008 1401
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46146
Prep Batch: 640-46031
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.580 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	0.20	U	0.282	NC	20	I

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Method Blank - Batch: 640-46035

Lab Sample ID: MB 640-46035/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1204
Date Prepared: 06/09/2008 1500

Analysis Batch: 640-46184
Prep Batch: 640-46035
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.504 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	0.99

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-46035

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-46035/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1206
Date Prepared: 06/09/2008 1500

Analysis Batch: 640-46184
Prep Batch: 640-46035
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-46035/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1208
Date Prepared: 06/09/2008 1500

Analysis Batch: 640-46184
Prep Batch: 640-46035
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.500 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	95	97	80 - 120	2	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-46035

Method: 6010B

Preparation: 3050B

MS Lab Sample ID: 640-16868-70
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1216
Date Prepared: 06/09/2008 1500

Analysis Batch: 640-46184
Prep Batch: 640-46035

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.557 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16868-70
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1218
Date Prepared: 06/09/2008 1500

Analysis Batch: 640-46184
Prep Batch: 640-46035

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.570 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	93	95	75 - 125	0	20		

Duplicate - Batch: 640-46035

Method: 6010B

Preparation: 3050B

Lab Sample ID: 640-16868-70
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1215
Date Prepared: 06/09/2008 1500

Analysis Batch: 640-46184
Prep Batch: 640-46035
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.548 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	19	18.4	6	20	

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Method Blank - Batch: 640-46036

Lab Sample ID: MB 640-46036/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1413
Date Prepared: 06/10/2008 1130

Analysis Batch: 640-46187
Prep Batch: 640-46036
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	1.0

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-46036

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-46036/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1416
Date Prepared: 06/10/2008 1130

Analysis Batch: 640-46187
Prep Batch: 640-46036
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.500 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-46036/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1417
Date Prepared: 06/10/2008 1130

Analysis Batch: 640-46187
Prep Batch: 640-46036
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.504 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	103	102	80 - 120	2	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-46036

Method: 6010B

Preparation: 3050B

MS Lab Sample ID: 640-16868-90
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1430
Date Prepared: 06/10/2008 1130

Analysis Batch: 640-46187
Prep Batch: 640-46036

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.518 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16868-90
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1431
Date Prepared: 06/10/2008 1130

Analysis Batch: 640-46187
Prep Batch: 640-46036

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.520 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	95	97	75 - 125	2	20		

Duplicate - Batch: 640-46036

Method: 6010B

Preparation: 3050B

Lab Sample ID: 640-16868-90
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1428
Date Prepared: 06/10/2008 1130

Analysis Batch: 640-46187
Prep Batch: 640-46036
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.518 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	1.4	2.60	60	20	J

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Method Blank - Batch: 640-46037

Lab Sample ID: MB 640-46037/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/10/2008 1134
Date Prepared: 06/09/2008 1500

Analysis Batch: 640-46133
Prep Batch: 640-46037
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	1.0

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-46037

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-46037/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/10/2008 1137
Date Prepared: 06/09/2008 1500

Analysis Batch: 640-46133
Prep Batch: 640-46037
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.500 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-46037/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/10/2008 1138
Date Prepared: 06/09/2008 1500

Analysis Batch: 640-46133
Prep Batch: 640-46037
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.504 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	100	103	80 - 120	3	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-46037

Method: 6010B

Preparation: 3050B

MS Lab Sample ID: 640-16868-98
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/10/2008 1144
Date Prepared: 06/09/2008 1500

Analysis Batch: 640-46133
Prep Batch: 640-46037

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.526 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16868-98
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/10/2008 1146
Date Prepared: 06/09/2008 1500

Analysis Batch: 640-46133
Prep Batch: 640-46037

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.526 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	91	94	75 - 125	3	20		

Duplicate - Batch: 640-46037

Method: 6010B

Preparation: 3050B

Lab Sample ID: 640-16868-98
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/10/2008 1143
Date Prepared: 06/09/2008 1500

Analysis Batch: 640-46133
Prep Batch: 640-46037
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.542 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	4.5	4.68	3	20	

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Method Blank - Batch: 640-46131

Lab Sample ID: MB 640-46131/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1540
Date Prepared: 06/10/2008 1323

Analysis Batch: 640-46195
Prep Batch: 640-46131
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.516 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.21	U	0.21	0.97

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-46131

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-46131/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1548
Date Prepared: 06/10/2008 1323

Analysis Batch: 640-46195
Prep Batch: 640-46131
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.571 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-46131/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1550
Date Prepared: 06/10/2008 1323

Analysis Batch: 640-46195
Prep Batch: 640-46131
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.520 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	98	103	80 - 120	14	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16868-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 640-46131

Method: 6010B

Preparation: 3050B

MS Lab Sample ID: 640-16868-129
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1605
Date Prepared: 06/10/2008 1323

Analysis Batch: 640-46195
Prep Batch: 640-46131

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.569 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16868-129
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1607
Date Prepared: 06/10/2008 1323

Analysis Batch: 640-46195
Prep Batch: 640-46131

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.536 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	89	88	75 - 125	4	20		

Duplicate - Batch: 640-46131

Method: 6010B

Preparation: 3050B

Lab Sample ID: 640-16868-129
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/11/2008 1603
Date Prepared: 06/10/2008 1323

Analysis Batch: 640-46195
Prep Batch: 640-46131
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.559 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	0.50	I	0.594	17	20	I

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

Chain of Custody Record

Client Information Company: MACTEC Engineering and Consulting Inc. Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293(Tel) Email: akodom@maetec.com Project Name: Rinker Property Site:		Sampler: <i>Jim Bullock</i> Phone: 850-656-1293 Lab Pkt: Preston, Tim E-Mail: timothy.preston@testamerica.com		COC No: 640-9300.25 Page: 25 of 38 STL Job #: 1040-10868	
Due Date Requested: TAT Requested (days): PO #: APO# WO #: Project #: 64000919 SSOA#:		Carrier Tracking Note:			
Analysis Requested		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecalhydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify) Other:			
Sample Identification		Special Instructions/Note:			
Sample ID AS-78 (1-2) AS-78 (2-4) AS-79 (0-1) AS-79 (1-2) AS-79 (2-4) AS-80 (0-1) AS-80 (1-2) AS-80 (2-4) AS-81 (0-1) AS-81 (1-2) AS-81 (2-4)	Sample Date 5/28/08	Sample Time 1446 1447 1452 1453 1454 1458 1459 1500 1504 1505 1506	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, D=dewater, BT=tissue, A=air)	Analysis Results 6260B - TCL 6010B - Arsenic 8270C - TCL 6010B - Arsenic
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Method of Shipment:			
Relinquished by: <i>Jim Bullock</i> Date/Time: 5/29/08 1500 Company:		Received by: <i>[Signature]</i> Date/Time: 5/30/08 0850 Company:			
Relinquished by:		Received by:			
Relinquished by:		Received by:			
Custody Seal: Initialed A Yes B No		Custody Seal No.			

Chain of Custody Record

Client Information Client Contact: Ms. Alicia Odom Company: MACTEC Engineering and Consulting Inc. Address: 2533 Greer Road, Suite 6 City: Tallahassee State/Zip: FL 32308 Phone: 850-656-1293 (Tel) Email: akodom@mactec.com Project Name: Rinker Property Site:		Sampler: <i>Jim Bunkle</i> Lab PM: Preston, Tim Phone: 850-656-1293 E-Mail: timothy.preston@lestamericainc.com		Carrier Tracking No(s): COC No: 640-9300.26 Page: 26 of 38	
Due Date Requested: TAT Requested (days): PO #: APO# WO #: Project #: 64000919 SSOW#:		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify) Other:			
Sample Identification Sample ID: AS-82 (0-1) Sample ID: AS-82 (1-2) Sample ID: AS-82 (2-4) Sample ID: AS-83 (0-1) Sample ID: AS-83 (1-2) Sample ID: AS-83 (2-4) Sample ID: AS-84 (0-1) Sample ID: AS-84 (1-2) Sample ID: AS-Dupe-12 Sample ID: AS-84 (2-4) Sample ID: AS-85 (0-1)		Sample Date: 5/29/08 Sample Time: 1510 Sample Time: 1511 Sample Time: 1512 Sample Time: 1514 Sample Time: 1515 Sample Time: 1516 Sample Time: 1518 Sample Time: 1519 Sample Time: 1520 Sample Time: 1523		Matrix (W-water, D-solid, O-oxidizable, STA-Tissue, A-Air) Sample Type (C=Comp, G=grab) Sample Time Sample Date	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Special Instructions/Note: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements:			
Deliverable Requested: I, II, III, IV, Other (specify)		Method of Shipment: Date/Time: 5/30/08 0850 Date/Time: Date/Time:			
Empty Kit Relinquished by: <i>Jim Bunkle</i> Relinquished by: <i>Jim Bunkle</i> Relinquished by:		Date: 5/29/08 1500 Date/Time: Date/Time:			
Custody Seal No. A Yes A No		Company:			

Chain of Custody Record

Client Information Company: MACTEC Engineering and Consulting Inc. Address: 2533 Greer Road, Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293 (Tel) E-mail: akodom@macotec.com Project Name: Rinker Property Site:		Sampler: <i>Tom Burt</i> Lab P/N: Preston, Tim E-Mail: timothy.preston@testamericainc.com Phone: 850-656-1293		COC No: 640-9300.27 Page: 27 of 38 STL Job #: 1040-16868	
Due Date Requested: TAT Requested (days): PO #: APO# WO #: Project #: 64000919 SSOW#:		Carrier Tracking No(s): Analysis Requested:			
Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Ascorbic Acid H - Ice I - Ice J - DI Water K - EDTA L - EDA Other:		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
Sample Identification Sample ID: AS-85 (1-2-) Sample ID: AS-85 (2-4-) Sample ID: AS-86 (0-1-) Sample ID: AS-86 (1-2-) Sample ID: AS-86 (2-4-) Sample ID: AS-87 (0-1-) Sample ID: AS-87 (1-2-) Sample ID: AS-87 (2-4-) Sample ID: AS-18 (0-1-) Sample ID: AS-18 (1-2-) Sample ID: AS-18 (2-4-)		Special Instructions/Note: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements:			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Deliverable Requested: I, II, III, IV, Other (specify)			
Empty Kit Relinquished by: <i>Tom Burt</i> Relinquished by: <i>Tom Burt</i> Relinquished by:		Method of Shipment: Received by: <i>Tom Burt</i> Date/Time: 5/30/08 0850 Relinquished by: <i>Tom Burt</i> Date/Time: 5/29/08 1500 Relinquished by:			
Custody Seal No. A Yes A No		Cooler Temperature (°C and Other Remarks)			

Chain of Custody Record

Client Information Client Contact: Ms. Alicia Odum Company: MACTEC Engineering and Consulting Inc. Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293 (Tel) Email: akodom@mactec.com Project Name: Rinker Property Site:		Sampler: <i>Jan Butts</i> Lab File: Preston, Tim E-Mail: timothy.preston@testamericainc.com Phone: 850-656-1293		Carrier Tracking Note: COC No: 640-9300.28 Page: Page 28 of 38 STL Job #: 1040-16868	
Due Date Requested: TAT Requested (days): PO #: APO #: WO #: Project #: 64000919 SSOW #:		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
Sample Identification Sample ID Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, Q=water, BT=Tissue, A=air)		Special Instructions/Note: 6010B - Arsenic 8270C - TCL 6010B - Arsenic 8280B - TCL			
37 SS-16 (10-2) 07 SS-16 (2-4) 246 SS-16 (4-6) SS-17 (0-2) SS-17 (2-4) SS-17 (4-6) SS-18 (0-2) SS-Dupe-13 SS-18 (2-4) SS-18 (4-6) SS-19 (0-2)		1600 1601 1602 1605 1606 1607 1620 - 1621 1622 1645			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Method of Shipment:			
Relinquished by: <i>Jan Butts</i> Date/Time: 5/29/08 1500 Company:		Received by: <i>Jan Butts</i> Date/Time: 5/30/08 0850 Company:			
Relinquished by:		Received by:			
Relinquished by:		Received by:			
Relinquished by:		Received by:			
Custody Seal No. 3 Yes 3 No		Cover Temperature: °C and Other Remarks:			

Chain of Custody Record

Client Information Company: MACTEC Engineering and Consulting Inc. Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293 (Tel) Email: jakodom@macotec.com Project Name: Rinker Property Site:		Sampler: <i>Jim Burkette</i> Lab PM: Preston, Tim E-Mail: timothy.preston@testamericainc.com Phone: 850-656-1293		Carrier Tracking No(s): COC No: 640-9300.29 Page 29 of 38 STL Job #: 1040-110868	
Due Date Requested: TAT Requested (days): PO #: APO #: WO #: Project #: SOW #: Site:		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Ammonia H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
Sample Identification Sample ID: 55-19 (2-4) Sample ID: 55-19 (4-6) Sample ID: AS-88 (0-1) Sample ID: AS-88 (1-2) Sample ID: AS-88 (2-4) Sample ID: AS-89 (0-1) Sample ID: AS-89 (1-2) Sample ID: AS-89 (2-4) Sample ID: AS-90 (0-1) Sample ID: AS-90 (1-2) Sample ID: AS-90 (2-4)		Sample Date: 5/28/08 Sample Date: 5/28/08 Sample Date: 5/29/08 Sample Date: 5/29/08 Sample Date: 5/29/08 Sample Date: 5/29/08 Sample Date: 5/29/08 Sample Date: 5/29/08 Sample Date: 5/29/08 Sample Date: 5/29/08		Sample Type (G=grab, C=comp): G Sample Type (G=grab, C=comp): G Sample Type (G=grab, C=comp): G Sample Type (G=grab, C=comp): G Sample Type (G=grab, C=comp): G Sample Type (G=grab, C=comp): G Sample Type (G=grab, C=comp): G Sample Type (G=grab, C=comp): G Sample Type (G=grab, C=comp): G Sample Type (G=grab, C=comp): G	
Matrix (W=water, S=solid, D=dust, BT=trace, NAU)		Matrix (W=water, S=solid, D=dust, BT=trace, NAU): S Matrix (W=water, S=solid, D=dust, BT=trace, NAU): S Matrix (W=water, S=solid, D=dust, BT=trace, NAU): S Matrix (W=water, S=solid, D=dust, BT=trace, NAU): S Matrix (W=water, S=solid, D=dust, BT=trace, NAU): S Matrix (W=water, S=solid, D=dust, BT=trace, NAU): S Matrix (W=water, S=solid, D=dust, BT=trace, NAU): S Matrix (W=water, S=solid, D=dust, BT=trace, NAU): S Matrix (W=water, S=solid, D=dust, BT=trace, NAU): S Matrix (W=water, S=solid, D=dust, BT=trace, NAU): S			
Special Instructions/Note:		Special Instructions/Note:			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months		Special Instructions/QC Requirements:			
Deliverable Requested: I, II, III, IV, Other (specify)		Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological			
Empty Kit Relinquished by:		Date:			
Relinquished by: <i>Jim Burkette</i>		Date/Time: 5/29/08 1500		Company:	
Relinquished by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:	
Custody Seal Intact: A Yes X No		Custody Seal No.:			

Client Information Client Contact: Ms. Alicia Odom Phone: (850) 878-3984 Fax: (850) 878-9504		Carrier Tracking No(s): 640-9300, 30		COC No: 640-9300, 30		Page: Page 30 of 38																																																																																											
Company: MACTEC Engineering and Consulting Inc Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293 (Tel) Email: aliciaodom@macotec.com Project Name: Rinker Property Site:		Lab PM: Preston, Tim E-Mail: timothy.preston@testamericainc.com		STL Job # 1040-10808		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - NaHSO4 S - H2SO4 T - TSP Dodecaldehyde U - Acetone V - MCAA W - pH 4-5 X - EDTA Y - EDA Z - other (specify)																																																																																											
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<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Sample ID</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=grab)</th> <th>Matrix (W=water, S=solid, O=unknown)</th> </tr> </thead> <tbody> <tr><td>AS-91 (0-1')</td><td>5/29/08</td><td>0900</td><td>G</td><td>S</td></tr> <tr><td>AS-91 (1-2')</td><td></td><td>0901</td><td></td><td></td></tr> <tr><td>AS-91 (2-4')</td><td></td><td>0902</td><td></td><td></td></tr> <tr><td>AS-92 (0-1')</td><td></td><td>0904</td><td></td><td></td></tr> <tr><td>AS-92 (1-2')</td><td></td><td>0905</td><td></td><td></td></tr> <tr><td>AS-92 (2-4')</td><td></td><td>0906</td><td></td><td></td></tr> <tr><td>AS-93 (0-1')</td><td></td><td>0908</td><td></td><td></td></tr> <tr><td>AS-Dupc-14</td><td></td><td></td><td></td><td></td></tr> <tr><td>AS-93 (1-2')</td><td></td><td>0909</td><td></td><td></td></tr> <tr><td>AS-93 (2-4')</td><td></td><td>0910</td><td></td><td></td></tr> <tr><td>AS-94 (0-1')</td><td></td><td>0914</td><td></td><td></td></tr> </tbody> </table>		Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=unknown)	AS-91 (0-1')	5/29/08	0900	G	S	AS-91 (1-2')		0901			AS-91 (2-4')		0902			AS-92 (0-1')		0904			AS-92 (1-2')		0905			AS-92 (2-4')		0906			AS-93 (0-1')		0908			AS-Dupc-14					AS-93 (1-2')		0909			AS-93 (2-4')		0910			AS-94 (0-1')		0914			<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Sample ID</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=grab)</th> <th>Matrix (W=water, S=solid, O=unknown)</th> </tr> </thead> <tbody> <tr><td>6010B - TCL</td><td></td><td></td><td></td><td></td></tr> <tr><td>6010B - Arsenic</td><td></td><td></td><td></td><td></td></tr> <tr><td>8260B - TCL</td><td></td><td></td><td></td><td></td></tr> <tr><td>8270C - TCL</td><td></td><td></td><td></td><td></td></tr> <tr><td>6010B - Arsenic</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>						Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=unknown)	6010B - TCL					6010B - Arsenic					8260B - TCL					8270C - TCL					6010B - Arsenic				
Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=unknown)																																																																																													
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Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																																																																																															
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:																																																																																															
Empty Kit Relinquished by:		Method of Shipment:																																																																																															
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Chain of Custody Record

Client Information Client Contact: Ms. Alicia Odom Company: MACTEC Engineering and Consulting Inc. Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293 (Tel) Email: akodom@mactec.com Project Name: Rinker Property Site: _____		Sampler: <i>Joe Barthe</i> Lab Pkt: Preston, Tim E-Mail: timothy.preston@testamericainc.com Phone: 850-656-1293		COC No: 840-9300.31 Page: Page 31 of 38 STL Job #: 6410-108608	
Due Date Requested: TAT Requested (days): PO #: APO #: WO #: Picked #: 84000919 SSOW #:		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
Sample Identification Sample ID Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=soil, BT=Tissue, A=Air)		Special Instructions/Note: 8260B - TCL 6010B - Arsenic 8270C - TCL 6010B - Arsenic			
AS-94 (1-2) AS-94 (2-4) AS-95 (0-1) AS-95 (1-2) AS-95 (2-4) AS-96 (0-1) AS-96 (1-2) AS-96 (2-4) AS-97 (0-1) AS-97 (1-2) AS-97 (2-4)		5/29/08 0915 G S 5/29/08 0916 0918 0919 0920 0925 0926 0927 0932 0933 0934			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Method of Shipment:			
Relinquished by: <i>Joe Barthe</i> Date/Time: 5/29/08 1500 Company:		Received by: <i>Joe Barthe</i> Date/Time: 5/30/08 0850 Company:			
Relinquished by: Date/Time: Company:		Received by: Date/Time: Company:			
Relinquished by: Date/Time: Company:		Received by: Date/Time: Company:			
Custody Seal Intact: A Yes X No		Custody Seal No.:			

[illegible]

Client Information Client Contact: Ms. Alicia Odom Phone: (850) 878-3894 FAX (850) 878-8804		Carrier Tracking No(s): 640-9300.33		COC No: 640-9300.33		Page: Page 33 of 38	
Sampler: <i>Jim Butts</i> Phone: 850-656-1293		Lab PM: Preston, Tim E-Mail: timothy.preston@lestamerica.com		STL Job # 640-110868		Special Instructions/Note:	
Company: MACTEC Engineering and Consulting Inc Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293(Tel) Email: aikodom@macotec.com Project Name: Rinker Property Site:		Due Date Requested: TAT Requested (days): PO #: APO #: WO #: Project #: 64000919 SSOW #:		Analysis Requested		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)	
22 AS-103 (1-2-)		5/29/08		1003		G S	
23 AS-103 (2-4-)		1004		1010		1011	
24 AS-107 (0-1-)		1012		1018		1019	
AS-107 (1-2-)		1020		1025		1026	
AS-106 (0-1-)		1027		1027		1027	
AS-106 (1-2-)		1027		1027		1027	
AS-106 (2-4-)		1027		1027		1027	
AS-108 (0-1-)		1027		1027		1027	
AS-108 (1-2-)		1027		1027		1027	
AS-108 (2-4-)		1027		1027		1027	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months		Special Instructions/QC Requirements:		Special Instructions/Note:	
Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by:		Date:		Method of Shipment:	
Relinquished by: <i>Jim Butts</i>		Date/Time: 5/29/08 1500		Company:		Date/Time: 5/30/08 0850	
Relinquished by:		Date/Time:		Company:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Date/Time:	
Custody Seal Intact A Yes A No		Custody Seal No.		Grade: Temperature: % and Other Remarks:			

[illegible]

Client Information Client Contact: Ms. Alicia Odum Phone: (850) 878-3984 Fax: (850) 878-9504		Lab PM: Preston, Tim E-Mail: timothy.preston@hastamericainc.com		Carrier Tracking No(s): 640-9300 36 Page 36 of 38 STL Job #: 040-16868	
Company: MMACTEC Engineering and Consulting Inc. Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293 (Tel) Email: kakodom@mactec.com Project Name: Rinker Property Site:		Due Date Requested: TAT Requested (days): PO #: APO #: WO #: Project #: 64000919 SSOW#:		Analysis Requested 6010B - Arsenic 8270C - TCL 6010B - Arsenic 8260B - TCL	
Sample Identification AS-98 (1-2) AS-98 (2-4) AS-99 (0-1) AS-99 (1-2) AS-99 (2-4) AS-104 (0-1) AS-104 (1-2) AS-104 (2-4) AS-105 (0-1) AS-105 (1-2) AS-105 (2-4)		Sample Date 5/29/08 1107 1108 1112 1113 1114 1118 1119 1120 1125 1126 1127		Sample Type G S S S S S S S S S S S	
Matrix (W=water, S=solid, O=organic, I=Inorganic, A=Asbestos, G=Gravel)		Sample Time 1107 1108 1112 1113 1114 1118 1119 1120 1125 1126 1127		Special Instructions/Note:	
Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)					
Special Instructions/Note:					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months					
Special Instructions/QC Requirements:					
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological					
Deliverable Requested: I, II, III, IV, Other (specify)					
Empty Kit Relinquished by:					
Relinquished by: Janine Burkhardt		Date: 5/29/08 1500		Company:	
Relinquished by:		Date:		Company:	
Relinquished by:		Date:		Company:	
Method of Shipment:					
Received by:		Date/Time: 5/30/08 0850		Company:	
Received by:		Date/Time:		Company:	
Received by:		Date/Time:		Company:	
Custody Seal No.					

Chain of Custody Record

Client Information Client Contact: Ms. Alicia Odom Company: MACTEC Engineering and Consulting Inc Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293 (Tel) Email: akodom@mactec.com Project Name: Rinker Property Site: 		Sampler: <i>Jan Binkhoff</i> Lab PM: Preston, Tim E-Mail: timothy.preston@testamericainc.com Phone: 850-656-1293 Carrier Tracking No(s): COC No: 640-8300.37 Page: Page 37 of 38 STL Job #: 1040-10868	
Due Date Requested: TAT Requested (days): PO #: APO #: WO #: Project #: 64000919 SOW #: 		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)	
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=volatile, BT=trace, A=air)		Special Instructions/Note: 	
AS-109 (0-1') AS-109 (1-2') AS-109 (2-4') AS-110 (0-1') AS-110 (1-2') AS-110 (2-4') AS-113 (0-1') AS-Dupe-17 AS-113 (1-2') AS-113 (2-4') AS-114 (0-1')		8260B - TCL 6010B - Arsenic 8270C - TCL 6010B - Arsenic	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Method of Shipment:	
Relinquished by: <i>Jan Binkhoff</i> Date/Time: 5/29/08 1500 Company:		Received by: <i>ATL</i> Date/Time: 5/30/08 0850 Company:	
Relinquished by: Date/Time: Company:		Received by: Date/Time: Company:	
Relinquished by: Date/Time: Company:		Received by: Date/Time: Company:	
Custody Seal No. A. Yes A. No		Cooler Temperature(s) °C and Other Remarks:	

Phone (850) 878-3994 Fax (850) 878-9504

Chain of Custody Record

TestAmerica

THE AOD IN THE ENVIRONMENTAL TESTING

[illegible]

ANALYTICAL REPORT

Job Number: 640-16818-1

Job Description: Rinker Property

For:
MACTEC Engineering and Consulting Inc
2533 Greer Road
Suite 6
Tallahassee, FL 32308
Attention: Ms. Alicia Odom



Tim Preston
Project Manager II
timothy.preston@testamericainc.com
06/06/2008

cc: Mr. Ron White

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report. Measurement uncertainty data, as referenced in Section 20.12 of the TestAmerica Tallahassee Quality Assurance Manual, are available upon request

Florida Department of Health Certification No. E81005

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

Metals

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
640-16818-1	AS-1 (0-1')				
Arsenic		4.1	1.1	mg/Kg	6010B
Percent Solids		86	0.00010	%	PercentMoisture
640-16818-2	AS-1 (1-2')				
Arsenic		2.7	0.95	mg/Kg	6010B
Percent Solids		92	0.00010	%	PercentMoisture
640-16818-3	AS-1 (2-4')				
Arsenic		4.1	1.5	mg/Kg	6010B
Percent Solids		61	0.00010	%	PercentMoisture
640-16818-4	AS-2 (0-1')				
Arsenic		6.3	1.3	mg/Kg	6010B
Percent Solids		72	0.00010	%	PercentMoisture
640-16818-5	AS-2 (1-2')				
Arsenic		2.8	0.90	mg/Kg	6010B
Percent Solids		99	0.00010	%	PercentMoisture
640-16818-6	AS-2 (2-4')				
Arsenic		0.89	0.95	mg/Kg	6010B
Percent Solids		93	0.00010	%	PercentMoisture
640-16818-7	AS-3 (0-1')				
Arsenic		4.7	1.3	mg/Kg	6010B
Percent Solids		71	0.00010	%	PercentMoisture
640-16818-8	AS-3 (1-2')				
Arsenic		2.5	1.1	mg/Kg	6010B
Percent Solids		94	0.00010	%	PercentMoisture
640-16818-9	AS-3 (2-4')				
Arsenic		1.1	1.2	mg/Kg	6010B
Percent Solids		75	0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
640-16818-10	AS-4 (0-1')				
Arsenic		3.9	1.1	mg/Kg	6010B
Percent Solids		76	0.00010	%	PercentMoisture
640-16818-11	AS-4 (1-2')				
Arsenic		1.3	1.0	mg/Kg	6010B
Percent Solids		92	0.00010	%	PercentMoisture
640-16818-12	AS-4 (2-4')				
Arsenic		0.39 I	1.0	mg/Kg	6010B
Percent Solids		89	0.00010	%	PercentMoisture
640-16818-13	AS-5 (0-1')				
Arsenic		2.1	1.1	mg/Kg	6010B
Percent Solids		85	0.00010	%	PercentMoisture
640-16818-14	AS-5 (1-2')				
Arsenic		0.99	0.99	mg/Kg	6010B
Percent Solids		88	0.00010	%	PercentMoisture
640-16818-15	AS-5 (2-4')				
Arsenic		0.54 I	1.0	mg/Kg	6010B
Percent Solids		88	0.00010	%	PercentMoisture
640-16818-16	AS-6 (0-1')				
Arsenic		4.7	0.96	mg/Kg	6010B
Percent Solids		97	0.00010	%	PercentMoisture
640-16818-17	AS-6 (1-2')				
Arsenic		0.36 I	0.94	mg/Kg	6010B
Percent Solids		90	0.00010	%	PercentMoisture
640-16818-18	AS-6 (2-4')				
Arsenic		1.3	1.0	mg/Kg	6010B
Percent Solids		87	0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16818-19	AS-7 (0-1')					
Arsenic		0.85	I	0.95	mg/Kg	6010B
Percent Solids		96		0.00010	%	PercentMoisture
640-16818-20	AS-7 (1-2')					
Arsenic		0.78	I	1.1	mg/Kg	6010B
Percent Solids		92		0.00010	%	PercentMoisture
640-16818-21	AS-7 (2-4')					
Arsenic		0.76	I	1.1	mg/Kg	6010B
Percent Solids		86		0.00010	%	PercentMoisture
640-16818-22	AS-DUPE-01					
Arsenic		0.69	I	0.94	mg/Kg	6010B
Percent Solids		89		0.00010	%	PercentMoisture
640-16818-23	AS-8 (0-1')					
Arsenic		5.7		0.99	mg/Kg	6010B
Percent Solids		91		0.00010	%	PercentMoisture
640-16818-24	AS-8 (1-2')					
Arsenic		1.2		1.0	mg/Kg	6010B
Percent Solids		90		0.00010	%	PercentMoisture
640-16818-25	AS-8 (2-4')					
Arsenic		0.59	I	1.0	mg/Kg	6010B
Percent Solids		89		0.00010	%	PercentMoisture
640-16818-26	AS-9 (0-1')					
Arsenic		210		1.0	mg/Kg	6010B
Percent Solids		91		0.00010	%	PercentMoisture
640-16818-27	AS-9 (1-2')					
Arsenic		1.3		0.96	mg/Kg	6010B
Percent Solids		91		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
640-16818-28	AS-9 (2-4')				
Arsenic		1.5	1.1	mg/Kg	6010B
Percent Solids		90	0.00010	%	PercentMoisture
640-16818-29	AS-10 (0-1')				
Arsenic		5.7	1.0	mg/Kg	6010B
Percent Solids		83	0.00010	%	PercentMoisture
640-16818-30	AS-10 (1-2')				
Arsenic		0.84	1.1	mg/Kg	6010B
Percent Solids		92	0.00010	%	PercentMoisture
640-16818-31	AS-10 (2-4')				
Arsenic		1.7	1.0	mg/Kg	6010B
Percent Solids		89	0.00010	%	PercentMoisture
640-16818-32	AS-11 (0-1')				
Arsenic		1.3	0.99	mg/Kg	6010B
Percent Solids		93	0.00010	%	PercentMoisture
640-16818-33	AS-11 (1-2')				
Arsenic		0.46	0.97	mg/Kg	6010B
Percent Solids		93	0.00010	%	PercentMoisture
640-16818-34	AS-11 (2-4')				
Arsenic		1.2	0.95	mg/Kg	6010B
Percent Solids		89	0.00010	%	PercentMoisture
640-16818-35	AS-12 (0-1')				
Arsenic		0.88	1.0	mg/Kg	6010B
Percent Solids		84	0.00010	%	PercentMoisture
640-16818-36	AS-12 (1-2')				
Arsenic		0.77	0.98	mg/Kg	6010B
Percent Solids		87	0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16818-37	AS-12 (2-4')					
Arsenic		0.63	I	1.0	mg/Kg	6010B
Percent Solids		89		0.00010	%	PercentMoisture
640-16818-38	AS-13 (0-1')					
Arsenic		1.2		1.1	mg/Kg	6010B
Percent Solids		86		0.00010	%	PercentMoisture
640-16818-39	AS-13 (1-2')					
Arsenic		1.9		1.0	mg/Kg	6010B
Percent Solids		88		0.00010	%	PercentMoisture
640-16818-40	AS-13 (2-4')					
Arsenic		0.81	I	0.94	mg/Kg	6010B
Percent Solids		89		0.00010	%	PercentMoisture
640-16818-41	AS-14 (0-1')					
Arsenic		0.25	I	0.97	mg/Kg	6010B
Percent Solids		92		0.00010	%	PercentMoisture
640-16818-42	AS-14 (1-2')					
Arsenic		0.54	I	0.99	mg/Kg	6010B
Percent Solids		88		0.00010	%	PercentMoisture
640-16818-43	AS-14 (2-4')					
Arsenic		1.2		0.97	mg/Kg	6010B
Percent Solids		89		0.00010	%	PercentMoisture
640-16818-44	AS-DUPE-02					
Arsenic		1.3		1.0	mg/Kg	6010B
Percent Solids		89		0.00010	%	PercentMoisture
640-16818-45	AS-15 (0-1')					
Arsenic		2.1		0.91	mg/Kg	6010B
Percent Solids		93		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16818-46	AS-15 (1-2')					
Arsenic		4.4		1.2	mg/Kg	6010B
Percent Solids		78		0.00010	%	PercentMoisture
640-16818-47	AS-15 (2-4')					
Arsenic		1.1		0.93	mg/Kg	6010B
Percent Solids		90		0.00010	%	PercentMoisture
640-16818-48	AS-16 (0-1')					
Arsenic		0.80	I	0.96	mg/Kg	6010B
Percent Solids		96		0.00010	%	PercentMoisture
640-16818-49	AS-16 (1-2')					
Arsenic		1.3		1.1	mg/Kg	6010B
Percent Solids		88		0.00010	%	PercentMoisture
640-16818-50	AS-16 (2-4')					
Arsenic		0.80	I	0.96	mg/Kg	6010B
Percent Solids		87		0.00010	%	PercentMoisture
640-16818-51	AS-17 (0-1')					
Arsenic		7.9		0.94	mg/Kg	6010B
Percent Solids		94		0.00010	%	PercentMoisture
640-16818-52	AS-17 (1-2')					
Arsenic		0.44	I	0.96	mg/Kg	6010B
Percent Solids		91		0.00010	%	PercentMoisture
640-16818-53	AS-17 (2-4')					
Arsenic		0.64	I	1.1	mg/Kg	6010B
Percent Solids		90		0.00010	%	PercentMoisture
640-16818-54	AS-19 (0-1')					
Arsenic		9.8		1.2	mg/Kg	6010B
Percent Solids		74		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16818-55	AS-19 (1-2')					
Arsenic		0.53	I	1.0	mg/Kg	6010B
Percent Solids		88		0.00010	%	PercentMoisture
640-16818-56	AS-19 (2-4')					
Arsenic		0.28	I	1.1	mg/Kg	6010B
Percent Solids		88		0.00010	%	PercentMoisture
640-16818-57	AS-20 (0-1')					
Arsenic		1.0		0.95	mg/Kg	6010B
Percent Solids		94		0.00010	%	PercentMoisture
640-16818-58	AS-20 (1-2')					
Arsenic		0.52	I	0.99	mg/Kg	6010B
Percent Solids		87		0.00010	%	PercentMoisture
640-16818-59	AS-20 (2-4')					
Arsenic		2.1		1.1	mg/Kg	6010B
Percent Solids		82		0.00010	%	PercentMoisture
640-16818-60	AS-21 (0-1')					
Arsenic		9.4		1.2	mg/Kg	6010B
Percent Solids		76		0.00010	%	PercentMoisture
640-16818-61	AS-21 (1-2')					
Arsenic		0.68	I	0.95	mg/Kg	6010B
Percent Solids		89		0.00010	%	PercentMoisture
640-16818-62	AS-21 (2-4')					
Arsenic		0.68	I	0.95	mg/Kg	6010B
Percent Solids		89		0.00010	%	PercentMoisture
640-16818-63	A-22 (0-1')					
Arsenic		0.27	I	0.98	mg/Kg	6010B
Percent Solids		85		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16818-64	A-22 (1-2')					
Arsenic		0.55	I	0.99	mg/Kg	6010B
Percent Solids		85		0.00010	%	PercentMoisture
640-16818-65	A-22 (2-4')					
Arsenic		1.8		1.1	mg/Kg	6010B
Percent Solids		86		0.00010	%	PercentMoisture
640-16818-66	AS-DUPE-03					
Arsenic		0.44	I	1.3	mg/Kg	6010B
Percent Solids		67		0.00010	%	PercentMoisture

METHOD SUMMARY

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL TAL	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	TAL TAL		SW846 3050B

Lab References:

TAL TAL = TestAmerica Tallahassee

Method References:

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

SAMPLE SUMMARY

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
640-16818-1	AS-1 (0-1')	Solid	05/27/2008 1334	05/28/2008 0830
640-16818-2	AS-1 (1-2')	Solid	05/27/2008 1336	05/28/2008 0830
640-16818-3	AS-1 (2-4')	Solid	05/27/2008 1338	05/28/2008 0830
640-16818-4	AS-2 (0-1')	Solid	05/27/2008 1341	05/28/2008 0830
640-16818-5	AS-2 (1-2')	Solid	05/27/2008 1342	05/28/2008 0830
640-16818-6	AS-2 (2-4')	Solid	05/27/2008 1343	05/28/2008 0830
640-16818-7	AS-3 (0-1')	Solid	05/27/2008 1345	05/28/2008 0830
640-16818-8	AS-3 (1-2')	Solid	05/27/2008 1346	05/28/2008 0830
640-16818-9	AS-3 (2-4')	Solid	05/27/2008 1347	05/28/2008 0830
640-16818-10	AS-4 (0-1')	Solid	05/27/2008 1350	05/28/2008 0830
640-16818-11	AS-4 (1-2')	Solid	05/27/2008 1351	05/28/2008 0830
640-16818-12	AS-4 (2-4')	Solid	05/27/2008 1352	05/28/2008 0830
640-16818-13	AS-5 (0-1')	Solid	05/27/2008 1357	05/28/2008 0830
640-16818-14	AS-5 (1-2')	Solid	05/27/2008 1358	05/28/2008 0830
640-16818-15	AS-5 (2-4')	Solid	05/27/2008 1359	05/28/2008 0830
640-16818-16	AS-6 (0-1')	Solid	05/27/2008 1402	05/28/2008 0830
640-16818-17	AS-6 (1-2')	Solid	05/27/2008 1403	05/28/2008 0830
640-16818-18	AS-6 (2-4')	Solid	05/27/2008 1404	05/28/2008 0830
640-16818-19	AS-7 (0-1')	Solid	05/27/2008 1407	05/28/2008 0830
640-16818-20	AS-7 (1-2')	Solid	05/27/2008 1408	05/28/2008 0830
640-16818-21	AS-7 (2-4')	Solid	05/27/2008 1409	05/28/2008 0830
640-16818-22	AS-DUPE-01	Solid	05/27/2008 0000	05/28/2008 0830
640-16818-23	AS-8 (0-1')	Solid	05/27/2008 1412	05/28/2008 0830
640-16818-24	AS-8 (1-2')	Solid	05/27/2008 1413	05/28/2008 0830
640-16818-25	AS-8 (2-4')	Solid	05/27/2008 1414	05/28/2008 0830
640-16818-26	AS-9 (0-1')	Solid	05/27/2008 1416	05/28/2008 0830
640-16818-27	AS-9 (1-2')	Solid	05/27/2008 1417	05/28/2008 0830
640-16818-28	AS-9 (2-4')	Solid	05/27/2008 1418	05/28/2008 0830
640-16818-29	AS-10 (0-1')	Solid	05/27/2008 1420	05/28/2008 0830
640-16818-30	AS-10 (1-2')	Solid	05/27/2008 1421	05/28/2008 0830
640-16818-31	AS-10 (2-4')	Solid	05/27/2008 1422	05/28/2008 0830
640-16818-32	AS-11 (0-1')	Solid	05/27/2008 1425	05/28/2008 0830
640-16818-33	AS-11 (1-2')	Solid	05/27/2008 1426	05/28/2008 0830
640-16818-34	AS-11 (2-4')	Solid	05/27/2008 1427	05/28/2008 0830
640-16818-35	AS-12 (0-1')	Solid	05/27/2008 1430	05/28/2008 0830
640-16818-36	AS-12 (1-2')	Solid	05/27/2008 1431	05/28/2008 0830
640-16818-37	AS-12 (2-4')	Solid	05/27/2008 1432	05/28/2008 0830
640-16818-38	AS-13 (0-1')	Solid	05/27/2008 1434	05/28/2008 0830
640-16818-39	AS-13 (1-2')	Solid	05/27/2008 1435	05/28/2008 0830
640-16818-40	AS-13 (2-4')	Solid	05/27/2008 1436	05/28/2008 0830
640-16818-41	AS-14 (0-1')	Solid	05/27/2008 1438	05/28/2008 0830
640-16818-42	AS-14 (1-2')	Solid	05/27/2008 1439	05/28/2008 0830
640-16818-43	AS-14 (2-4')	Solid	05/27/2008 1440	05/28/2008 0830
640-16818-44	AS-DUPE-02	Solid	05/27/2008 0000	05/28/2008 0830
640-16818-45	AS-15 (0-1')	Solid	05/27/2008 1442	05/28/2008 0830
640-16818-46	AS-15 (1-2')	Solid	05/27/2008 1443	05/28/2008 0830

SAMPLE SUMMARY

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
640-16818-47	AS-15 (2-4')	Solid	05/27/2008 1444	05/28/2008 0830
640-16818-48	AS-16 (0-1')	Solid	05/27/2008 1447	05/28/2008 0830
640-16818-49	AS-16 (1-2')	Solid	05/27/2008 1448	05/28/2008 0830
640-16818-50	AS-16 (2-4')	Solid	05/27/2008 1449	05/28/2008 0830
640-16818-51	AS-17 (0-1')	Solid	05/27/2008 1451	05/28/2008 0830
640-16818-52	AS-17 (1-2')	Solid	05/27/2008 1452	05/28/2008 0830
640-16818-53	AS-17 (2-4')	Solid	05/27/2008 1453	05/28/2008 0830
640-16818-54	AS-19 (0-1')	Solid	05/27/2008 1456	05/28/2008 0830
640-16818-55	AS-19 (1-2')	Solid	05/27/2008 1457	05/28/2008 0830
640-16818-56	AS-19 (2-4')	Solid	05/27/2008 1458	05/28/2008 0830
640-16818-57	AS-20 (0-1')	Solid	05/27/2008 1518	05/28/2008 0830
640-16818-58	AS-20 (1-2')	Solid	05/27/2008 1519	05/28/2008 0830
640-16818-59	AS-20 (2-4')	Solid	05/27/2008 1520	05/28/2008 0830
640-16818-60	AS-21 (0-1')	Solid	05/27/2008 1524	05/28/2008 0830
640-16818-61	AS-21 (1-2')	Solid	05/27/2008 1525	05/28/2008 0830
640-16818-62	AS-21 (2-4')	Solid	05/27/2008 1526	05/28/2008 0830
640-16818-63	A-22 (0-1')	Solid	05/27/2008 1530	05/28/2008 0830
640-16818-64	A-22 (1-2')	Solid	05/27/2008 1531	05/28/2008 0830
640-16818-65	A-22 (2-4')	Solid	05/27/2008 1532	05/28/2008 0830
640-16818-66	AS-DUPE-03	Solid	05/27/2008 0000	05/28/2008 0830

SAMPLE RESULTS

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-1 (0-1')

Lab Sample ID: 640-16818-1

Date Sampled: 05/27/2008 1334

Client Matrix: Solid

% Moisture: 13.9

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.532 g

Date Analyzed: 05/29/2008 1630

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.1		0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-1 (1-2')

Lab Sample ID: 640-16818-2

Date Sampled: 05/27/2008 1336

Client Matrix: Solid

% Moisture: 8.4

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.572 g

Date Analyzed: 05/29/2008 1638

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.7		0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-1 (2-4')

Lab Sample ID: 640-16818-3

Date Sampled: 05/27/2008 1338

Client Matrix: Solid

% Moisture: 39.1

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.559 g

Date Analyzed: 05/29/2008 1640

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.1		0.32	1.5

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-2 (0-1')

Lab Sample ID: 640-16818-4

Date Sampled: 05/27/2008 1341

Client Matrix: Solid

% Moisture: 28.0

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.526 g

Date Analyzed: 05/29/2008 1641

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		6.3		0.29	1.3

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-2 (1-2')

Lab Sample ID: 640-16818-5

Date Sampled: 05/27/2008 1342

Client Matrix: Solid

% Moisture: 0.7

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.557 g

Date Analyzed: 05/29/2008 1652

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.8		0.20	0.90

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-2 (2-4')

Lab Sample ID: 640-16818-6

Date Sampled: 05/27/2008 1343

Client Matrix: Solid

% Moisture: 6.6

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.566 g

Date Analyzed: 05/29/2008 1653

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.89	I	0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-3 (0-1')

Lab Sample ID: 640-16818-7

Date Sampled: 05/27/2008 1345

Client Matrix: Solid

% Moisture: 28.9

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.529 g

Date Analyzed: 05/29/2008 1655

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.7		0.29	1.3

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-3 (1-2')

Lab Sample ID: 640-16818-8

Date Sampled: 05/27/2008 1346

Client Matrix: Solid

% Moisture: 6.2

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.500 g

Date Analyzed: 05/29/2008 1659

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.5		0.23	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-3 (2-4')

Lab Sample ID: 640-16818-9

Date Sampled: 05/27/2008 1347

Client Matrix: Solid

% Moisture: 24.7

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.542 g

Date Analyzed: 05/29/2008 1701

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.1	I	0.27	1.2

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-4 (0-1')

Lab Sample ID: 640-16818-10

Date Sampled: 05/27/2008 1350

Client Matrix: Solid

% Moisture: 23.5

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.599 g

Date Analyzed: 05/29/2008 1703

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		3.9		0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-4 (1-2')

Lab Sample ID: 640-16818-11

Date Sampled: 05/27/2008 1351

Client Matrix: Solid

% Moisture: 7.9

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.543 g

Date Analyzed: 05/29/2008 1711

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.3		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-4 (2-4')

Lab Sample ID: 640-16818-12

Date Sampled: 05/27/2008 1352

Client Matrix: Solid

% Moisture: 10.8

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.549 g

Date Analyzed: 05/29/2008 1714

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.39	I	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-5 (0-1')

Lab Sample ID: 640-16818-13

Date Sampled: 05/27/2008 1357

Client Matrix: Solid

% Moisture: 15.0

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.526 g

Date Analyzed: 05/29/2008 1722

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.1		0.25	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-5 (1-2')

Lab Sample ID: 640-16818-14

Date Sampled: 05/27/2008 1358

Client Matrix: Solid

% Moisture: 11.9

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.576 g

Date Analyzed: 05/29/2008 1724

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.99		0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-5 (2-4')

Lab Sample ID: 640-16818-15

Date Sampled: 05/27/2008 1359

Client Matrix: Solid

% Moisture: 12.4

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.553 g

Date Analyzed: 05/29/2008 1726

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.54	I	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-6 (0-1')

Lab Sample ID: 640-16818-16

Date Sampled: 05/27/2008 1402

Client Matrix: Solid

% Moisture: 3.4

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.541 g

Date Analyzed: 05/29/2008 1729

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.7		0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-6 (1-2')

Lab Sample ID: 640-16818-17

Date Sampled: 05/27/2008 1403

Client Matrix: Solid

% Moisture: 10.0

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.591 g

Date Analyzed: 05/29/2008 1730

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.36	I	0.21	0.94

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-6 (2-4')

Lab Sample ID: 640-16818-18

Date Sampled: 05/27/2008 1404

Client Matrix: Solid

% Moisture: 12.7

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.575 g

Date Analyzed: 05/29/2008 1732

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.3		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-7 (0-1')

Lab Sample ID: 640-16818-19

Date Sampled: 05/27/2008 1407

Client Matrix: Solid

% Moisture: 4.5

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.549 g

Date Analyzed: 05/29/2008 1734

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.85	I	0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-7 (1-2')

Lab Sample ID: 640-16818-20

Date Sampled: 05/27/2008 1408

Client Matrix: Solid

% Moisture: 8.5

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45750

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45710

Lab File ID: MAY08

Dilution: 1.0

Initial Weight/Volume: 0.509 g

Date Analyzed: 05/29/2008 1736

Final Weight/Volume: 50 mL

Date Prepared: 05/29/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.78	I	0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-7 (2-4')

Lab Sample ID: 640-16818-21

Date Sampled: 05/27/2008 1409

Client Matrix: Solid

% Moisture: 13.7

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.538 g

Date Analyzed: 06/04/2008 1345

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.76	I	0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-DUPE-01

Lab Sample ID: 640-16818-22

Date Sampled: 05/27/2008 0000

Client Matrix: Solid

% Moisture: 11.1

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.599 g

Date Analyzed: 06/04/2008 1403

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.69	I	0.21	0.94

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-8 (0-1')

Lab Sample ID: 640-16818-23

Date Sampled: 05/27/2008 1412

Client Matrix: Solid

% Moisture: 9.2

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.557 g

Date Analyzed: 06/04/2008 1404

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		5.7		0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-8 (1-2')

Lab Sample ID: 640-16818-24

Date Sampled: 05/27/2008 1413

Client Matrix: Solid

% Moisture: 9.5

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.553 g

Date Analyzed: 06/04/2008 1406

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.2		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-8 (2-4')

Lab Sample ID: 640-16818-25

Date Sampled: 05/27/2008 1414

Client Matrix: Solid

% Moisture: 10.8

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.549 g

Date Analyzed: 06/04/2008 1408

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.59	I	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-9 (0-1')

Lab Sample ID: 640-16818-26

Date Sampled: 05/27/2008 1416

Client Matrix: Solid

% Moisture: 8.8

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.550 g

Date Analyzed: 06/04/2008 1409

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		210		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-9 (1-2')

Lab Sample ID: 640-16818-27

Date Sampled: 05/27/2008 1417

Client Matrix: Solid

% Moisture: 9.3

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.572 g

Date Analyzed: 06/04/2008 1414

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.3		0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-9 (2-4')

Lab Sample ID: 640-16818-28

Date Sampled: 05/27/2008 1418

Client Matrix: Solid

% Moisture: 10.5

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.522 g

Date Analyzed: 06/04/2008 1424

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.5		0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-10 (0-1')

Lab Sample ID: 640-16818-29

Date Sampled: 05/27/2008 1420

Client Matrix: Solid

% Moisture: 17.0

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.585 g

Date Analyzed: 06/04/2008 1426

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		5.7		0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-10 (1-2')

Lab Sample ID: 640-16818-30

Date Sampled: 05/27/2008 1421

Client Matrix: Solid

% Moisture: 8.5

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.519 g

Date Analyzed: 06/04/2008 1427

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.84	I	0.23	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-10 (2-4')

Lab Sample ID: 640-16818-31

Date Sampled: 05/27/2008 1422

Client Matrix: Solid

% Moisture: 10.8

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.556 g

Date Analyzed: 06/04/2008 1429

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.7		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-11 (0-1')

Lab Sample ID: 640-16818-32

Date Sampled: 05/27/2008 1425

Client Matrix: Solid

% Moisture: 7.4

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.543 g

Date Analyzed: 06/04/2008 1430

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.3		0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-11 (1-2')

Lab Sample ID: 640-16818-33

Date Sampled: 05/27/2008 1426

Client Matrix: Solid

% Moisture: 7.1

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.553 g

Date Analyzed: 06/04/2008 1457

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.46	I	0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-11 (2-4')

Lab Sample ID: 640-16818-34

Date Sampled: 05/27/2008 1427

Client Matrix: Solid

% Moisture: 10.8

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.590 g

Date Analyzed: 06/04/2008 1459

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.2		0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-12 (0-1')

Lab Sample ID: 640-16818-35

Date Sampled: 05/27/2008 1430

Client Matrix: Solid

% Moisture: 15.8

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.566 g

Date Analyzed: 06/04/2008 1501

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.88	I	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-12 (1-2')

Lab Sample ID: 640-16818-36

Date Sampled: 05/27/2008 1431

Client Matrix: Solid

% Moisture: 12.9

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.584 g

Date Analyzed: 06/04/2008 1505

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.77	I	0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-12 (2-4')

Lab Sample ID: 640-16818-37

Date Sampled: 05/27/2008 1432

Client Matrix: Solid

% Moisture: 10.8

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.561 g

Date Analyzed: 06/04/2008 1507

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.63	I	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-13 (0-1')

Lab Sample ID: 640-16818-38

Date Sampled: 05/27/2008 1434

Client Matrix: Solid

% Moisture: 13.8

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.545 g

Date Analyzed: 06/04/2008 1530

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.2		0.23	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-13 (1-2')

Lab Sample ID: 640-16818-39

Date Sampled: 05/27/2008 1435

Client Matrix: Solid

% Moisture: 11.6

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.559 g

Date Analyzed: 06/04/2008 1534

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.9		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-13 (2-4')

Lab Sample ID: 640-16818-40

Date Sampled: 05/27/2008 1436

Client Matrix: Solid

% Moisture: 10.6

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45948

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45742

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.598 g

Date Analyzed: 06/04/2008 1536

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1020

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.81	I	0.21	0.94

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-14 (0-1')

Lab Sample ID: 640-16818-41

Date Sampled: 05/27/2008 1438

Client Matrix: Solid

% Moisture: 8.0

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.562 g

Date Analyzed: 06/04/2008 1552

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.25	I	0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-14 (1-2')

Lab Sample ID: 640-16818-42

Date Sampled: 05/27/2008 1439

Client Matrix: Solid

% Moisture: 11.6

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.572 g

Date Analyzed: 06/04/2008 1618

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.54	I	0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-14 (2-4')

Lab Sample ID: 640-16818-43

Date Sampled: 05/27/2008 1440

Client Matrix: Solid

% Moisture: 11.2

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.579 g

Date Analyzed: 06/04/2008 1620

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.2		0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-DUPE-02

Lab Sample ID: 640-16818-44

Date Sampled: 05/27/2008 0000

Client Matrix: Solid

% Moisture: 11.1

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.556 g

Date Analyzed: 06/04/2008 1622

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.3		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-15 (0-1')

Lab Sample ID: 640-16818-45

Date Sampled: 05/27/2008 1442

Client Matrix: Solid

% Moisture: 7.2

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.592 g

Date Analyzed: 06/04/2008 1630

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.1		0.20	0.91

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-15 (1-2')

Lab Sample ID: 640-16818-46

Date Sampled: 05/27/2008 1443

Client Matrix: Solid

% Moisture: 22.1

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.525 g

Date Analyzed: 06/04/2008 1635

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.4		0.27	1.2

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-15 (2-4')

Lab Sample ID: 640-16818-47

Date Sampled: 05/27/2008 1444

Client Matrix: Solid

% Moisture: 10.4

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.599 g

Date Analyzed: 06/04/2008 1638

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.1		0.20	0.93

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-16 (0-1')

Lab Sample ID: 640-16818-48

Date Sampled: 05/27/2008 1447

Client Matrix: Solid

% Moisture: 3.8

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.542 g

Date Analyzed: 06/04/2008 1640

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.80	I	0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-16 (1-2')

Lab Sample ID: 640-16818-49

Date Sampled: 05/27/2008 1448

Client Matrix: Solid

% Moisture: 12.4

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.512 g

Date Analyzed: 06/04/2008 1642

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.3		0.25	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-16 (2-4')

Lab Sample ID: 640-16818-50

Date Sampled: 05/27/2008 1449

Client Matrix: Solid

% Moisture: 13.1

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.599 g

Date Analyzed: 06/04/2008 1645

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.80	I	0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-17 (0-1')

Lab Sample ID: 640-16818-51

Date Sampled: 05/27/2008 1451

Client Matrix: Solid

% Moisture: 5.5

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.563 g

Date Analyzed: 06/04/2008 1658

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		7.9		0.21	0.94

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-17 (1-2')

Lab Sample ID: 640-16818-52

Date Sampled: 05/27/2008 1452

Client Matrix: Solid

% Moisture: 9.3

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.573 g

Date Analyzed: 06/04/2008 1700

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.44	I	0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-17 (2-4')

Lab Sample ID: 640-16818-53

Date Sampled: 05/27/2008 1453

Client Matrix: Solid

% Moisture: 10.5

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.515 g

Date Analyzed: 06/04/2008 1702

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.64	I	0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-19 (0-1')

Lab Sample ID: 640-16818-54

Date Sampled: 05/27/2008 1456

Client Matrix: Solid

% Moisture: 26.2

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.546 g

Date Analyzed: 06/04/2008 1704

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		9.8		0.27	1.2

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-19 (1-2')

Lab Sample ID: 640-16818-55

Date Sampled: 05/27/2008 1457

Client Matrix: Solid

% Moisture: 11.6

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.555 g

Date Analyzed: 06/04/2008 1706

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.53	I	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-19 (2-4')

Lab Sample ID: 640-16818-56

Date Sampled: 05/27/2008 1458

Client Matrix: Solid

% Moisture: 12.2

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.500 g

Date Analyzed: 06/04/2008 1707

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.28	I	0.25	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-20 (0-1')

Lab Sample ID: 640-16818-57

Date Sampled: 05/27/2008 1518

Client Matrix: Solid

% Moisture: 6.0

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.560 g

Date Analyzed: 06/04/2008 1709

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.0		0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-20 (1-2')

Lab Sample ID: 640-16818-58

Date Sampled: 05/27/2008 1519

Client Matrix: Solid

% Moisture: 12.8

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.579 g

Date Analyzed: 06/04/2008 1745

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.52	I	0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-20 (2-4')

Lab Sample ID: 640-16818-59

Date Sampled: 05/27/2008 1520

Client Matrix: Solid

% Moisture: 17.5

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.544 g

Date Analyzed: 06/04/2008 1747

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.1		0.25	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-21 (0-1')

Lab Sample ID: 640-16818-60

Date Sampled: 05/27/2008 1524

Client Matrix: Solid

% Moisture: 24.5

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45958

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45791

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.557 g

Date Analyzed: 06/04/2008 1749

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1220

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		9.4		0.26	1.2

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-21 (1-2')

Lab Sample ID: 640-16818-61

Date Sampled: 05/27/2008 1525

Client Matrix: Solid

% Moisture: 11.3

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45923

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45795

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.596 g

Date Analyzed: 06/03/2008 1636

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.68	I	0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-21 (2-4')

Lab Sample ID: 640-16818-62

Date Sampled: 05/27/2008 1526

Client Matrix: Solid

% Moisture: 11.1

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45923

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45795

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.590 g

Date Analyzed: 06/04/2008 1256

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.68	I	0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: A-22 (0-1')

Lab Sample ID: 640-16818-63

Date Sampled: 05/27/2008 1530

Client Matrix: Solid

% Moisture: 14.8

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45923

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45795

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.599 g

Date Analyzed: 06/04/2008 1258

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.27	I	0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: A-22 (1-2')

Lab Sample ID: 640-16818-64

Date Sampled: 05/27/2008 1531

Client Matrix: Solid

% Moisture: 15.4

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45923

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45795

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.596 g

Date Analyzed: 06/04/2008 1259

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.55	I	0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: A-22 (2-4')

Lab Sample ID: 640-16818-65

Date Sampled: 05/27/2008 1532

Client Matrix: Solid

% Moisture: 14.3

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45923

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45795

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.526 g

Date Analyzed: 06/04/2008 1301

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.8		0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Client Sample ID: AS-DUPE-03

Lab Sample ID: 640-16818-66

Date Sampled: 05/27/2008 0000

Client Matrix: Solid

% Moisture: 32.6

Date Received: 05/28/2008 0830

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45923

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45795

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.589 g

Date Analyzed: 06/04/2008 1302

Final Weight/Volume: 50 mL

Date Prepared: 05/30/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.44	I	0.28	1.3

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

General Chemistry

Client Sample ID: AS-1 (0-1')

Lab Sample ID: 640-16818-1

Client Matrix: Solid

Date Sampled: 05/27/2008 1334

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	86		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Client Sample ID: AS-1 (1-2')

Lab Sample ID: 640-16818-2

Client Matrix: Solid

Date Sampled: 05/27/2008 1336

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Client Sample ID: AS-1 (2-4')

Lab Sample ID: 640-16818-3

Client Matrix: Solid

Date Sampled: 05/27/2008 1338

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	61		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Client Sample ID: AS-2 (0-1')

Lab Sample ID: 640-16818-4

Client Matrix: Solid

Date Sampled: 05/27/2008 1341

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	72		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Client Sample ID: AS-2 (1-2')

Lab Sample ID: 640-16818-5

Client Matrix: Solid

Date Sampled: 05/27/2008 1342

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	99		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

General Chemistry

Client Sample ID: AS-2 (2-4')

Lab Sample ID: 640-16818-6
Client Matrix: Solid

Date Sampled: 05/27/2008 1343
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Client Sample ID: AS-3 (0-1')

Lab Sample ID: 640-16818-7
Client Matrix: Solid

Date Sampled: 05/27/2008 1345
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	71		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Client Sample ID: AS-3 (1-2')

Lab Sample ID: 640-16818-8
Client Matrix: Solid

Date Sampled: 05/27/2008 1346
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Client Sample ID: AS-3 (2-4')

Lab Sample ID: 640-16818-9
Client Matrix: Solid

Date Sampled: 05/27/2008 1347
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	75		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Client Sample ID: AS-4 (0-1')

Lab Sample ID: 640-16818-10
Client Matrix: Solid

Date Sampled: 05/27/2008 1350
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	76		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

General Chemistry

Client Sample ID: AS-4 (1-2')

Lab Sample ID: 640-16818-11
Client Matrix: Solid

Date Sampled: 05/27/2008 1351
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Client Sample ID: AS-4 (2-4')

Lab Sample ID: 640-16818-12
Client Matrix: Solid

Date Sampled: 05/27/2008 1352
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Client Sample ID: AS-5 (0-1')

Lab Sample ID: 640-16818-13
Client Matrix: Solid

Date Sampled: 05/27/2008 1357
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	85		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Client Sample ID: AS-5 (1-2')

Lab Sample ID: 640-16818-14
Client Matrix: Solid

Date Sampled: 05/27/2008 1358
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Client Sample ID: AS-5 (2-4')

Lab Sample ID: 640-16818-15
Client Matrix: Solid

Date Sampled: 05/27/2008 1359
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

General Chemistry

Client Sample ID: AS-6 (0-1')

Lab Sample ID: 640-16818-16
Client Matrix: Solid

Date Sampled: 05/27/2008 1402
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Client Sample ID: AS-6 (1-2')

Lab Sample ID: 640-16818-17
Client Matrix: Solid

Date Sampled: 05/27/2008 1403
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Client Sample ID: AS-6 (2-4')

Lab Sample ID: 640-16818-18
Client Matrix: Solid

Date Sampled: 05/27/2008 1404
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Client Sample ID: AS-7 (0-1')

Lab Sample ID: 640-16818-19
Client Matrix: Solid

Date Sampled: 05/27/2008 1407
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Client Sample ID: AS-7 (1-2')

Lab Sample ID: 640-16818-20
Client Matrix: Solid

Date Sampled: 05/27/2008 1408
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45717 Date Analyzed (Start) 05/29/2008 1200 (End) 05/29/2008 1318							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

General Chemistry

Client Sample ID: AS-7 (2-4')

Lab Sample ID: 640-16818-21
Client Matrix: Solid

Date Sampled: 05/27/2008 1409
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	86		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864 Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200							

Client Sample ID: AS-DUPE-01

Lab Sample ID: 640-16818-22
Client Matrix: Solid

Date Sampled: 05/27/2008 0000
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864 Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200							

Client Sample ID: AS-8 (0-1')

Lab Sample ID: 640-16818-23
Client Matrix: Solid

Date Sampled: 05/27/2008 1412
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864 Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200							

Client Sample ID: AS-8 (1-2')

Lab Sample ID: 640-16818-24
Client Matrix: Solid

Date Sampled: 05/27/2008 1413
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864 Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200							

Client Sample ID: AS-8 (2-4')

Lab Sample ID: 640-16818-25
Client Matrix: Solid

Date Sampled: 05/27/2008 1414
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864 Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

General Chemistry

Client Sample ID: AS-9 (0-1')

Lab Sample ID: 640-16818-26
Client Matrix: Solid

Date Sampled: 05/27/2008 1416
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864 Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200							

Client Sample ID: AS-9 (1-2')

Lab Sample ID: 640-16818-27
Client Matrix: Solid

Date Sampled: 05/27/2008 1417
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864 Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200							

Client Sample ID: AS-9 (2-4')

Lab Sample ID: 640-16818-28
Client Matrix: Solid

Date Sampled: 05/27/2008 1418
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864 Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200							

Client Sample ID: AS-10 (0-1')

Lab Sample ID: 640-16818-29
Client Matrix: Solid

Date Sampled: 05/27/2008 1420
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	83		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864 Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200							

Client Sample ID: AS-10 (1-2')

Lab Sample ID: 640-16818-30
Client Matrix: Solid

Date Sampled: 05/27/2008 1421
Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864 Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

General Chemistry

Client Sample ID: AS-10 (2-4')

Lab Sample ID: 640-16818-31

Client Matrix: Solid

Date Sampled: 05/27/2008 1422

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864 Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200							

Client Sample ID: AS-11 (0-1')

Lab Sample ID: 640-16818-32

Client Matrix: Solid

Date Sampled: 05/27/2008 1425

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864 Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200							

Client Sample ID: AS-11 (1-2')

Lab Sample ID: 640-16818-33

Client Matrix: Solid

Date Sampled: 05/27/2008 1426

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864 Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200							

Client Sample ID: AS-11 (2-4')

Lab Sample ID: 640-16818-34

Client Matrix: Solid

Date Sampled: 05/27/2008 1427

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864 Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200							

Client Sample ID: AS-12 (0-1')

Lab Sample ID: 640-16818-35

Client Matrix: Solid

Date Sampled: 05/27/2008 1430

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	84		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864 Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

General Chemistry

Client Sample ID: AS-12 (1-2')

Lab Sample ID: 640-16818-36

Client Matrix: Solid

Date Sampled: 05/27/2008 1431

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864		Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200					

Client Sample ID: AS-12 (2-4')

Lab Sample ID: 640-16818-37

Client Matrix: Solid

Date Sampled: 05/27/2008 1432

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864		Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200					

Client Sample ID: AS-13 (0-1')

Lab Sample ID: 640-16818-38

Client Matrix: Solid

Date Sampled: 05/27/2008 1434

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	86		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864		Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200					

Client Sample ID: AS-13 (1-2')

Lab Sample ID: 640-16818-39

Client Matrix: Solid

Date Sampled: 05/27/2008 1435

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864		Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200					

Client Sample ID: AS-13 (2-4')

Lab Sample ID: 640-16818-40

Client Matrix: Solid

Date Sampled: 05/27/2008 1436

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45864		Date Analyzed (Start) 05/30/2008 1000 (End) 05/30/2008 1200					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

General Chemistry

Client Sample ID: AS-14 (0-1')

Lab Sample ID: 640-16818-41

Client Matrix: Solid

Date Sampled: 05/27/2008 1438

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865		Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400					

Client Sample ID: AS-14 (1-2')

Lab Sample ID: 640-16818-42

Client Matrix: Solid

Date Sampled: 05/27/2008 1439

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865		Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400					

Client Sample ID: AS-14 (2-4')

Lab Sample ID: 640-16818-43

Client Matrix: Solid

Date Sampled: 05/27/2008 1440

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865		Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400					

Client Sample ID: AS-DUPE-02

Lab Sample ID: 640-16818-44

Client Matrix: Solid

Date Sampled: 05/27/2008 0000

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865		Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400					

Client Sample ID: AS-15 (0-1')

Lab Sample ID: 640-16818-45

Client Matrix: Solid

Date Sampled: 05/27/2008 1442

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865		Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

General Chemistry

Client Sample ID: AS-15 (1-2')

Lab Sample ID: 640-16818-46

Client Matrix: Solid

Date Sampled: 05/27/2008 1443

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	78		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865		Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400					

Client Sample ID: AS-15 (2-4')

Lab Sample ID: 640-16818-47

Client Matrix: Solid

Date Sampled: 05/27/2008 1444

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865		Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400					

Client Sample ID: AS-16 (0-1')

Lab Sample ID: 640-16818-48

Client Matrix: Solid

Date Sampled: 05/27/2008 1447

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865		Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400					

Client Sample ID: AS-16 (1-2')

Lab Sample ID: 640-16818-49

Client Matrix: Solid

Date Sampled: 05/27/2008 1448

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865		Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400					

Client Sample ID: AS-16 (2-4')

Lab Sample ID: 640-16818-50

Client Matrix: Solid

Date Sampled: 05/27/2008 1449

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865		Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

General Chemistry

Client Sample ID: AS-17 (0-1')

Lab Sample ID: 640-16818-51

Client Matrix: Solid

Date Sampled: 05/27/2008 1451

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865		Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400					

Client Sample ID: AS-17 (1-2')

Lab Sample ID: 640-16818-52

Client Matrix: Solid

Date Sampled: 05/27/2008 1452

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865		Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400					

Client Sample ID: AS-17 (2-4')

Lab Sample ID: 640-16818-53

Client Matrix: Solid

Date Sampled: 05/27/2008 1453

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865		Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400					

Client Sample ID: AS-19 (0-1')

Lab Sample ID: 640-16818-54

Client Matrix: Solid

Date Sampled: 05/27/2008 1456

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	74		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865		Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400					

Client Sample ID: AS-19 (1-2')

Lab Sample ID: 640-16818-55

Client Matrix: Solid

Date Sampled: 05/27/2008 1457

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865		Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

General Chemistry

Client Sample ID: AS-19 (2-4')

Lab Sample ID: 640-16818-56

Client Matrix: Solid

Date Sampled: 05/27/2008 1458

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865 Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400							

Client Sample ID: AS-20 (0-1')

Lab Sample ID: 640-16818-57

Client Matrix: Solid

Date Sampled: 05/27/2008 1518

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865 Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400							

Client Sample ID: AS-20 (1-2')

Lab Sample ID: 640-16818-58

Client Matrix: Solid

Date Sampled: 05/27/2008 1519

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865 Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400							

Client Sample ID: AS-20 (2-4')

Lab Sample ID: 640-16818-59

Client Matrix: Solid

Date Sampled: 05/27/2008 1520

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	82		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865 Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400							

Client Sample ID: AS-21 (0-1')

Lab Sample ID: 640-16818-60

Client Matrix: Solid

Date Sampled: 05/27/2008 1524

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	76		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45865 Date Analyzed (Start) 05/30/2008 1200 (End) 05/30/2008 1400							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

General Chemistry

Client Sample ID: AS-21 (1-2')

Lab Sample ID: 640-16818-61

Client Matrix: Solid

Date Sampled: 05/27/2008 1525

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45962		Date Analyzed (Start) 05/29/2008 0856 (End) 05/29/2008 0856					

Client Sample ID: AS-21 (2-4')

Lab Sample ID: 640-16818-62

Client Matrix: Solid

Date Sampled: 05/27/2008 1526

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45962		Date Analyzed (Start) 05/29/2008 0856 (End) 05/29/2008 0856					

Client Sample ID: A-22 (0-1')

Lab Sample ID: 640-16818-63

Client Matrix: Solid

Date Sampled: 05/27/2008 1530

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	85		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45962		Date Analyzed (Start) 05/29/2008 0856 (End) 05/29/2008 0856					

Client Sample ID: A-22 (1-2')

Lab Sample ID: 640-16818-64

Client Matrix: Solid

Date Sampled: 05/27/2008 1531

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	85		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45962		Date Analyzed (Start) 05/29/2008 0856 (End) 05/29/2008 0856					

Client Sample ID: A-22 (2-4')

Lab Sample ID: 640-16818-65

Client Matrix: Solid

Date Sampled: 05/27/2008 1532

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	86		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45962		Date Analyzed (Start) 05/29/2008 0856 (End) 05/29/2008 0856					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

General Chemistry

Client Sample ID: AS-DUPE-03

Lab Sample ID: 640-16818-66

Date Sampled: 05/27/2008 0000

Client Matrix: Solid

Date Received: 05/28/2008 0830

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	67		%	0.00010	0.00010	1.0	PercentMoisture
	Any Batch: 640-45962		Date Analyzed (Start)	05/29/2008 0856	(End)	05/29/2008 0856	

DATA REPORTING QUALIFIERS

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Lab Section	Qualifier	Description
Metals		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

QUALITY CONTROL RESULTS

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Method Blank - Batch: 640-45710

Lab Sample ID: MB 640-45710/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/29/2008 1617
Date Prepared: 05/29/2008 1200

Analysis Batch: 640-45750
Prep Batch: 640-45710
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: MAY08
Initial Weight/Volume: 0.501 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	1.0

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-45710

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-45710/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/29/2008 1625
Date Prepared: 05/29/2008 1200

Analysis Batch: 640-45750
Prep Batch: 640-45710
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: MAY08
Initial Weight/Volume: 0.503 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-45710/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/29/2008 1627
Date Prepared: 05/29/2008 1200

Analysis Batch: 640-45750
Prep Batch: 640-45710
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: MAY08
Initial Weight/Volume: 0.504 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	98	100	80 - 120	2	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 640-45710

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 640-16818-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/29/2008 1633
Date Prepared: 05/29/2008 1200

Analysis Batch: 640-45750
Prep Batch: 640-45710

Instrument ID: ICP Trace
Lab File ID: MAY08
Initial Weight/Volume: 0.538 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16818-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/29/2008 1634
Date Prepared: 05/29/2008 1200

Analysis Batch: 640-45750
Prep Batch: 640-45710

Instrument ID: ICP Trace
Lab File ID: MAY08
Initial Weight/Volume: 0.538 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	93	95	75 - 125	2	20		

Duplicate - Batch: 640-45710

Method: 6010B
Preparation: 3050B

Lab Sample ID: 640-16818-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/29/2008 1631
Date Prepared: 05/29/2008 1200

Analysis Batch: 640-45750
Prep Batch: 640-45710
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: MAY08
Initial Weight/Volume: 0.539 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	4.1	3.92	5	20	

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Method Blank - Batch: 640-45742

Lab Sample ID: MB 640-45742/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/04/2008 1339
Date Prepared: 05/30/2008 1020

Analysis Batch: 640-45948
Prep Batch: 640-45742
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	1.0

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-45742

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-45742/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/04/2008 1340
Date Prepared: 05/30/2008 1020

Analysis Batch: 640-45948
Prep Batch: 640-45742
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.504 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-45742/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/04/2008 1342
Date Prepared: 05/30/2008 1020

Analysis Batch: 640-45948
Prep Batch: 640-45742
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.501 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	97	98	80 - 120	2	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 640-45742

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 640-16818-21
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/04/2008 1355
Date Prepared: 05/30/2008 1020

Analysis Batch: 640-45948
Prep Batch: 640-45742

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.536 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16818-21
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/04/2008 1357
Date Prepared: 05/30/2008 1020

Analysis Batch: 640-45948
Prep Batch: 640-45742

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.536 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	100	98	75 - 125	2	20		

Duplicate - Batch: 640-45742

Method: 6010B
Preparation: 3050B

Lab Sample ID: 640-16818-21
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/04/2008 1347
Date Prepared: 05/30/2008 1020

Analysis Batch: 640-45948
Prep Batch: 640-45742
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.537 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	0.76	I	0.610	22	20	I

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Method Blank - Batch: 640-45791

Lab Sample ID: MB 640-45791/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/04/2008 1539
Date Prepared: 05/30/2008 1220

Analysis Batch: 640-45958
Prep Batch: 640-45791
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.501 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	1.0

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-45791

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-45791/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/04/2008 1548
Date Prepared: 05/30/2008 1220

Analysis Batch: 640-45958
Prep Batch: 640-45791
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.505 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-45791/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/04/2008 1550
Date Prepared: 05/30/2008 1220

Analysis Batch: 640-45958
Prep Batch: 640-45791
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	98	100	80 - 120	2	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 640-45791

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 640-16818-41
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/04/2008 1555
Date Prepared: 05/30/2008 1220

Analysis Batch: 640-45958
Prep Batch: 640-45791

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.559 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16818-41
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/04/2008 1556
Date Prepared: 05/30/2008 1220

Analysis Batch: 640-45958
Prep Batch: 640-45791

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.563 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	97	100	75 - 125	2	20		

Duplicate - Batch: 640-45791

Method: 6010B
Preparation: 3050B

Lab Sample ID: 640-16818-41
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/04/2008 1553
Date Prepared: 05/30/2008 1220

Analysis Batch: 640-45958
Prep Batch: 640-45791
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.567 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	0.25	I	0.545	76	20	I

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Method Blank - Batch: 640-45795

Lab Sample ID: MB 640-45795/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/03/2008 1611
Date Prepared: 05/30/2008 1430

Analysis Batch: 640-45923
Prep Batch: 640-45795
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	1.0

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-45795

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-45795/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/03/2008 1612
Date Prepared: 05/30/2008 1430

Analysis Batch: 640-45923
Prep Batch: 640-45795
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.500 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-45795/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/03/2008 1614
Date Prepared: 05/30/2008 1430

Analysis Batch: 640-45923
Prep Batch: 640-45795
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.504 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	101	103	80 - 120	1	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16818-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 640-45795

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 640-16818-61
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/03/2008 1641
Date Prepared: 05/30/2008 1430

Analysis Batch: 640-45923
Prep Batch: 640-45795

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.599 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16818-61
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/03/2008 1654
Date Prepared: 05/30/2008 1430

Analysis Batch: 640-45923
Prep Batch: 640-45795

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.599 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	101	101	75 - 125	1	20		

Duplicate - Batch: 640-45795

Method: 6010B
Preparation: 3050B

Lab Sample ID: 640-16818-61
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/03/2008 1639
Date Prepared: 05/30/2008 1430

Analysis Batch: 640-45923
Prep Batch: 640-45795
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.599 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	0.68	I	1.27	61	20	

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

TestAmerica Tallahassee

2846 Industrial Plaza Drive
Tallahassee, FL 32301
Phone (850) 878-3994 Fax (850) 878-9504

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information Client Contact: Ms. Alicia Odom Company: MACTEC Engineering and Consulting Inc. Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293 (Tel) Email: akodom@mactec.com Project Name: Rinker Property Site: 		Sampler: <i>Camille</i> Lab PM: Preston, Tim E-Mail: timothy.preston@testamerica.com Carrier Tracking No(s): 640-9300.1 Page: Page 1 of 38 STL Job#: 640-16818																																																																																																																									
Due Date Requested: TAT Requested (days): PO #: APO #: WO #: Project #: 64000919 SSOW #: 		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anion H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: 																																																																																																																									
Sample Identification <table border="1"> <thead> <tr> <th>Sample ID</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=grab)</th> <th>Matrix (W=water, S=solid, O=volatile, ST=Trace, A=Air)</th> <th>6010B - Arsenic</th> <th>8270C - TCL</th> <th>6010B - Arsenic</th> <th>8260B - TCL</th> <th>Special Instructions/Note:</th> </tr> </thead> <tbody> <tr> <td>AS-1 (0-1')</td> <td>5/22/08</td> <td>1334</td> <td>G</td> <td>S</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AS-1 (1-2')</td> <td></td> <td>1336</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AS-1 (2-4')</td> <td></td> <td>1338</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AS-2 (0-1')</td> <td></td> <td>1341</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AS-2 (1-2')</td> <td></td> <td>1342</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AS-2 (2-4')</td> <td></td> <td>1343</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AS-3 (0-1')</td> <td></td> <td>1345</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AS-3 (1-2')</td> <td></td> <td>1346</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AS-3 (2-4')</td> <td></td> <td>1347</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AS-4 (0-1')</td> <td></td> <td>1350</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AS-4 (1-2')</td> <td></td> <td>1351</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=volatile, ST=Trace, A=Air)	6010B - Arsenic	8270C - TCL	6010B - Arsenic	8260B - TCL	Special Instructions/Note:	AS-1 (0-1')	5/22/08	1334	G	S	X					AS-1 (1-2')		1336			X					AS-1 (2-4')		1338			X					AS-2 (0-1')		1341			X					AS-2 (1-2')		1342			X					AS-2 (2-4')		1343			X					AS-3 (0-1')		1345			X					AS-3 (1-2')		1346			X					AS-3 (2-4')		1347			X					AS-4 (0-1')		1350			X					AS-4 (1-2')		1351			X				
Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=volatile, ST=Trace, A=Air)	6010B - Arsenic	8270C - TCL	6010B - Arsenic	8260B - TCL	Special Instructions/Note:																																																																																																																		
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Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)																																																																																																																											
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Chain of Custody Record

Client Information Client Contact: Ms. Alicia Odom Company: MACTEC Engineering and Consulting Inc. Address: 2533 Greer Road Suite 6 City: Tallahassee State/Zip: FL, 32308 Phone: 850-656-1293(Tel) Email: akodom@mactec.com Project Name: Rinker Property Site: 		Lab P/N: Preston, Tim E-Mail: timothy.preston@testamericainc.com		Carrier Tracking No(s): 840-9300.2 Page: Page 2 of 38 STL Job #: 1040-16818		COC No: 840-9300.2 Page: Page 2 of 38	
Analysis Requested Due Date Requested: TAT Requested (days): PO #: APO #: WO #: Project #: 64000819 SSO/W#:				Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: 			
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=volatile, BT=tissue, AS=air)				Special Instructions/Note: 			
AS-4 (2-4) AS-5 (0-1) AS-5 (1-2) AS-5 (2-4) AS-6 (0-1) AS-6 (1-2) AS-6 (2-4) AS-7 (0-1) AS-7 (1-2) AS-7 (2-4) AS- Dup 2-0				5/27/08 1352 1357 1358 1359 1402 1403 1404 1407 1408 1409 -			
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Deliverable Requested: I, II, III, IV, Other (specify)				Special Instructions/QC Requirements:			
Empty Kit Relinquished by: A.V. Wilson Relinquished by: A.V. Wilson Relinquished by:		Date: 5-20-08 Date/Time: 5/20/08 830 Date/Time:		Method of Shipment:		Time: 1345	
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Chain of Custody Record

Client Information Client Contact: Ms. Alicia Odom Phone: (850) 878-3994 Fax (850) 878-9504		Sampler: <i>[Signature]</i> Lab P/N: Preston, Tim E-Mail: timothy.preston@testamerica.com		Carrier Tracking No(s): COC No: 840-8300 3 Page: 3 of 38	
Company: MACTEC Engineering and Consulting Inc Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293(Tel) Email: akodom@mactec.com Project Name: Rinker Property Site:		Analysis Requested Due Date Requested: TAT Requested (days): PO #: APO #: WO #: Project #: SSON#:			
Sample Identification Sample ID: AS-8 (0-1) Sample ID: AS-8 (1-2) Sample ID: AS-8 (2-4) Sample ID: AS-9 (0-1) Sample ID: AS-9 (1-2) Sample ID: AS-9 (2-4) Sample ID: AS-10 (0-1) Sample ID: AS-10 (1-2) Sample ID: AS-10 (2-4) Sample ID: AS-11 (0-1) Sample ID: AS-11 (1-2)		Sample Date: 5/27/08 Sample Time: 1412 Sample Type: G Matrix: S		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Decalhydrate U - Acetone V - MCAA W - pH 4-6 Z - other (specify)	
Special Instructions/Note:		Special Instructions/Note:			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:			
Empty Kit Relinquished by: H.V. Wilson Date: 5/28/08 Time: 1343		Method of Shipment:			
Relinquished by: <i>[Signature]</i> Date/Time: 5/28/08 830 Company:		Relinquished by: <i>[Signature]</i> Date/Time: 5/28/08 0830 Company:			
Relinquished by: <i>[Signature]</i> Date/Time: 5/28/08 Company:		Relinquished by: <i>[Signature]</i> Date/Time: 5/28/08 Company:			
Custody Seals Intact: A Yes A No Custody Seal No.		Cooler Temperature(s) °C and Other Remarks:			

Chain of Custody Record

TestAmerica Tallahassee
2846 Industrial Plaza Drive
Tallahassee, FL 32301
Phone (850) 878-3994 Fax (850) 878-9504

Client Information		Lab PM: Preston, Tim		Carrier Tracking No(s):		COG No: 640-9300.4	
Client Contact: Ms. Alicia Odom		E-Mail: timothy.preston@testamericainc.com		Page: Page 4 of 38		STL Job #: 640-16818	
Company: MACTEC Engineering and Consulting Inc				Analysis Requested			
Address: 2533 Greer Road Suite 6				Preservation Codes:			
City: Tallahassee				A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 F - MeOH R - Na2S2O3 S - H2SO4 G - Anchor H - Ascorbic Acid T - TSP Dodecahydrate U - Acetone J - DI Water V - MCAA W - pH 4-5 L - EDTA Z - other (specify)			
Phone: 850-656-1293(Tel)				Other:			
Email: akodom@macltec.com							
Project #: 64000919							
Site: Rinker Property							
Due Date Requested:							
TAT Requested (days):							
PO #:							
APO #:							
WO #:							
Sample Date				Sample Time			
Sample Type (C=Comp, G=grab)				Matrix (W=water, S=solid, O=volatile, RT=Room, A=Air)			
Sample Identification				Special Instructions/Note:			
AS-11 (2-4')				X			
AS-12 (0-1')				X			
AS-12 (1-2')				X			
AS-12 (2-4')				X			
AS-13 (0-1')				X			
AS-13 (1-2')				X			
AS-13 (2-4')				X			
AS-14 (0-1')				X			
AS-14 (1-2')				X			
AS-14 (2-4')				X			
AS-15 (0-1') JB AS-Dupe-02				X			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/OC Requirements:

Kit Relinquished by: H.V. Walker
 Date/Time: 5/20/08
 Company: _____

Relinquished by: B. Odom
 Date/Time: 5/20/08
 Company: _____

Relinquished by: _____
 Date/Time: _____
 Company: _____

Custody Seal No. _____
 Yes ☐ No ☐

Chain of Custody Record

Client Information Client Contact: Ms. Alicia Odom Company: MACTEC Engineering and Consulting Inc. Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1283(Tel) Email: akodom@mactec.com Project Name: Rinker Property Site:		Lab PI: Preston, Tim E-Mail: timothy.preston@testamericainc.com Carrier Tracking No(s): Page 6 of 38 STL Job #: 640-16818	
Due Date Requested: TAT Requested (days): PO #: APO #: WO #: Project #: 64000919 SSOW #:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Decahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Sample Identification Sample ID: AS-15 (0-1) Sample ID: AS-15 (1-2) Sample ID: AS-15 (2-4) Sample ID: AS-16 (0-1) Sample ID: AS-16 (1-2) Sample ID: AS-16 (2-4) Sample ID: AS-17 (0-1) Sample ID: AS-17 (1-2) Sample ID: AS-17 (2-4) Sample ID: AS-18 19 (0-1) Sample ID: AS-18 19 (1-2)		Sample Date: 5/27/08 Sample Time: 1442 Sample Type (C=comp, G=grab): G Matrix (W=water, B=solid, O=soil, BT=tissue, A=air): S	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/Note:	
Empty Kit Relinquished by: H.V. Wilson Relinquished by: A. Odom Relinquished by:		Date: 5-20-08 Date: 5/28/08 Date:	
Custody Seal Intact: A Yes A No Custody Seal No		Date/Time: 5/28/08 8:30 Date/Time: Date/Time:	

Chain of Custody Record

Client Information Client Contact: Ms. Alicia Odom Company: MACTEC Engineering and Consulting Inc. Address: 2533 Greer Road Suite 6 City: Tallahassee State: FL Zip: 32308 Phone: 850-656-1293 (Tel) Email: akodom@macotec.com Project Name: Rinker Property Site:		Due Date Requested: TAT Requested (days): PO #: APO# WO #: Project #: 64000919 SSOW#:		Lab PIM: Preston, Tim E-Mail: timothy.preston@testamericainc.com		Carrier Tracking No(s): COC No: 640-9300.8 Page: Page 8 of 38 STL Job #: 6410-16818	
Analysis Requested				Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4.5 Z - other (specify)			
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=unknown, A=air)	Special Instructions/Note:	
AS-19 (2-4)		5/27/08	1458	C	S	8260B - TCL 8010B - Arsenic 8270C - TCL 8010B - Arsenic	
AS-20 (0-1)			1518				
AS-20 (1-2)			1519				
AS-20 (2-4)			1520				
AS-21 (0-1)			1524				
AS-21 (1-2)			1525				
AS-21 (2-4)			1526				
AS-22 (0-1)			1530				
AS-22 (1-2)			1531				
AS-22 (2-4)			1532				
AS-Dup 4-03							
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological							
Deliverable Requested: I, II, III, IV, Other (specify)							
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months							
Special Instructions/QC Requirements:							
Empty Kit Relinquished by: <i>AKV unlabel</i> Relinquished by: <i>AKV unlabel</i> Relinquished by: <i>AKV unlabel</i> Relinquished by:		Date: 5-20-08 Date/Time: 5/28/08 830 Date/Time:	Time: 1345 Date/Time: 5/28/08 0830 Date/Time:	Method of Shipment:			
Custody Seal In tact: <i>AKV unlabel</i> Yes ☒ No ☐		Custody Seal No:					

ANALYTICAL REPORT

Job Number: 640-16847-1

Job Description: Rinker Property

For:
MACTEC Engineering and Consulting Inc
2533 Greer Road
Suite 6
Tallahassee, FL 32308
Attention: Ms. Alicia Odom



Tim Preston
Project Manager II
timothy.preston@testamericainc.com
06/11/2008

cc: Mr. Ron White

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report. Measurement uncertainty data, as referenced in Section 20.12 of the TestAmerica Tallahassee Quality Assurance Manual, are available upon request

Florida Department of Health Certification No. E81005

Job Narrative
640-J16847-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

Metals

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
640-16847-1	AS-23 (0-1')				
Arsenic		1.0	1.0	mg/Kg	6010B
Percent Solids		88	0.00010	%	PercentMoisture
640-16847-2	AS-23 (1-2')				
Arsenic		1.0	0.99	mg/Kg	6010B
Percent Solids		86	0.00010	%	PercentMoisture
640-16847-3	AS-23 (2-4')				
Arsenic		2.3	1.0	mg/Kg	6010B
Percent Solids		86	0.00010	%	PercentMoisture
640-16847-4	AS-24 (0-1')				
Arsenic		2.0	1.0	mg/Kg	6010B
Percent Solids		87	0.00010	%	PercentMoisture
640-16847-5	AS-24 (1-2')				
Arsenic		1.0	1.1	mg/Kg	6010B
Percent Solids		89	0.00010	%	PercentMoisture
640-16847-6	AS-24 (2-4')				
Arsenic		1.2	1.0	mg/Kg	6010B
Percent Solids		88	0.00010	%	PercentMoisture
640-16847-7	AS-25 (0-1')				
Arsenic		7.0	1.1	mg/Kg	6010B
Percent Solids		83	0.00010	%	PercentMoisture
640-16847-8	AS-25 (1-2')				
Arsenic		1.4	1.0	mg/Kg	6010B
Percent Solids		88	0.00010	%	PercentMoisture
640-16847-9	AS-25 (2-4')				
Arsenic		1.1	0.96	mg/Kg	6010B
Percent Solids		89	0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16847-10	AS-26 (0-1')					
Arsenic		3.7		1.0	mg/Kg	6010B
Percent Solids		92		0.00010	%	PercentMoisture
640-16847-11	AS-26 (1-2')					
Arsenic		0.80	I	0.95	mg/Kg	6010B
Percent Solids		90		0.00010	%	PercentMoisture
640-16847-12	AS-26 (2-4')					
Arsenic		0.46	I	1.0	mg/Kg	6010B
Percent Solids		87		0.00010	%	PercentMoisture
640-16847-13	AS-27 (0-1')					
Arsenic		1.3		1.1	mg/Kg	6010B
Percent Solids		87		0.00010	%	PercentMoisture
640-16847-14	AS-27 (1-2')					
Arsenic		5.1		1.2	mg/Kg	6010B
Percent Solids		73		0.00010	%	PercentMoisture
640-16847-15	AS-27 (2-4')					
Arsenic		1.6		0.96	mg/Kg	6010B
Percent Solids		87		0.00010	%	PercentMoisture
640-16847-16	AS-28 (0-1')					
Arsenic		1.3		1.0	mg/Kg	6010B
Percent Solids		87		0.00010	%	PercentMoisture
640-16847-17	AS-28 (1-2')					
Arsenic		2.5		0.93	mg/Kg	6010B
Percent Solids		92		0.00010	%	PercentMoisture
640-16847-18	AS-28 (2-4')					
Arsenic		2.4		1.0	mg/Kg	6010B
Percent Solids		85		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
640-16847-19	AS-29 (0-1')				
Arsenic		1.9	1.1	mg/Kg	6010B
Percent Solids		88	0.00010	%	PercentMoisture
640-16847-20	AS-29 (1-2')				
Arsenic		1.8	1.0	mg/Kg	6010B
Percent Solids		84	0.00010	%	PercentMoisture
640-16847-21	AS-29 (2-4')				
Arsenic		2.6	1.2	mg/Kg	6010B
Percent Solids		82	0.00010	%	PercentMoisture
640-16847-22	AS-DUPE-04				
Arsenic		2.2	1.2	mg/Kg	6010B
Percent Solids		81	0.00010	%	PercentMoisture
640-16847-23	AS-30 (0-1')				
Arsenic		1.4	0.88	mg/Kg	6010B
Percent Solids		96	0.00010	%	PercentMoisture
640-16847-24	AS-30 (1-2')				
Arsenic		2.6	1.0	mg/Kg	6010B
Percent Solids		91	0.00010	%	PercentMoisture
640-16847-25	AS-30 (2-4')				
Arsenic		1.0	1.0	mg/Kg	6010B
Percent Solids		87	0.00010	%	PercentMoisture
640-16847-26	AS-31 (0-1')				
Arsenic		2.0	1.1	mg/Kg	6010B
Percent Solids		89	0.00010	%	PercentMoisture
640-16847-27	AS-31 (1-2')				
Arsenic		0.82	1.1	mg/Kg	6010B
Percent Solids		83	0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
640-16847-28	AS-31 (2-4')				
Arsenic		2.4	0.90	mg/Kg	6010B
Percent Solids		98	0.00010	%	PercentMoisture
640-16847-29	AS-32 (0-1')				
Arsenic		0.94	0.90	mg/Kg	6010B
Percent Solids		97	0.00010	%	PercentMoisture
640-16847-30	AS-32 (1-2')				
Arsenic		1.9	0.99	mg/Kg	6010B
Percent Solids		94	0.00010	%	PercentMoisture
640-16847-31	AS-32 (2-4')				
Arsenic		0.35	0.94	mg/Kg	6010B
Percent Solids		89	0.00010	%	PercentMoisture
640-16847-32	AS-33 (0-1')				
Arsenic		8.0	0.92	mg/Kg	6010B
Percent Solids		97	0.00010	%	PercentMoisture
640-16847-33	AS-33 (1-2')				
Arsenic		11	0.95	mg/Kg	6010B
Percent Solids		94	0.00010	%	PercentMoisture
640-16847-34	AS-33 (2-4')				
Arsenic		1.1	1.1	mg/Kg	6010B
Percent Solids		91	0.00010	%	PercentMoisture
640-16847-35	AS-34 (0-1')				
Arsenic		1.9	0.96	mg/Kg	6010B
Percent Solids		97	0.00010	%	PercentMoisture
640-16847-36	AS-34 (1-2')				
Arsenic		2.9	0.94	mg/Kg	6010B
Percent Solids		90	0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16847-37	AS-34 (2-4')					
Arsenic		0.71	I	0.91	mg/Kg	6010B
Percent Solids		96		0.00010	%	PercentMoisture
640-16847-38	AS-35 (0-1')					
Arsenic		2.1		1.0	mg/Kg	6010B
Percent Solids		97		0.00010	%	PercentMoisture
640-16847-39	AS-35 (1-2')					
Arsenic		0.52	I	0.89	mg/Kg	6010B
Percent Solids		97		0.00010	%	PercentMoisture
640-16847-40	AS-35 (2-4')					
Arsenic		1.4		1.0	mg/Kg	6010B
Percent Solids		87		0.00010	%	PercentMoisture
640-16847-41	AS-36 (0-1')					
Arsenic		3.7		0.98	mg/Kg	6010B
Percent Solids		92		0.00010	%	PercentMoisture
640-16847-42	AS-36 (1-2')					
Arsenic		2.7		1.1	mg/Kg	6010B
Percent Solids		88		0.00010	%	PercentMoisture
640-16847-43	AS-DUPE-05					
Arsenic		2.5		1.0	mg/Kg	6010B
Percent Solids		93		0.00010	%	PercentMoisture
640-16847-44	AS-36 (2-4)					
Arsenic		3.4		1.0	mg/Kg	6010B
Percent Solids		86		0.00010	%	PercentMoisture
640-16847-45	AS-37 (0-1')					
Arsenic		1.3		0.93	mg/Kg	6010B
Percent Solids		95		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16847-46	AS-37 (1-2')					
Arsenic		0.36	I	1.0	mg/Kg	6010B
Percent Solids		95		0.00010	%	PercentMoisture
640-16847-47	AS-37 (2-4')					
Arsenic		0.64	I	1.0	mg/Kg	6010B
Percent Solids		90		0.00010	%	PercentMoisture
640-16847-48	AS-38 (0-1')					
Arsenic		1.1		0.98	mg/Kg	6010B
Percent Solids		95		0.00010	%	PercentMoisture
640-16847-49	AS-38 (1-2')					
Arsenic		0.73	I	1.1	mg/Kg	6010B
Percent Solids		89		0.00010	%	PercentMoisture
640-16847-50	AS-38 (2-4')					
Arsenic		1.4		1.1	mg/Kg	6010B
Percent Solids		85		0.00010	%	PercentMoisture
640-16847-51	AS-39 (0-1')					
Arsenic		0.70	I	1.1	mg/Kg	6010B
Percent Solids		91		0.00010	%	PercentMoisture
640-16847-52	AS-39 (1-2')					
Arsenic		1.1		0.95	mg/Kg	6010B
Percent Solids		88		0.00010	%	PercentMoisture
640-16847-53	AS-39 (2-4')					
Arsenic		1.4		1.0	mg/Kg	6010B
Percent Solids		83		0.00010	%	PercentMoisture
640-16847-54	AS-40 (0-1')					
Arsenic		1.3		0.98	mg/Kg	6010B
Percent Solids		94		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16847-55	AS-40 (1-2')					
Arsenic		1.2		1.0	mg/Kg	6010B
Percent Solids		90		0.00010	%	PercentMoisture
640-16847-56	AS-40 (2-4')					
Arsenic		0.83	I	0.98	mg/Kg	6010B
Percent Solids		86		0.00010	%	PercentMoisture
640-16847-57	AS-41 (0-1')					
Arsenic		1.6		0.95	mg/Kg	6010B
Percent Solids		95		0.00010	%	PercentMoisture
640-16847-58	AS-41 (1-2')					
Arsenic		0.55	I	1.1	mg/Kg	6010B
Percent Solids		90		0.00010	%	PercentMoisture
640-16847-59	AS-41 (2-4')					
Arsenic		0.90	I	1.2	mg/Kg	6010B
Percent Solids		84		0.00010	%	PercentMoisture
640-16847-60	AS-42 (0-1')					
Percent Solids		94		0.00010	%	PercentMoisture
640-16847-61	AS-42 (1-2')					
Arsenic		0.59	I	1.0	mg/Kg	6010B
Percent Solids		89		0.00010	%	PercentMoisture
640-16847-62	AS-42 (2-4')					
Percent Solids		87		0.00010	%	PercentMoisture
640-16847-63	AS-43 (0-1')					
Arsenic		6.4		1.0	mg/Kg	6010B
Percent Solids		91		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
640-16847-64	AS-DUPE-06				
Arsenic		5.0	1.1	mg/Kg	6010B
Percent Solids		89	0.00010	%	PercentMoisture
640-16847-65	AS-43 (1-2')				
Arsenic		1.8	0.90	mg/Kg	6010B
Percent Solids		95	0.00010	%	PercentMoisture
640-16847-66	AS-43 (2-4')				
Arsenic		1.6	1.1	mg/Kg	6010B
Percent Solids		87	0.00010	%	PercentMoisture
640-16847-67	AS-44 (0-1')				
Arsenic		1.4	0.96	mg/Kg	6010B
Percent Solids		92	0.00010	%	PercentMoisture
640-16847-68	AS-44 (1-2')				
Arsenic		4.4	1.0	mg/Kg	6010B
Percent Solids		94	0.00010	%	PercentMoisture
640-16847-69	AS-44 (2-4')				
Arsenic		2.3	0.97	mg/Kg	6010B
Percent Solids		90	0.00010	%	PercentMoisture
640-16847-70	AS-45 (0-1')				
Arsenic		1.3	0.90	mg/Kg	6010B
Percent Solids		96	0.00010	%	PercentMoisture
640-16847-71	AS-45 (1-2')				
Arsenic		2.5	0.93	mg/Kg	6010B
Percent Solids		95	0.00010	%	PercentMoisture
640-16847-72	AS-45 (2-4')				
Arsenic		2.0	1.0	mg/Kg	6010B
Percent Solids		85	0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16847-73	AS-46 (0-1')					
Arsenic		0.64	I	0.87	mg/Kg	6010B
Percent Solids		97		0.00010	%	PercentMoisture
640-16847-74	AS-46 (1-2')					
Arsenic		0.57	I	0.92	mg/Kg	6010B
Percent Solids		90		0.00010	%	PercentMoisture
640-16847-75	AS-46 (2-4')					
Arsenic		0.73	I	1.0	mg/Kg	6010B
Percent Solids		84		0.00010	%	PercentMoisture
640-16847-76	AS-47 (0-1')					
Arsenic		1.7		0.89	mg/Kg	6010B
Percent Solids		94		0.00010	%	PercentMoisture
640-16847-77	AS-47 (1-2')					
Percent Solids		96		0.00010	%	PercentMoisture
640-16847-78	AS-47 (2-4')					
Arsenic		0.57	I	0.97	mg/Kg	6010B
Percent Solids		93		0.00010	%	PercentMoisture
640-16847-79	AS-48 (0-1')					
Arsenic		1.2		1.0	mg/Kg	6010B
Percent Solids		88		0.00010	%	PercentMoisture
640-16847-80	AS-48 (1-2')					
Arsenic		3.1		0.91	mg/Kg	6010B
Percent Solids		93		0.00010	%	PercentMoisture
640-16847-81	AS-48 (2-4')					
Arsenic		7.2		0.98	mg/Kg	6010B
Percent Solids		87		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16847-82	AS-49 (0-1')					
Arsenic		0.54	I	0.99	mg/Kg	6010B
Percent Solids		95		0.00010	%	PercentMoisture
640-16847-83	AS-49 (1-2')					
Arsenic		0.85	I	1.1	mg/Kg	6010B
Percent Solids		92		0.00010	%	PercentMoisture
640-16847-84	AS-49 (2-4')					
Percent Solids		88		0.00010	%	PercentMoisture
640-16847-85	AS-50 (0-1')					
Arsenic		0.84	I	0.94	mg/Kg	6010B
Percent Solids		92		0.00010	%	PercentMoisture
640-16847-86	AS-DUPE-07					
Arsenic		1.4		1.1	mg/Kg	6010B
Percent Solids		93		0.00010	%	PercentMoisture
640-16847-87	AS-50 (1-2')					
Percent Solids		89		0.00010	%	PercentMoisture
640-16847-88	AS-50 (2-4')					
Arsenic		2.3		1.1	mg/Kg	6010B
Percent Solids		80		0.00010	%	PercentMoisture
640-16847-89	AS-51 (0-1')					
Arsenic		1.4		0.98	mg/Kg	6010B
Percent Solids		93		0.00010	%	PercentMoisture
640-16847-90	AS-51 (1-2')					
Arsenic		0.49	I	1.2	mg/Kg	6010B
Percent Solids		84		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16847-91 Percent Solids	AS-51 (2-4')	79		0.00010	%	PercentMoisture
640-16847-92 Arsenic Percent Solids	AS-52 (0-1')	1.1 87		1.0 0.00010	mg/Kg %	6010B PercentMoisture
640-16847-93 Arsenic Percent Solids	AS-52 (1-2')	0.21 95	I	0.93 0.00010	mg/Kg %	6010B PercentMoisture
640-16847-94 Arsenic Percent Solids	AS-52 (2-4')	0.53 87	I	0.99 0.00010	mg/Kg %	6010B PercentMoisture
640-16847-95 Arsenic Percent Solids	AS-53 (0-1')	3.1 86		1.0 0.00010	mg/Kg %	6010B PercentMoisture
640-16847-96 Arsenic Percent Solids	AS-53 (1-2')	0.36 90	I	0.99 0.00010	mg/Kg %	6010B PercentMoisture
640-16847-97 Arsenic Percent Solids	AS-53 (2-4')	0.30 87	I	0.97 0.00010	mg/Kg %	6010B PercentMoisture
640-16847-98 Arsenic Percent Solids	AS-54 (0-1')	0.74 95	I	0.90 0.00010	mg/Kg %	6010B PercentMoisture
640-16847-99 Arsenic Percent Solids	AS-54 (1-2')	0.33 92	I	0.93 0.00010	mg/Kg %	6010B PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16847-100	AS-54 (2-4')					
Arsenic		0.55	I	1.0	mg/Kg	6010B
Percent Solids		87		0.00010	%	PercentMoisture
640-16847-101	AS-55 (0-1')					
Arsenic		2.3		1.1	mg/Kg	6010B
Percent Solids		89		0.00010	%	PercentMoisture
640-16847-102	AS-55 (1-2')					
Arsenic		2.0		0.98	mg/Kg	6010B
Percent Solids		91		0.00010	%	PercentMoisture
640-16847-103	AS-55 (2-4')					
Arsenic		0.98	I	1.0	mg/Kg	6010B
Percent Solids		90		0.00010	%	PercentMoisture
640-16847-104	AS-56 (0-1')					
Arsenic		2.6		1.1	mg/Kg	6010B
Percent Solids		89		0.00010	%	PercentMoisture
640-16847-105	AS-56 (1-2')					
Percent Solids		95		0.00010	%	PercentMoisture
640-16847-106	AS-56 (2-4')					
Percent Solids		90		0.00010	%	PercentMoisture
640-16847-107	AS-57 (0-1')					
Arsenic		0.60	I	0.91	mg/Kg	6010B
Percent Solids		95		0.00010	%	PercentMoisture
640-16847-108	AS-57 (1-2')					
Arsenic		0.68	I	0.94	mg/Kg	6010B
Percent Solids		93		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16847-109	AS-DUPE-08					
Arsenic		0.39	I	1.0	mg/Kg	6010B
Percent Solids		91		0.00010	%	PercentMoisture
640-16847-110	AS-57 (2-4')					
Arsenic		0.77	I	1.1	mg/Kg	6010B
Percent Solids		88		0.00010	%	PercentMoisture
640-16847-111	AS-58 (0-1')					
Arsenic		0.33	I	1.0	mg/Kg	6010B
Percent Solids		95		0.00010	%	PercentMoisture
640-16847-112	AS-58 (1-2')					
Percent Solids		96		0.00010	%	PercentMoisture
640-16847-113	AS-58 (2-4')					
Arsenic		0.42	I	1.0	mg/Kg	6010B
Percent Solids		84		0.00010	%	PercentMoisture
640-16847-114	AS-59 (0-1')					
Arsenic		1.3		0.97	mg/Kg	6010B
Percent Solids		91		0.00010	%	PercentMoisture
640-16847-115	AS-59 (1-2')					
Percent Solids		95		0.00010	%	PercentMoisture
640-16847-116	AS-59 (2-4')					
Arsenic		0.43	I	0.95	mg/Kg	6010B
Percent Solids		88		0.00010	%	PercentMoisture
640-16847-117	AS-60 (0-1')					
Arsenic		0.57	I	0.97	mg/Kg	6010B
Percent Solids		97		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16847-118 Percent Solids	AS-60 (1-2')	97		0.00010	%	PercentMoisture
640-16847-119 Percent Solids	AS-60 (2-4')	84		0.00010	%	PercentMoisture
640-16847-120 Percent Solids	AS-61 (0-1')	95		0.00010	%	PercentMoisture
640-16847-121 Arsenic Percent Solids	AS-61 (1-2')	0.75 83	I	1.0 0.00010	mg/Kg %	6010B PercentMoisture
640-16847-122 Arsenic Percent Solids	AS-61 (2-4')	0.64 74	I	1.2 0.00010	mg/Kg %	6010B PercentMoisture
640-16847-123 Arsenic Percent Solids	AS-62 (0-1')	1.3 87		1.1 0.00010	mg/Kg %	6010B PercentMoisture
640-16847-124 Percent Solids	AS-62 (1-2')	96		0.00010	%	PercentMoisture
640-16847-125 Arsenic Percent Solids	AS-62 (2-4')	0.33 90	I	0.97 0.00010	mg/Kg %	6010B PercentMoisture
640-16847-126 Arsenic Percent Solids	AS-63 (0-1')	1.3 93		1.0 0.00010	mg/Kg %	6010B PercentMoisture
640-16847-127 Percent Solids	AS-63 (1-2')	93		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16847-128	AS-63 (2-4')					
Arsenic		0.84	I	1.1	mg/Kg	6010B
Percent Solids		84		0.00010	%	PercentMoisture
640-16847-129	AS-64 (0-1')					
Arsenic		2.3		1.1	mg/Kg	6010B
Percent Solids		89		0.00010	%	PercentMoisture
640-16847-130	AS-64 (1-2')					
Arsenic		2.2		0.99	mg/Kg	6010B
Percent Solids		93		0.00010	%	PercentMoisture
640-16847-131	AS-DUPE-09					
Arsenic		2.0		0.90	mg/Kg	6010B
Percent Solids		93		0.00010	%	PercentMoisture
640-16847-132	AS-64 (2-4')					
Arsenic		0.55	I	1.1	mg/Kg	6010B
Percent Solids		85		0.00010	%	PercentMoisture
640-16847-133	AS-65 (0-1')					
Arsenic		0.56	I	0.99	mg/Kg	6010B
Percent Solids		96		0.00010	%	PercentMoisture
640-16847-134	AS-65 (1-2')					
Arsenic		4.9		1.0	mg/Kg	6010B
Percent Solids		87		0.00010	%	PercentMoisture
640-16847-135	AS-65 (2-4')					
Arsenic		2.4		1.1	mg/Kg	6010B
Percent Solids		82		0.00010	%	PercentMoisture
640-16847-136	AS-66 (0-1')					
Arsenic		0.22	I	0.88	mg/Kg	6010B
Percent Solids		96		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
640-16847-137	AS-66 (1-2')				
Arsenic		1.2	0.97	mg/Kg	6010B
Percent Solids		92	0.00010	%	PercentMoisture
640-16847-138	AS-66 (2-4')				
Arsenic		0.52 I	1.0	mg/Kg	6010B
Percent Solids		84	0.00010	%	PercentMoisture
640-16847-139	AS-67 (0-1')				
Arsenic		4.4	0.97	mg/Kg	6010B
Percent Solids		91	0.00010	%	PercentMoisture
640-16847-140	AS-67 (1-2')				
Arsenic		12	1.1	mg/Kg	6010B
Percent Solids		93	0.00010	%	PercentMoisture
640-16847-141	AS-67 (2-4')				
Arsenic		3.9	0.95	mg/Kg	6010B
Percent Solids		90	0.00010	%	PercentMoisture
640-16847-142	AS-68 (0-1')				
Arsenic		0.83 I	1.1	mg/Kg	6010B
Percent Solids		88	0.00010	%	PercentMoisture
640-16847-143	AS-68 (1-2')				
Arsenic		0.45 I	1.0	mg/Kg	6010B
Percent Solids		85	0.00010	%	PercentMoisture
640-16847-144	AS-68 (2-4')				
Arsenic		1.7	1.1	mg/Kg	6010B
Percent Solids		81	0.00010	%	PercentMoisture
640-16847-145	AS-69 (0-1')				
Arsenic		1.9	0.98	mg/Kg	6010B
Percent Solids		92	0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16847-146	AS-69 (1-2')					
Arsenic		0.60	I	1.1	mg/Kg	6010B
Percent Solids		90		0.00010	%	PercentMoisture
640-16847-147	AS-69 (2-4')					
Arsenic		2.2		1.1	mg/Kg	6010B
Percent Solids		78		0.00010	%	PercentMoisture
640-16847-148	AS-70 (0-1')					
Arsenic		3.6		1.1	mg/Kg	6010B
Percent Solids		85		0.00010	%	PercentMoisture
640-16847-149	AS-70 (1-2')					
Arsenic		0.84	I	0.98	mg/Kg	6010B
Percent Solids		88		0.00010	%	PercentMoisture
640-16847-150	AS-70 (2-4')					
Arsenic		0.55	I	1.1	mg/Kg	6010B
Percent Solids		84		0.00010	%	PercentMoisture
640-16847-151	AS-71 (0-1')					
Arsenic		1.4		0.91	mg/Kg	6010B
Percent Solids		92		0.00010	%	PercentMoisture
640-16847-152	AS-DUPE-10					
Arsenic		0.67	I	0.94	mg/Kg	6010B
Percent Solids		91		0.00010	%	PercentMoisture
640-16847-153	AS-71 (1-2')					
Arsenic		0.64	I	0.90	mg/Kg	6010B
Percent Solids		94		0.00010	%	PercentMoisture
640-16847-154	AS-71 (2-4')					
Percent Solids		89		0.00010	%	PercentMoisture

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16847-155	AS-72 (0-1')					
Arsenic		0.24	I	0.91	mg/Kg	6010B
Percent Solids		99		0.00010	%	PercentMoisture
640-16847-156	AS-72 (1-2')					
Arsenic		0.27	I	0.94	mg/Kg	6010B
Percent Solids		91		0.00010	%	PercentMoisture
640-16847-157	AS-72 (2-4')					
Arsenic		0.53	I	1.2	mg/Kg	6010B
Percent Solids		80		0.00010	%	PercentMoisture
640-16847-158	AS-73 (0-1')					
Arsenic		1.3		0.93	mg/Kg	6010B
Percent Solids		97		0.00010	%	PercentMoisture
640-16847-159	AS-73 (1-2')					
Arsenic		0.59	I	0.95	mg/Kg	6010B
Percent Solids		96		0.00010	%	PercentMoisture
640-16847-160	AS-73 (2-4')					
Arsenic		0.34	I	0.98	mg/Kg	6010B
Percent Solids		95		0.00010	%	PercentMoisture
640-16847-161	AS-74 (0-1')					
Arsenic		0.95	I	1.0	mg/Kg	6010B
Percent Solids		94		0.00010	%	PercentMoisture
640-16847-162	AS-74 (1-2')					
Arsenic		0.95	I	1.0	mg/Kg	6010B
Percent Solids		86		0.00010	%	PercentMoisture
640-16847-163	AS-74 (2-4')					
Arsenic		0.53	I	1.1	mg/Kg	6010B
Percent Solids		84		0.00010	%	PercentMoisture

METHOD SUMMARY

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL TAL	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	TAL TAL		SW846 3050B

Lab References:

TAL TAL = TestAmerica Tallahassee

Method References:

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

SAMPLE SUMMARY

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
640-16847-1	AS-23 (0-1')	Solid	05/27/2008 1535	05/29/2008 1153
640-16847-2	AS-23 (1-2')	Solid	05/27/2008 1536	05/29/2008 1153
640-16847-3	AS-23 (2-4')	Solid	05/27/2008 1537	05/29/2008 1153
640-16847-4	AS-24 (0-1')	Solid	05/27/2008 1540	05/29/2008 1153
640-16847-5	AS-24 (1-2')	Solid	05/27/2008 1541	05/29/2008 1153
640-16847-6	AS-24 (2-4')	Solid	05/27/2008 1542	05/29/2008 1153
640-16847-7	AS-25 (0-1')	Solid	05/27/2008 1544	05/29/2008 1153
640-16847-8	AS-25 (1-2')	Solid	05/27/2008 1545	05/29/2008 1153
640-16847-9	AS-25 (2-4')	Solid	05/27/2008 1546	05/29/2008 1153
640-16847-10	AS-26 (0-1')	Solid	05/27/2008 1550	05/29/2008 1153
640-16847-11	AS-26 (1-2')	Solid	05/27/2008 1551	05/29/2008 1153
640-16847-12	AS-26 (2-4')	Solid	05/27/2008 1552	05/29/2008 1153
640-16847-13	AS-27 (0-1')	Solid	05/27/2008 1555	05/29/2008 1153
640-16847-14	AS-27 (1-2')	Solid	05/27/2008 1556	05/29/2008 1153
640-16847-15	AS-27 (2-4')	Solid	05/27/2008 1557	05/29/2008 1153
640-16847-16	AS-28 (0-1')	Solid	05/27/2008 1610	05/29/2008 1153
640-16847-17	AS-28 (1-2')	Solid	05/27/2008 1611	05/29/2008 1153
640-16847-18	AS-28 (2-4')	Solid	05/27/2008 1612	05/29/2008 1153
640-16847-19	AS-29 (0-1')	Solid	05/27/2008 1620	05/29/2008 1153
640-16847-20	AS-29 (1-2')	Solid	05/27/2008 1621	05/29/2008 1153
640-16847-21	AS-29 (2-4')	Solid	05/27/2008 1622	05/29/2008 1153
640-16847-22	AS-DUPE-04	Solid	05/27/2008 0000	05/29/2008 1153
640-16847-23	AS-30 (0-1')	Solid	05/27/2008 1625	05/29/2008 1153
640-16847-24	AS-30 (1-2')	Solid	05/27/2008 1626	05/29/2008 1153
640-16847-25	AS-30 (2-4')	Solid	05/27/2008 1627	05/29/2008 1153
640-16847-26	AS-31 (0-1')	Solid	05/27/2008 1632	05/29/2008 1153
640-16847-27	AS-31 (1-2')	Solid	05/27/2008 1633	05/29/2008 1153
640-16847-28	AS-31 (2-4')	Solid	05/27/2008 1634	05/29/2008 1153
640-16847-29	AS-32 (0-1')	Solid	05/27/2008 1645	05/29/2008 1153
640-16847-30	AS-32 (1-2')	Solid	05/27/2008 1646	05/29/2008 1153
640-16847-31	AS-32 (2-4')	Solid	05/27/2008 1647	05/29/2008 1153
640-16847-32	AS-33 (0-1')	Solid	05/27/2008 1703	05/29/2008 1153
640-16847-33	AS-33 (1-2')	Solid	05/27/2008 1704	05/29/2008 1153
640-16847-34	AS-33 (2-4')	Solid	05/27/2008 1705	05/29/2008 1153
640-16847-35	AS-34 (0-1')	Solid	05/28/2008 0815	05/29/2008 1153
640-16847-36	AS-34 (1-2')	Solid	05/28/2008 0816	05/29/2008 1153
640-16847-37	AS-34 (2-4')	Solid	05/28/2008 0817	05/29/2008 1153
640-16847-38	AS-35 (0-1')	Solid	05/28/2008 0824	05/29/2008 1153
640-16847-39	AS-35 (1-2')	Solid	05/28/2008 0825	05/29/2008 1153
640-16847-40	AS-35 (2-4')	Solid	05/28/2008 0826	05/29/2008 1153
640-16847-41	AS-36 (0-1')	Solid	05/28/2008 0830	05/29/2008 1153
640-16847-42	AS-36 (1-2')	Solid	05/28/2008 0931	05/29/2008 1153
640-16847-43	AS-DUPE-05	Solid	05/28/2008 0000	05/29/2008 1153
640-16847-44	AS-36 (2-4)	Solid	05/28/2008 0832	05/29/2008 1153
640-16847-45	AS-37 (0-1')	Solid	05/28/2008 0838	05/29/2008 1153
640-16847-46	AS-37 (1-2')	Solid	05/28/2008 0839	05/29/2008 1153

SAMPLE SUMMARY

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
640-16847-47	AS-37 (2-4')	Solid	05/28/2008 0840	05/29/2008 1153
640-16847-48	AS-38 (0-1')	Solid	05/28/2008 0848	05/29/2008 1153
640-16847-49	AS-38 (1-2')	Solid	05/28/2008 0849	05/29/2008 1153
640-16847-50	AS-38 (2-4')	Solid	05/28/2008 0850	05/29/2008 1153
640-16847-51	AS-39 (0-1')	Solid	05/28/2008 0854	05/29/2008 1153
640-16847-52	AS-39 (1-2')	Solid	05/28/2008 0855	05/29/2008 1153
640-16847-53	AS-39 (2-4')	Solid	05/28/2008 0856	05/29/2008 1153
640-16847-54	AS-40 (0-1')	Solid	05/28/2008 0902	05/29/2008 1153
640-16847-55	AS-40 (1-2')	Solid	05/28/2008 0901	05/29/2008 1153
640-16847-56	AS-40 (2-4')	Solid	05/28/2008 0900	05/29/2008 1153
640-16847-57	AS-41 (0-1')	Solid	05/28/2008 0925	05/29/2008 1153
640-16847-58	AS-41 (1-2')	Solid	05/28/2008 0926	05/29/2008 1153
640-16847-59	AS-41 (2-4')	Solid	05/28/2008 0927	05/29/2008 1153
640-16847-60	AS-42 (0-1')	Solid	05/28/2008 0935	05/29/2008 1153
640-16847-61	AS-42 (1-2')	Solid	05/28/2008 0936	05/29/2008 1153
640-16847-62	AS-42 (2-4')	Solid	05/28/2008 0937	05/29/2008 1153
640-16847-63	AS-43 (0-1')	Solid	05/28/2008 0940	05/29/2008 1153
640-16847-64	AS-DUPE-06	Solid	05/28/2008 0000	05/29/2008 1153
640-16847-65	AS-43 (1-2')	Solid	05/28/2008 0941	05/29/2008 1153
640-16847-66	AS-43 (2-4)	Solid	05/28/2008 0942	05/29/2008 1153
640-16847-67	AS-44 (0-1')	Solid	05/28/2008 0944	05/29/2008 1153
640-16847-68	AS-44 (1-2')	Solid	05/28/2008 0945	05/29/2008 1153
640-16847-69	AS-44 (2-4')	Solid	05/28/2008 0946	05/29/2008 1153
640-16847-70	AS-45 (0-1')	Solid	05/28/2008 0950	05/29/2008 1153
640-16847-71	AS-45 (1-2)	Solid	05/28/2008 0951	05/29/2008 1153
640-16847-72	AS-45 (2-4')	Solid	05/28/2008 0952	05/29/2008 1153
640-16847-73	AS-46 (0-1')	Solid	05/28/2008 0953	05/29/2008 1153
640-16847-74	AS-46 (1-2')	Solid	05/28/2008 0954	05/29/2008 1153
640-16847-75	AS-46 (2-4')	Solid	05/28/2008 0955	05/29/2008 1153
640-16847-76	AS-47 (0-1')	Solid	05/28/2008 0956	05/29/2008 1153
640-16847-77	AS-47 (1-2')	Solid	05/28/2008 0957	05/29/2008 1153
640-16847-78	AS-47 (2-4')	Solid	05/28/2008 0958	05/29/2008 1153
640-16847-79	AS-48 (0-1')	Solid	05/28/2008 1000	05/29/2008 1153
640-16847-80	AS-48 (1-2')	Solid	05/28/2008 1001	05/29/2008 1153
640-16847-81	AS-48 (2-4')	Solid	05/28/2008 1002	05/29/2008 1153
640-16847-82	AS-49 (0-1')	Solid	05/28/2008 1016	05/29/2008 1153
640-16847-83	AS-49 (1-2')	Solid	05/28/2008 1017	05/29/2008 1153
640-16847-84	AS-49 (2-4')	Solid	05/28/2008 1018	05/29/2008 1153
640-16847-85	AS-50 (0-1')	Solid	05/28/2008 1020	05/29/2008 1153
640-16847-86	AS-DUPE-07	Solid	05/28/2008 0000	05/29/2008 1153
640-16847-87	AS-50 (1-2')	Solid	05/28/2008 1021	05/29/2008 1153
640-16847-88	AS-50 (2-4')	Solid	05/28/2008 1022	05/29/2008 1153
640-16847-89	AS-51 (0-1')	Solid	05/28/2008 1024	05/29/2008 1153
640-16847-90	AS-51 (1-2')	Solid	05/28/2008 1025	05/29/2008 1153
640-16847-91	AS-51 (2-4')	Solid	05/28/2008 1026	05/29/2008 1153
640-16847-92	AS-52 (0-1')	Solid	05/28/2008 1028	05/29/2008 1153

SAMPLE SUMMARY

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
640-16847-93	AS-52 (1-2')	Solid	05/28/2008 1029	05/29/2008 1153
640-16847-94	AS-52 (2-4')	Solid	05/28/2008 1030	05/29/2008 1153
640-16847-95	AS-53 (0-1')	Solid	05/28/2008 1032	05/29/2008 1153
640-16847-96	AS-53 (1-2')	Solid	05/28/2008 1033	05/29/2008 1153
640-16847-97	AS-53 (2-4')	Solid	05/28/2008 1034	05/29/2008 1153
640-16847-98	AS-54 (0-1')	Solid	05/28/2008 1036	05/29/2008 1153
640-16847-99	AS-54 (1-2')	Solid	05/28/2008 1037	05/29/2008 1153
640-16847-100	AS-54 (2-4')	Solid	05/28/2008 1038	05/29/2008 1153
640-16847-101	AS-55 (0-1')	Solid	05/28/2008 1040	05/29/2008 1153
640-16847-102	AS-55 (1-2')	Solid	05/28/2008 1041	05/29/2008 1153
640-16847-103	AS-55 (2-4')	Solid	05/28/2008 1042	05/29/2008 1153
640-16847-104	AS-56 (0-1')	Solid	05/28/2008 1102	05/29/2008 1153
640-16847-105	AS-56 (1-2')	Solid	05/28/2008 1103	05/29/2008 1153
640-16847-106	AS-56 (2-4')	Solid	05/28/2008 1104	05/29/2008 1153
640-16847-107	AS-57 (0-1')	Solid	05/28/2008 1105	05/29/2008 1153
640-16847-108	AS-57 (1-2')	Solid	05/28/2008 1106	05/29/2008 1153
640-16847-109	AS-DUPE-08	Solid	05/28/2008 0000	05/29/2008 1153
640-16847-110	AS-57 (2-4')	Solid	05/28/2008 1107	05/29/2008 1153
640-16847-111	AS-58 (0-1')	Solid	05/28/2008 1108	05/29/2008 1153
640-16847-112	AS-58 (1-2')	Solid	05/28/2008 1109	05/29/2008 1153
640-16847-113	AS-58 (2-4')	Solid	05/28/2008 1110	05/29/2008 1153
640-16847-114	AS-59 (0-1')	Solid	05/28/2008 1112	05/29/2008 1153
640-16847-115	AS-59 (1-2')	Solid	05/28/2008 1113	05/29/2008 1153
640-16847-116	AS-59 (2-4')	Solid	05/28/2008 1114	05/29/2008 1153
640-16847-117	AS-60 (0-1')	Solid	05/28/2008 1115	05/29/2008 1153
640-16847-118	AS-60 (1-2')	Solid	05/28/2008 1116	05/29/2008 1153
640-16847-119	AS-60 (2-4')	Solid	05/28/2008 1117	05/29/2008 1153
640-16847-120	AS-61 (0-1')	Solid	05/28/2008 1118	05/29/2008 1153
640-16847-121	AS-61 (1-2')	Solid	05/28/2008 1119	05/29/2008 1153
640-16847-122	AS-61 (2-4')	Solid	05/28/2008 1120	05/29/2008 1153
640-16847-123	AS-62 (0-1')	Solid	05/28/2008 1122	05/29/2008 1153
640-16847-124	AS-62 (1-2')	Solid	05/28/2008 1123	05/29/2008 1153
640-16847-125	AS-62 (2-4')	Solid	05/28/2008 1124	05/29/2008 1153
640-16847-126	AS-63 (0-1')	Solid	05/28/2008 1130	05/29/2008 1153
640-16847-127	AS-63 (1-2')	Solid	05/28/2008 1131	05/29/2008 1153
640-16847-128	AS-63 (2-4')	Solid	05/28/2008 1132	05/29/2008 1153
640-16847-129	AS-64 (0-1')	Solid	05/28/2008 1302	05/29/2008 1153
640-16847-130	AS-64 (1-2')	Solid	05/28/2008 1303	05/29/2008 1153
640-16847-131	AS-DUPE-09	Solid	05/28/2008 0000	05/29/2008 1153
640-16847-132	AS-64 (2-4')	Solid	05/28/2008 1304	05/29/2008 1153
640-16847-133	AS-65 (0-1')	Solid	05/28/2008 1306	05/29/2008 1153
640-16847-134	AS-65 (1-2')	Solid	05/28/2008 1307	05/29/2008 1153
640-16847-135	AS-65 (2-4')	Solid	05/28/2008 1308	05/29/2008 1153
640-16847-136	AS-66 (0-1')	Solid	05/28/2008 1310	05/29/2008 1153
640-16847-137	AS-66 (1-2')	Solid	05/28/2008 1311	05/29/2008 1153
640-16847-138	AS-66 (2-4')	Solid	05/28/2008 1312	05/29/2008 1153

SAMPLE SUMMARY

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
640-16847-139	AS-67 (0-1')	Solid	05/28/2008 1314	05/29/2008 1153
640-16847-140	AS-67 (1-2')	Solid	05/28/2008 1315	05/29/2008 1153
640-16847-141	AS-67 (2-4')	Solid	05/28/2008 1316	05/29/2008 1153
640-16847-142	AS-68 (0-1')	Solid	05/28/2008 1318	05/29/2008 1153
640-16847-143	AS-68 (1-2')	Solid	05/28/2008 1319	05/29/2008 1153
640-16847-144	AS-68 (2-4')	Solid	05/28/2008 1320	05/29/2008 1153
640-16847-145	AS-69 (0-1')	Solid	05/28/2008 1322	05/29/2008 1153
640-16847-146	AS-69 (1-2')	Solid	05/28/2008 1323	05/29/2008 1153
640-16847-147	AS-69 (2-4')	Solid	05/28/2008 1324	05/29/2008 1153
640-16847-148	AS-70 (0-1')	Solid	05/28/2008 1326	05/29/2008 1153
640-16847-149	AS-70 (1-2')	Solid	05/28/2008 1327	05/29/2008 1153
640-16847-150	AS-70 (2-4')	Solid	05/28/2008 1328	05/29/2008 1153
640-16847-151	AS-71 (0-1')	Solid	05/28/2008 1330	05/29/2008 1153
640-16847-152	AS-DUPE-10	Solid	05/28/2008 0000	05/29/2008 1153
640-16847-153	AS-71 (1-2')	Solid	05/28/2008 1331	05/29/2008 1153
640-16847-154	AS-71 (2-4')	Solid	05/28/2008 1332	05/29/2008 1153
640-16847-155	AS-72 (0-1')	Solid	05/28/2008 1334	05/29/2008 1153
640-16847-156	AS-72 (1-2')	Solid	05/28/2008 1335	05/29/2008 1153
640-16847-157	AS-72 (2-4')	Solid	05/28/2008 1336	05/29/2008 1153
640-16847-158	AS-73 (0-1')	Solid	05/28/2008 1338	05/29/2008 1153
640-16847-159	AS-73 (1-2')	Solid	05/28/2008 1339	05/29/2008 1153
640-16847-160	AS-73 (2-4')	Solid	05/28/2008 1340	05/29/2008 1153
640-16847-161	AS-74 (0-1')	Solid	05/28/2008 1342	05/29/2008 1153
640-16847-162	AS-74 (1-2')	Solid	05/28/2008 1343	05/29/2008 1153
640-16847-163	AS-74 (2-4')	Solid	05/28/2008 1344	05/29/2008 1153

SAMPLE RESULTS

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-23 (0-1')

Lab Sample ID: 640-16847-1

Date Sampled: 05/27/2008 1535

Client Matrix: Solid

% Moisture: 12.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.564 g

Date Analyzed: 06/03/2008 1223

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.0		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-23 (1-2')

Lab Sample ID: 640-16847-2

Date Sampled: 05/27/2008 1536

Client Matrix: Solid

% Moisture: 13.6

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.583 g

Date Analyzed: 06/03/2008 1237

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.0		0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-23 (2-4')

Lab Sample ID: 640-16847-3

Date Sampled: 05/27/2008 1537

Client Matrix: Solid

% Moisture: 13.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.560 g

Date Analyzed: 06/03/2008 1246

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.3		0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-24 (0-1')

Lab Sample ID: 640-16847-4

Date Sampled: 05/27/2008 1540

Client Matrix: Solid

% Moisture: 12.7

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.562 g

Date Analyzed: 06/03/2008 1248

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.0		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-24 (1-2')

Lab Sample ID: 640-16847-5

Date Sampled: 05/27/2008 1541

Client Matrix: Solid

% Moisture: 11.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.504 g

Date Analyzed: 06/03/2008 1250

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.0	I	0.25	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-24 (2-4')

Lab Sample ID: 640-16847-6

Date Sampled: 05/27/2008 1542

Client Matrix: Solid

% Moisture: 12.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.558 g

Date Analyzed: 06/03/2008 1252

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.2		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-25 (0-1')

Lab Sample ID: 640-16847-7

Date Sampled: 05/27/2008 1544

Client Matrix: Solid

% Moisture: 17.3

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.543 g

Date Analyzed: 06/03/2008 1254

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		7.0		0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-25 (1-2')

Lab Sample ID: 640-16847-8

Date Sampled: 05/27/2008 1545

Client Matrix: Solid

% Moisture: 12.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.552 g

Date Analyzed: 06/03/2008 1256

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.4		0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-25 (2-4')

Lab Sample ID: 640-16847-9

Date Sampled: 05/27/2008 1546

Client Matrix: Solid

% Moisture: 11.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.591 g

Date Analyzed: 06/03/2008 1257

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.1		0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-26 (0-1')

Lab Sample ID: 640-16847-10

Date Sampled: 05/27/2008 1550

Client Matrix: Solid

% Moisture: 8.3

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.537 g

Date Analyzed: 06/03/2008 1301

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		3.7		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-26 (1-2')

Lab Sample ID: 640-16847-11

Date Sampled: 05/27/2008 1551

Client Matrix: Solid

% Moisture: 9.8

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.586 g

Date Analyzed: 06/03/2008 1302

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.80	I	0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-26 (2-4')

Lab Sample ID: 640-16847-12

Date Sampled: 05/27/2008 1552

Client Matrix: Solid

% Moisture: 12.9

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.549 g

Date Analyzed: 06/03/2008 1304

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.46	I	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-27 (0-1')

Lab Sample ID: 640-16847-13

Date Sampled: 05/27/2008 1555

Client Matrix: Solid

% Moisture: 12.9

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.509 g

Date Analyzed: 06/03/2008 1312

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.3		0.25	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-27 (1-2')

Lab Sample ID: 640-16847-14

Date Sampled: 05/27/2008 1556

Client Matrix: Solid

% Moisture: 27.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.570 g

Date Analyzed: 06/03/2008 1314

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		5.1		0.26	1.2

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-27 (2-4')

Lab Sample ID: 640-16847-15

Date Sampled: 05/27/2008 1557

Client Matrix: Solid

% Moisture: 12.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.596 g

Date Analyzed: 06/03/2008 1315

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.6		0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-28 (0-1')

Lab Sample ID: 640-16847-16

Date Sampled: 05/27/2008 1610

Client Matrix: Solid

% Moisture: 12.9

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.549 g

Date Analyzed: 06/03/2008 1317

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.3		0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-28 (1-2')

Lab Sample ID: 640-16847-17

Date Sampled: 05/27/2008 1611

Client Matrix: Solid

% Moisture: 8.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.583 g

Date Analyzed: 06/03/2008 1319

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.5		0.21	0.93

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-28 (2-4')

Lab Sample ID: 640-16847-18

Date Sampled: 05/27/2008 1612

Client Matrix: Solid

% Moisture: 15.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.580 g

Date Analyzed: 06/03/2008 1321

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.4		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-29 (0-1')

Lab Sample ID: 640-16847-19

Date Sampled: 05/27/2008 1620

Client Matrix: Solid

% Moisture: 12.3

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45904

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45838

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.529 g

Date Analyzed: 06/03/2008 1322

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1130

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.9		0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-29 (1-2')

Lab Sample ID: 640-16847-20

Date Sampled: 05/27/2008 1621

Client Matrix: Solid

% Moisture: 15.8

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.578 g

Date Analyzed: 06/05/2008 1252

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.8		0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-29 (2-4')

Lab Sample ID: 640-16847-21

Date Sampled: 05/27/2008 1622

Client Matrix: Solid

% Moisture: 18.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.527 g

Date Analyzed: 06/05/2008 1300

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.6		0.25	1.2

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-DUPE-04

Lab Sample ID: 640-16847-22

Date Sampled: 05/27/2008 0000

Client Matrix: Solid

% Moisture: 19.3

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.516 g

Date Analyzed: 06/05/2008 1303

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.2		0.26	1.2

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-30 (0-1')

Lab Sample ID: 640-16847-23

Date Sampled: 05/27/2008 1625

Client Matrix: Solid

% Moisture: 3.8

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.588 g

Date Analyzed: 06/05/2008 1310

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.4		0.19	0.88

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-30 (1-2')

Lab Sample ID: 640-16847-24

Date Sampled: 05/27/2008 1626

Client Matrix: Solid

% Moisture: 8.9

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.535 g

Date Analyzed: 06/05/2008 1311

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.6		0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-30 (2-4')

Lab Sample ID: 640-16847-25

Date Sampled: 05/27/2008 1627

Client Matrix: Solid

% Moisture: 12.8

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.551 g

Date Analyzed: 06/05/2008 1313

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.0	I	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-31 (0-1')

Lab Sample ID: 640-16847-26

Date Sampled: 05/27/2008 1632

Client Matrix: Solid

% Moisture: 10.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.522 g

Date Analyzed: 06/05/2008 1315

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.0		0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-31 (1-2')

Lab Sample ID: 640-16847-27

Date Sampled: 05/27/2008 1633

Client Matrix: Solid

% Moisture: 17.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.562 g

Date Analyzed: 06/05/2008 1317

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.82	I	0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-31 (2-4')

Lab Sample ID: 640-16847-28

Date Sampled: 05/27/2008 1634

Client Matrix: Solid

% Moisture: 1.7

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.566 g

Date Analyzed: 06/05/2008 1319

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.4		0.20	0.90

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-32 (0-1')

Lab Sample ID: 640-16847-29

Date Sampled: 05/27/2008 1645

Client Matrix: Solid

% Moisture: 3.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.571 g

Date Analyzed: 06/05/2008 1320

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.94		0.20	0.90

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-32 (1-2')

Lab Sample ID: 640-16847-30

Date Sampled: 05/27/2008 1646

Client Matrix: Solid

% Moisture: 6.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.540 g

Date Analyzed: 06/05/2008 1322

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.9		0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-32 (2-4')

Lab Sample ID: 640-16847-31

Date Sampled: 05/27/2008 1647

Client Matrix: Solid

% Moisture: 10.6

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.592 g

Date Analyzed: 06/05/2008 1323

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.35	I	0.21	0.94

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-33 (0-1')

Lab Sample ID: 640-16847-32

Date Sampled: 05/27/2008 1703

Client Matrix: Solid

% Moisture: 2.7

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.559 g

Date Analyzed: 06/05/2008 1325

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		8.0		0.20	0.92

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-33 (1-2')

Lab Sample ID: 640-16847-33

Date Sampled: 05/27/2008 1704

Client Matrix: Solid

% Moisture: 6.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.562 g

Date Analyzed: 06/05/2008 1331

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		11		0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-33 (2-4')

Lab Sample ID: 640-16847-34

Date Sampled: 05/27/2008 1705

Client Matrix: Solid

% Moisture: 8.6

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.505 g

Date Analyzed: 06/05/2008 1332

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.1		0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-34 (0-1')

Lab Sample ID: 640-16847-35

Date Sampled: 05/28/2008 0815

Client Matrix: Solid

% Moisture: 2.8

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.533 g

Date Analyzed: 06/05/2008 1334

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.9		0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-34 (1-2')

Lab Sample ID: 640-16847-36

Date Sampled: 05/28/2008 0816

Client Matrix: Solid

% Moisture: 10.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.592 g

Date Analyzed: 06/05/2008 1336

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.9		0.21	0.94

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-34 (2-4')

Lab Sample ID: 640-16847-37

Date Sampled: 05/28/2008 0817

Client Matrix: Solid

% Moisture: 4.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.572 g

Date Analyzed: 06/05/2008 1337

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.71	I	0.20	0.91

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-35 (0-1')

Lab Sample ID: 640-16847-38

Date Sampled: 05/28/2008 0824

Client Matrix: Solid

% Moisture: 2.8

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.511 g

Date Analyzed: 06/05/2008 1339

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.1		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-35 (1-2')

Lab Sample ID: 640-16847-39

Date Sampled: 05/28/2008 0825

Client Matrix: Solid

% Moisture: 3.2

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45982

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45860

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.579 g

Date Analyzed: 06/05/2008 1340

Final Weight/Volume: 50 mL

Date Prepared: 06/02/2008 1430

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.52	I	0.20	0.89

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-35 (2-4')

Lab Sample ID: 640-16847-40

Date Sampled: 05/28/2008 0826

Client Matrix: Solid

% Moisture: 13.3

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.565 g

Date Analyzed: 06/05/2008 1405

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.4		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-36 (0-1')

Lab Sample ID: 640-16847-41

Date Sampled: 05/28/2008 0830

Client Matrix: Solid

% Moisture: 7.7

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.552 g

Date Analyzed: 06/05/2008 1414

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		3.7		0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-36 (1-2')

Lab Sample ID: 640-16847-42

Date Sampled: 05/28/2008 0931

Client Matrix: Solid

% Moisture: 11.7

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.504 g

Date Analyzed: 06/05/2008 1416

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.7		0.25	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-DUPE-05

Lab Sample ID: 640-16847-43

Date Sampled: 05/28/2008 0000

Client Matrix: Solid

% Moisture: 7.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.529 g

Date Analyzed: 06/05/2008 1418

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.5		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-36 (2-4)

Lab Sample ID: 640-16847-44

Date Sampled: 05/28/2008 0832

Client Matrix: Solid

% Moisture: 13.9

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.581 g

Date Analyzed: 06/05/2008 1420

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		3.4		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-37 (0-1')

Lab Sample ID: 640-16847-45

Date Sampled: 05/28/2008 0838

Client Matrix: Solid

% Moisture: 5.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.563 g

Date Analyzed: 06/05/2008 1421

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.3		0.21	0.93

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-37 (1-2')

Lab Sample ID: 640-16847-46

Date Sampled: 05/28/2008 0839

Client Matrix: Solid

% Moisture: 4.8

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.514 g

Date Analyzed: 06/05/2008 1428

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.36	I	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-37 (2-4')

Lab Sample ID: 640-16847-47

Date Sampled: 05/28/2008 0840

Client Matrix: Solid

% Moisture: 10.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.530 g

Date Analyzed: 06/05/2008 1430

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.64	I	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-38 (0-1')

Lab Sample ID: 640-16847-48

Date Sampled: 05/28/2008 0848

Client Matrix: Solid

% Moisture: 4.9

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.534 g

Date Analyzed: 06/05/2008 1431

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.1		0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-38 (1-2')

Lab Sample ID: 640-16847-49

Date Sampled: 05/28/2008 0849

Client Matrix: Solid

% Moisture: 11.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.531 g

Date Analyzed: 06/05/2008 1433

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.73	I	0.23	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-38 (2-4')

Lab Sample ID: 640-16847-50

Date Sampled: 05/28/2008 0850

Client Matrix: Solid

% Moisture: 15.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.546 g

Date Analyzed: 06/05/2008 1436

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.4		0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-39 (0-1')

Lab Sample ID: 640-16847-51

Date Sampled: 05/28/2008 0854

Client Matrix: Solid

% Moisture: 9.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.524 g

Date Analyzed: 06/05/2008 1438

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.70	I	0.23	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-39 (1-2')

Lab Sample ID: 640-16847-52

Date Sampled: 05/28/2008 0855

Client Matrix: Solid

% Moisture: 11.7

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.598 g

Date Analyzed: 06/05/2008 1442

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.1		0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-39 (2-4')

Lab Sample ID: 640-16847-53

Date Sampled: 05/28/2008 0856

Client Matrix: Solid

% Moisture: 17.3

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.599 g

Date Analyzed: 06/05/2008 1444

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.4		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-40 (0-1')

Lab Sample ID: 640-16847-54

Date Sampled: 05/28/2008 0902

Client Matrix: Solid

% Moisture: 6.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.542 g

Date Analyzed: 06/05/2008 1446

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.3		0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-40 (1-2')

Lab Sample ID: 640-16847-55

Date Sampled: 05/28/2008 0901

Client Matrix: Solid

% Moisture: 10.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.541 g

Date Analyzed: 06/05/2008 1448

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.2		0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-40 (2-4')

Lab Sample ID: 640-16847-56

Date Sampled: 05/28/2008 0900

Client Matrix: Solid

% Moisture: 14.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.596 g

Date Analyzed: 06/05/2008 1457

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.83	I	0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-41 (0-1')

Lab Sample ID: 640-16847-57

Date Sampled: 05/28/2008 0925

Client Matrix: Solid

% Moisture: 5.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.557 g

Date Analyzed: 06/05/2008 1459

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.6		0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-41 (1-2')

Lab Sample ID: 640-16847-58

Date Sampled: 05/28/2008 0926

Client Matrix: Solid

% Moisture: 10.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.522 g

Date Analyzed: 06/05/2008 1501

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.55	I	0.23	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-41 (2-4')

Lab Sample ID: 640-16847-59

Date Sampled: 05/28/2008 0927

Client Matrix: Solid

% Moisture: 15.7

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-45988

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45886

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.505 g

Date Analyzed: 06/05/2008 1502

Final Weight/Volume: 50 mL

Date Prepared: 06/03/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.90	I	0.26	1.2

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-42 (0-1')

Lab Sample ID: 640-16847-60

Date Sampled: 05/28/2008 0935

Client Matrix: Solid

% Moisture: 5.6

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.524 g

Date Analyzed: 06/06/2008 1209

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.22	U	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-42 (1-2')

Lab Sample ID: 640-16847-61

Date Sampled: 05/28/2008 0936

Client Matrix: Solid

% Moisture: 11.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.538 g

Date Analyzed: 06/06/2008 1210

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.59	I	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-42 (2-4')

Lab Sample ID: 640-16847-62

Date Sampled: 05/28/2008 0937

Client Matrix: Solid

% Moisture: 13.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.566 g

Date Analyzed: 06/06/2008 1212

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.22	U	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-43 (0-1')

Lab Sample ID: 640-16847-63

Date Sampled: 05/28/2008 0940

Client Matrix: Solid

% Moisture: 9.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46030

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.530 g

Date Analyzed: 06/05/2008 1702

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		6.4		0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-DUPE-06

Lab Sample ID: 640-16847-64

Date Sampled: 05/28/2008 0000

Client Matrix: Solid

% Moisture: 11.3

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46030

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.535 g

Date Analyzed: 06/05/2008 1709

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		5.0		0.23	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-43 (1-2')

Lab Sample ID: 640-16847-65

Date Sampled: 05/28/2008 0941

Client Matrix: Solid

% Moisture: 5.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46030

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.585 g

Date Analyzed: 06/05/2008 1715

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.8		0.20	0.90

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-43 (2-4)

Lab Sample ID: 640-16847-66

Date Sampled: 05/28/2008 0942

Client Matrix: Solid

% Moisture: 12.6

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46030

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.537 g

Date Analyzed: 06/05/2008 1721

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.6		0.23	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-44 (0-1')

Lab Sample ID: 640-16847-67

Date Sampled: 05/28/2008 0944

Client Matrix: Solid

% Moisture: 8.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46030

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.566 g

Date Analyzed: 06/05/2008 1727

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.4		0.21	0.96

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-44 (1-2')

Lab Sample ID: 640-16847-68

Date Sampled: 05/28/2008 0945

Client Matrix: Solid

% Moisture: 6.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46030

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.521 g

Date Analyzed: 06/05/2008 1746

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.4		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-44 (2-4')

Lab Sample ID: 640-16847-69

Date Sampled: 05/28/2008 0946

Client Matrix: Solid

% Moisture: 10.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46030

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.572 g

Date Analyzed: 06/05/2008 1752

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.3		0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-45 (0-1')

Lab Sample ID: 640-16847-70

Date Sampled: 05/28/2008 0950

Client Matrix: Solid

% Moisture: 4.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46030

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.576 g

Date Analyzed: 06/05/2008 1758

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.3		0.20	0.90

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-45 (1-2)

Lab Sample ID: 640-16847-71

Date Sampled: 05/28/2008 0951

Client Matrix: Solid

% Moisture: 5.3

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46030

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.570 g

Date Analyzed: 06/05/2008 1804

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.5		0.20	0.93

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-45 (2-4')

Lab Sample ID: 640-16847-72

Date Sampled: 05/28/2008 0952

Client Matrix: Solid

% Moisture: 15.2

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46030

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.590 g

Date Analyzed: 06/05/2008 1810

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.0		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-46 (0-1')

Lab Sample ID: 640-16847-73

Date Sampled: 05/28/2008 0953

Client Matrix: Solid

% Moisture: 3.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.597 g

Date Analyzed: 06/06/2008 1213

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.64	I	0.19	0.87

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-46 (1-2')

Lab Sample ID: 640-16847-74

Date Sampled: 05/28/2008 0954

Client Matrix: Solid

% Moisture: 9.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.598 g

Date Analyzed: 06/06/2008 1215

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.57	I	0.20	0.92

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-46 (2-4')

Lab Sample ID: 640-16847-75

Date Sampled: 05/28/2008 0955

Client Matrix: Solid

% Moisture: 15.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46030

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.579 g

Date Analyzed: 06/05/2008 1829

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.73	I	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-47 (0-1')

Lab Sample ID: 640-16847-76

Date Sampled: 05/28/2008 0956

Client Matrix: Solid

% Moisture: 6.2

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46030

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.598 g

Date Analyzed: 06/05/2008 1835

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.7		0.20	0.89

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-47 (1-2')

Lab Sample ID: 640-16847-77

Date Sampled: 05/28/2008 0957

Client Matrix: Solid

% Moisture: 4.3

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46030

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.580 g

Date Analyzed: 06/05/2008 1841

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.20	U	0.20	0.90

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-47 (2-4')

Lab Sample ID: 640-16847-78

Date Sampled: 05/28/2008 0958

Client Matrix: Solid

% Moisture: 7.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46030

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.555 g

Date Analyzed: 06/05/2008 1900

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.57	I	0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-48 (0-1')

Lab Sample ID: 640-16847-79

Date Sampled: 05/28/2008 1000

Client Matrix: Solid

% Moisture: 11.6

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45899

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.565 g

Date Analyzed: 06/06/2008 1216

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 0800

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.2		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-48 (1-2')

Lab Sample ID: 640-16847-80

Date Sampled: 05/28/2008 1001

Client Matrix: Solid

% Moisture: 6.7

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46030

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.592 g

Date Analyzed: 06/05/2008 1949

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		3.1		0.20	0.91

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-48 (2-4')

Lab Sample ID: 640-16847-81

Date Sampled: 05/28/2008 1002

Client Matrix: Solid

% Moisture: 12.6

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46030

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.583 g

Date Analyzed: 06/05/2008 1955

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		7.2		0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-49 (0-1')

Lab Sample ID: 640-16847-82

Date Sampled: 05/28/2008 1016

Client Matrix: Solid

% Moisture: 5.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.533 g

Date Analyzed: 06/06/2008 1218

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.54	I	0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-49 (1-2')

Lab Sample ID: 640-16847-83

Date Sampled: 05/28/2008 1017

Client Matrix: Solid

% Moisture: 7.9

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.500 g

Date Analyzed: 06/06/2008 1220

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.85	I	0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-49 (2-4')

Lab Sample ID: 640-16847-84

Date Sampled: 05/28/2008 1018

Client Matrix: Solid

% Moisture: 11.7

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.530 g

Date Analyzed: 06/06/2008 1222

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.24	U	0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-50 (0-1')

Lab Sample ID: 640-16847-85

Date Sampled: 05/28/2008 1020

Client Matrix: Solid

% Moisture: 7.8

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.579 g

Date Analyzed: 06/06/2008 1223

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.84	I	0.21	0.94

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-DUPE-07

Lab Sample ID: 640-16847-86

Date Sampled: 05/28/2008 0000

Client Matrix: Solid

% Moisture: 6.6

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.504 g

Date Analyzed: 06/06/2008 1233

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.4		0.23	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-50 (1-2')

Lab Sample ID: 640-16847-87

Date Sampled: 05/28/2008 1021

Client Matrix: Solid

% Moisture: 11.2

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.524 g

Date Analyzed: 06/06/2008 1234

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.24	U	0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-50 (2-4')

Lab Sample ID: 640-16847-88

Date Sampled: 05/28/2008 1022

Client Matrix: Solid

% Moisture: 19.6

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.552 g

Date Analyzed: 06/06/2008 1236

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.3		0.25	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-51 (0-1')

Lab Sample ID: 640-16847-89

Date Sampled: 05/28/2008 1024

Client Matrix: Solid

% Moisture: 7.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.550 g

Date Analyzed: 06/06/2008 1237

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.4		0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-51 (1-2')

Lab Sample ID: 640-16847-90

Date Sampled: 05/28/2008 1025

Client Matrix: Solid

% Moisture: 15.8

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.509 g

Date Analyzed: 06/06/2008 1239

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.49	I	0.26	1.2

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-51 (2-4')

Lab Sample ID: 640-16847-91

Date Sampled: 05/28/2008 1026

Client Matrix: Solid

% Moisture: 20.9

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.588 g

Date Analyzed: 06/06/2008 1241

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.24	U	0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-52 (0-1')

Lab Sample ID: 640-16847-92

Date Sampled: 05/28/2008 1028

Client Matrix: Solid

% Moisture: 12.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.556 g

Date Analyzed: 06/06/2008 1244

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.1		0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-52 (1-2')

Lab Sample ID: 640-16847-93

Date Sampled: 05/28/2008 1029

Client Matrix: Solid

% Moisture: 4.7

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.564 g

Date Analyzed: 06/06/2008 1246

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.21	I	0.20	0.93

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-52 (2-4')

Lab Sample ID: 640-16847-94

Date Sampled: 05/28/2008 1030

Client Matrix: Solid

% Moisture: 13.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.580 g

Date Analyzed: 06/06/2008 1248

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.53	I	0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-53 (0-1')

Lab Sample ID: 640-16847-95

Date Sampled: 05/28/2008 1032

Client Matrix: Solid

% Moisture: 14.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.582 g

Date Analyzed: 06/06/2008 1249

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		3.1		0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-53 (1-2')

Lab Sample ID: 640-16847-96

Date Sampled: 05/28/2008 1033

Client Matrix: Solid

% Moisture: 9.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.560 g

Date Analyzed: 06/06/2008 1257

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.36	I	0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-53 (2-4')

Lab Sample ID: 640-16847-97

Date Sampled: 05/28/2008 1034

Client Matrix: Solid

% Moisture: 12.8

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.593 g

Date Analyzed: 06/06/2008 1258

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.30	I	0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-54 (0-1')

Lab Sample ID: 640-16847-98

Date Sampled: 05/28/2008 1036

Client Matrix: Solid

% Moisture: 4.8

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.586 g

Date Analyzed: 06/06/2008 1300

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.74	I	0.20	0.90

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-54 (1-2')

Lab Sample ID: 640-16847-99

Date Sampled: 05/28/2008 1037

Client Matrix: Solid

% Moisture: 8.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46045

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45902

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.581 g

Date Analyzed: 06/06/2008 1302

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1015

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.33	I	0.21	0.93

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-54 (2-4')

Lab Sample ID: 640-16847-100

Date Sampled: 05/28/2008 1038

Client Matrix: Solid

% Moisture: 13.2

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.557 g

Date Analyzed: 06/06/2008 1354

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.55	I	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-55 (0-1')

Lab Sample ID: 640-16847-101

Date Sampled: 05/28/2008 1040

Client Matrix: Solid

% Moisture: 11.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.529 g

Date Analyzed: 06/06/2008 1402

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.3		0.23	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-55 (1-2')

Lab Sample ID: 640-16847-102

Date Sampled: 05/28/2008 1041

Client Matrix: Solid

% Moisture: 8.8

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.560 g

Date Analyzed: 06/06/2008 1404

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.0		0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-55 (2-4')

Lab Sample ID: 640-16847-103

Date Sampled: 05/28/2008 1042

Client Matrix: Solid

% Moisture: 10.3

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.537 g

Date Analyzed: 06/06/2008 1405

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.98	I	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-56 (0-1')

Lab Sample ID: 640-16847-104

Date Sampled: 05/28/2008 1102

Client Matrix: Solid

% Moisture: 10.8

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.502 g

Date Analyzed: 06/06/2008 1407

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.6		0.25	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-56 (1-2')

Lab Sample ID: 640-16847-105

Date Sampled: 05/28/2008 1103

Client Matrix: Solid

% Moisture: 4.7

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.512 g

Date Analyzed: 06/06/2008 1408

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.23	U	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-56 (2-4')

Lab Sample ID: 640-16847-106

Date Sampled: 05/28/2008 1104

Client Matrix: Solid

% Moisture: 10.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.518 g

Date Analyzed: 06/06/2008 1416

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.24	U	0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-57 (0-1')

Lab Sample ID: 640-16847-107

Date Sampled: 05/28/2008 1105

Client Matrix: Solid

% Moisture: 5.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.578 g

Date Analyzed: 06/06/2008 1417

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.60	I	0.20	0.91

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-57 (1-2')

Lab Sample ID: 640-16847-108

Date Sampled: 05/28/2008 1106

Client Matrix: Solid

% Moisture: 6.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.569 g

Date Analyzed: 06/06/2008 1419

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.68	I	0.21	0.94

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-DUPE-08

Lab Sample ID: 640-16847-109

Date Sampled: 05/28/2008 0000

Client Matrix: Solid

% Moisture: 9.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.539 g

Date Analyzed: 06/06/2008 1420

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.39	I	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-57 (2-4')

Lab Sample ID: 640-16847-110

Date Sampled: 05/28/2008 1107

Client Matrix: Solid

% Moisture: 11.9

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.540 g

Date Analyzed: 06/06/2008 1422

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.77	I	0.23	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-58 (0-1')

Lab Sample ID: 640-16847-111

Date Sampled: 05/28/2008 1108

Client Matrix: Solid

% Moisture: 4.7

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.519 g

Date Analyzed: 06/06/2008 1423

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.33	I	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-58 (1-2')

Lab Sample ID: 640-16847-112

Date Sampled: 05/28/2008 1109

Client Matrix: Solid

% Moisture: 4.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.530 g

Date Analyzed: 06/06/2008 1424

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.22	U	0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-58 (2-4')

Lab Sample ID: 640-16847-113

Date Sampled: 05/28/2008 1110

Client Matrix: Solid

% Moisture: 16.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.577 g

Date Analyzed: 06/06/2008 1426

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.42	I	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-59 (0-1')

Lab Sample ID: 640-16847-114

Date Sampled: 05/28/2008 1112

Client Matrix: Solid

% Moisture: 8.7

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.566 g

Date Analyzed: 06/06/2008 1427

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.3		0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-59 (1-2')

Lab Sample ID: 640-16847-115

Date Sampled: 05/28/2008 1113

Client Matrix: Solid

% Moisture: 5.2

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.544 g

Date Analyzed: 06/06/2008 1429

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.21	U	0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-59 (2-4')

Lab Sample ID: 640-16847-116

Date Sampled: 05/28/2008 1114

Client Matrix: Solid

% Moisture: 11.6

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.595 g

Date Analyzed: 06/06/2008 1437

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.43	I	0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-60 (0-1')

Lab Sample ID: 640-16847-117

Date Sampled: 05/28/2008 1115

Client Matrix: Solid

% Moisture: 2.9

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.530 g

Date Analyzed: 06/06/2008 1439

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.57	I	0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-60 (1-2')

Lab Sample ID: 640-16847-118

Date Sampled: 05/28/2008 1116

Client Matrix: Solid

% Moisture: 3.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.546 g

Date Analyzed: 06/06/2008 1441

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.21	U	0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-60 (2-4')

Lab Sample ID: 640-16847-119

Date Sampled: 05/28/2008 1117

Client Matrix: Solid

% Moisture: 16.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46055

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45932

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.547 g

Date Analyzed: 06/06/2008 1443

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.24	U	0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-61 (0-1')

Lab Sample ID: 640-16847-120

Date Sampled: 05/28/2008 1118

Client Matrix: Solid

% Moisture: 4.9

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.591 g

Date Analyzed: 06/06/2008 1452

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.20	U	0.20	0.89

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-61 (1-2')

Lab Sample ID: 640-16847-121

Date Sampled: 05/28/2008 1119

Client Matrix: Solid

% Moisture: 17.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.590 g

Date Analyzed: 06/06/2008 1507

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.75	I	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-61 (2-4')

Lab Sample ID: 640-16847-122

Date Sampled: 05/28/2008 1120

Client Matrix: Solid

% Moisture: 25.9

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.545 g

Date Analyzed: 06/06/2008 1509

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.64	I	0.27	1.2

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-62 (0-1')

Lab Sample ID: 640-16847-123

Date Sampled: 05/28/2008 1122

Client Matrix: Solid

% Moisture: 12.8

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.512 g

Date Analyzed: 06/06/2008 1510

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.3		0.25	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-62 (1-2')

Lab Sample ID: 640-16847-124

Date Sampled: 05/28/2008 1123

Client Matrix: Solid

% Moisture: 4.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.576 g

Date Analyzed: 06/06/2008 1513

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.20	U	0.20	0.90

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-62 (2-4')

Lab Sample ID: 640-16847-125

Date Sampled: 05/28/2008 1124

Client Matrix: Solid

% Moisture: 9.7

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.569 g

Date Analyzed: 06/06/2008 1515

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.33	I	0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-63 (0-1')

Lab Sample ID: 640-16847-126

Date Sampled: 05/28/2008 1130

Client Matrix: Solid

% Moisture: 7.3

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.524 g

Date Analyzed: 06/06/2008 1516

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.3		0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-63 (1-2')

Lab Sample ID: 640-16847-127

Date Sampled: 05/28/2008 1131

Client Matrix: Solid

% Moisture: 6.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.599 g

Date Analyzed: 06/06/2008 1519

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.20	U	0.20	0.89

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-63 (2-4')

Lab Sample ID: 640-16847-128

Date Sampled: 05/28/2008 1132

Client Matrix: Solid

% Moisture: 16.2

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.535 g

Date Analyzed: 06/06/2008 1521

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.84	I	0.25	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-64 (0-1')

Lab Sample ID: 640-16847-129

Date Sampled: 05/28/2008 1302

Client Matrix: Solid

% Moisture: 11.3

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.531 g

Date Analyzed: 06/06/2008 1525

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.3		0.23	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-64 (1-2')

Lab Sample ID: 640-16847-130

Date Sampled: 05/28/2008 1303

Client Matrix: Solid

% Moisture: 6.7

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.543 g

Date Analyzed: 06/06/2008 1534

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.2		0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-DUPE-09

Lab Sample ID: 640-16847-131

Date Sampled: 05/28/2008 0000

Client Matrix: Solid

% Moisture: 7.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.599 g

Date Analyzed: 06/06/2008 1535

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.0		0.20	0.90

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-64 (2-4')

Lab Sample ID: 640-16847-132

Date Sampled: 05/28/2008 1304

Client Matrix: Solid

% Moisture: 15.2

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.554 g

Date Analyzed: 06/06/2008 1538

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.55	I	0.23	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-65 (0-1')

Lab Sample ID: 640-16847-133

Date Sampled: 05/28/2008 1306

Client Matrix: Solid

% Moisture: 4.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.524 g

Date Analyzed: 06/06/2008 1540

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.56	I	0.22	0.99

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-65 (1-2')

Lab Sample ID: 640-16847-134

Date Sampled: 05/28/2008 1307

Client Matrix: Solid

% Moisture: 12.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.557 g

Date Analyzed: 06/06/2008 1541

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.9		0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-65 (2-4')

Lab Sample ID: 640-16847-135

Date Sampled: 05/28/2008 1308

Client Matrix: Solid

% Moisture: 18.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.569 g

Date Analyzed: 06/06/2008 1543

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.4		0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-66 (0-1')

Lab Sample ID: 640-16847-136

Date Sampled: 05/28/2008 1310

Client Matrix: Solid

% Moisture: 4.3

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.591 g

Date Analyzed: 06/06/2008 1545

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.22	I	0.19	0.88

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-66 (1-2')

Lab Sample ID: 640-16847-137

Date Sampled: 05/28/2008 1311

Client Matrix: Solid

% Moisture: 8.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.564 g

Date Analyzed: 06/06/2008 1546

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.2		0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-66 (2-4')

Lab Sample ID: 640-16847-138

Date Sampled: 05/28/2008 1312

Client Matrix: Solid

% Moisture: 16.3

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.586 g

Date Analyzed: 06/06/2008 1548

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.52	I	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-67 (0-1')

Lab Sample ID: 640-16847-139

Date Sampled: 05/28/2008 1314

Client Matrix: Solid

% Moisture: 8.6

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46057

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45933

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.562 g

Date Analyzed: 06/06/2008 1550

Final Weight/Volume: 50 mL

Date Prepared: 06/04/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		4.4		0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-67 (1-2')

Lab Sample ID: 640-16847-140

Date Sampled: 05/28/2008 1315

Client Matrix: Solid

% Moisture: 6.6

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.502 g

Date Analyzed: 06/06/2008 1628

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		12		0.23	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-67 (2-4')

Lab Sample ID: 640-16847-141

Date Sampled: 05/28/2008 1316

Client Matrix: Solid

% Moisture: 10.2

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.584 g

Date Analyzed: 06/06/2008 1630

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		3.9		0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-68 (0-1')

Lab Sample ID: 640-16847-142

Date Sampled: 05/28/2008 1318

Client Matrix: Solid

% Moisture: 12.3

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.540 g

Date Analyzed: 06/06/2008 1632

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.83	I	0.23	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-68 (1-2')

Lab Sample ID: 640-16847-143

Date Sampled: 05/28/2008 1319

Client Matrix: Solid

% Moisture: 14.7

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.577 g

Date Analyzed: 06/06/2008 1633

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.45	I	0.22	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-68 (2-4')

Lab Sample ID: 640-16847-144

Date Sampled: 05/28/2008 1320

Client Matrix: Solid

% Moisture: 18.6

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.540 g

Date Analyzed: 06/06/2008 1635

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.7		0.25	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-69 (0-1')

Lab Sample ID: 640-16847-145

Date Sampled: 05/28/2008 1322

Client Matrix: Solid

% Moisture: 8.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.557 g

Date Analyzed: 06/06/2008 1638

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.9		0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-69 (1-2')

Lab Sample ID: 640-16847-146

Date Sampled: 05/28/2008 1323

Client Matrix: Solid

% Moisture: 9.9

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.505 g

Date Analyzed: 06/06/2008 1640

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.60	I	0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-69 (2-4')

Lab Sample ID: 640-16847-147

Date Sampled: 05/28/2008 1324

Client Matrix: Solid

% Moisture: 22.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.582 g

Date Analyzed: 06/06/2008 1647

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		2.2		0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-70 (0-1')

Lab Sample ID: 640-16847-148

Date Sampled: 05/28/2008 1326

Client Matrix: Solid

% Moisture: 15.3

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.538 g

Date Analyzed: 06/06/2008 1649

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		3.6		0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-70 (1-2')

Lab Sample ID: 640-16847-149

Date Sampled: 05/28/2008 1327

Client Matrix: Solid

% Moisture: 12.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.580 g

Date Analyzed: 06/06/2008 1652

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.84	I	0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-70 (2-4')

Lab Sample ID: 640-16847-150

Date Sampled: 05/28/2008 1328

Client Matrix: Solid

% Moisture: 15.7

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.552 g

Date Analyzed: 06/06/2008 1702

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.55	I	0.24	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-71 (0-1')

Lab Sample ID: 640-16847-151

Date Sampled: 05/28/2008 1330

Client Matrix: Solid

% Moisture: 7.6

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.596 g

Date Analyzed: 06/06/2008 1703

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.4		0.20	0.91

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-DUPE-10

Lab Sample ID: 640-16847-152

Date Sampled: 05/28/2008 0000

Client Matrix: Solid

% Moisture: 8.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.579 g

Date Analyzed: 06/06/2008 1705

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.67	I	0.21	0.94

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-71 (1-2')

Lab Sample ID: 640-16847-153

Date Sampled: 05/28/2008 1331

Client Matrix: Solid

% Moisture: 6.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.596 g

Date Analyzed: 06/06/2008 1713

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.64	I	0.20	0.90

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-71 (2-4')

Lab Sample ID: 640-16847-154

Date Sampled: 05/28/2008 1332

Client Matrix: Solid

% Moisture: 10.6

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.579 g

Date Analyzed: 06/06/2008 1714

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.21	U	0.21	0.97

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-72 (0-1')

Lab Sample ID: 640-16847-155

Date Sampled: 05/28/2008 1334

Client Matrix: Solid

% Moisture: 1.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.558 g

Date Analyzed: 06/06/2008 1715

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.24	I	0.20	0.91

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-72 (1-2')

Lab Sample ID: 640-16847-156

Date Sampled: 05/28/2008 1335

Client Matrix: Solid

% Moisture: 8.6

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.585 g

Date Analyzed: 06/06/2008 1717

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.27	I	0.21	0.94

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-72 (2-4')

Lab Sample ID: 640-16847-157

Date Sampled: 05/28/2008 1336

Client Matrix: Solid

% Moisture: 20.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.523 g

Date Analyzed: 06/06/2008 1718

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.53	I	0.26	1.2

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-73 (0-1')

Lab Sample ID: 640-16847-158

Date Sampled: 05/28/2008 1338

Client Matrix: Solid

% Moisture: 3.4

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.557 g

Date Analyzed: 06/06/2008 1720

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		1.3		0.20	0.93

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-73 (1-2')

Lab Sample ID: 640-16847-159

Date Sampled: 05/28/2008 1339

Client Matrix: Solid

% Moisture: 3.5

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46062

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-45943

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.544 g

Date Analyzed: 06/06/2008 1722

Final Weight/Volume: 50 mL

Date Prepared: 06/05/2008 1125

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.59	I	0.21	0.95

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-73 (2-4')

Lab Sample ID: 640-16847-160

Date Sampled: 05/28/2008 1340

Client Matrix: Solid

% Moisture: 5.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.535 g

Date Analyzed: 06/09/2008 1520

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.34	I	0.22	0.98

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-74 (0-1')

Lab Sample ID: 640-16847-161

Date Sampled: 05/28/2008 1342

Client Matrix: Solid

% Moisture: 6.3

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.515 g

Date Analyzed: 06/09/2008 1535

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.95	I	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-74 (1-2')

Lab Sample ID: 640-16847-162

Date Sampled: 05/28/2008 1343

Client Matrix: Solid

% Moisture: 14.1

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.560 g

Date Analyzed: 06/09/2008 1536

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.95	I	0.23	1.0

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Client Sample ID: AS-74 (2-4')

Lab Sample ID: 640-16847-163

Date Sampled: 05/28/2008 1344

Client Matrix: Solid

% Moisture: 16.0

Date Received: 05/29/2008 1153

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B

Analysis Batch: 640-46113

Instrument ID: ICP Trace

Preparation: 3050B

Prep Batch: 640-46027

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 0.521 g

Date Analyzed: 06/09/2008 1538

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1200

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	PQL
Arsenic		0.53	I	0.25	1.1

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-23 (0-1')

Lab Sample ID: 640-16847-1

Client Matrix: Solid

Date Sampled: 05/27/2008 1535

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883		Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900					

Client Sample ID: AS-23 (1-2')

Lab Sample ID: 640-16847-2

Client Matrix: Solid

Date Sampled: 05/27/2008 1536

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	86		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883		Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900					

Client Sample ID: AS-23 (2-4')

Lab Sample ID: 640-16847-3

Client Matrix: Solid

Date Sampled: 05/27/2008 1537

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	86		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883		Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900					

Client Sample ID: AS-24 (0-1')

Lab Sample ID: 640-16847-4

Client Matrix: Solid

Date Sampled: 05/27/2008 1540

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883		Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900					

Client Sample ID: AS-24 (1-2')

Lab Sample ID: 640-16847-5

Client Matrix: Solid

Date Sampled: 05/27/2008 1541

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883		Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-24 (2-4')

Lab Sample ID: 640-16847-6

Client Matrix: Solid

Date Sampled: 05/27/2008 1542

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883 Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900							

Client Sample ID: AS-25 (0-1')

Lab Sample ID: 640-16847-7

Client Matrix: Solid

Date Sampled: 05/27/2008 1544

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	83		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883 Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900							

Client Sample ID: AS-25 (1-2')

Lab Sample ID: 640-16847-8

Client Matrix: Solid

Date Sampled: 05/27/2008 1545

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883 Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900							

Client Sample ID: AS-25 (2-4')

Lab Sample ID: 640-16847-9

Client Matrix: Solid

Date Sampled: 05/27/2008 1546

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883 Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900							

Client Sample ID: AS-26 (0-1')

Lab Sample ID: 640-16847-10

Client Matrix: Solid

Date Sampled: 05/27/2008 1550

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883 Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-26 (1-2')

Lab Sample ID: 640-16847-11

Client Matrix: Solid

Date Sampled: 05/27/2008 1551

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883 Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900							

Client Sample ID: AS-26 (2-4')

Lab Sample ID: 640-16847-12

Client Matrix: Solid

Date Sampled: 05/27/2008 1552

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883 Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900							

Client Sample ID: AS-27 (0-1')

Lab Sample ID: 640-16847-13

Client Matrix: Solid

Date Sampled: 05/27/2008 1555

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883 Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900							

Client Sample ID: AS-27 (1-2')

Lab Sample ID: 640-16847-14

Client Matrix: Solid

Date Sampled: 05/27/2008 1556

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	73		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883 Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900							

Client Sample ID: AS-27 (2-4')

Lab Sample ID: 640-16847-15

Client Matrix: Solid

Date Sampled: 05/27/2008 1557

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883 Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-28 (0-1')

Lab Sample ID: 640-16847-16

Client Matrix: Solid

Date Sampled: 05/27/2008 1610

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883 Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900							

Client Sample ID: AS-28 (1-2')

Lab Sample ID: 640-16847-17

Client Matrix: Solid

Date Sampled: 05/27/2008 1611

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883 Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900							

Client Sample ID: AS-28 (2-4')

Lab Sample ID: 640-16847-18

Client Matrix: Solid

Date Sampled: 05/27/2008 1612

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	85		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883 Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900							

Client Sample ID: AS-29 (0-1')

Lab Sample ID: 640-16847-19

Client Matrix: Solid

Date Sampled: 05/27/2008 1620

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883 Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900							

Client Sample ID: AS-29 (1-2')

Lab Sample ID: 640-16847-20

Client Matrix: Solid

Date Sampled: 05/27/2008 1621

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	84		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45883 Date Analyzed (Start) 06/02/2008 1100 (End) 06/03/2008 0900							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-29 (2-4')

Lab Sample ID: 640-16847-21

Client Matrix: Solid

Date Sampled: 05/27/2008 1622

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	82		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884 Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000							

Client Sample ID: AS-DUPE-04

Lab Sample ID: 640-16847-22

Client Matrix: Solid

Date Sampled: 05/27/2008 0000

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	81		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884 Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000							

Client Sample ID: AS-30 (0-1')

Lab Sample ID: 640-16847-23

Client Matrix: Solid

Date Sampled: 05/27/2008 1625

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884 Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000							

Client Sample ID: AS-30 (1-2')

Lab Sample ID: 640-16847-24

Client Matrix: Solid

Date Sampled: 05/27/2008 1626

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884 Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000							

Client Sample ID: AS-30 (2-4')

Lab Sample ID: 640-16847-25

Client Matrix: Solid

Date Sampled: 05/27/2008 1627

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884 Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-31 (0-1')

Lab Sample ID: 640-16847-26

Client Matrix: Solid

Date Sampled: 05/27/2008 1632

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884 Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000							

Client Sample ID: AS-31 (1-2')

Lab Sample ID: 640-16847-27

Client Matrix: Solid

Date Sampled: 05/27/2008 1633

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	83		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884 Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000							

Client Sample ID: AS-31 (2-4')

Lab Sample ID: 640-16847-28

Client Matrix: Solid

Date Sampled: 05/27/2008 1634

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	98		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884 Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000							

Client Sample ID: AS-32 (0-1')

Lab Sample ID: 640-16847-29

Client Matrix: Solid

Date Sampled: 05/27/2008 1645

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884 Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000							

Client Sample ID: AS-32 (1-2')

Lab Sample ID: 640-16847-30

Client Matrix: Solid

Date Sampled: 05/27/2008 1646

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884 Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-32 (2-4')

Lab Sample ID: 640-16847-31

Client Matrix: Solid

Date Sampled: 05/27/2008 1647

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884		Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000					

Client Sample ID: AS-33 (0-1')

Lab Sample ID: 640-16847-32

Client Matrix: Solid

Date Sampled: 05/27/2008 1703

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884		Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000					

Client Sample ID: AS-33 (1-2')

Lab Sample ID: 640-16847-33

Client Matrix: Solid

Date Sampled: 05/27/2008 1704

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884		Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000					

Client Sample ID: AS-33 (2-4')

Lab Sample ID: 640-16847-34

Client Matrix: Solid

Date Sampled: 05/27/2008 1705

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884		Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000					

Client Sample ID: AS-34 (0-1')

Lab Sample ID: 640-16847-35

Client Matrix: Solid

Date Sampled: 05/28/2008 0815

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884		Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-34 (1-2')

Lab Sample ID: 640-16847-36

Client Matrix: Solid

Date Sampled: 05/28/2008 0816

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884 Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000							

Client Sample ID: AS-34 (2-4')

Lab Sample ID: 640-16847-37

Client Matrix: Solid

Date Sampled: 05/28/2008 0817

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884 Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000							

Client Sample ID: AS-35 (0-1')

Lab Sample ID: 640-16847-38

Client Matrix: Solid

Date Sampled: 05/28/2008 0824

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884 Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000							

Client Sample ID: AS-35 (1-2')

Lab Sample ID: 640-16847-39

Client Matrix: Solid

Date Sampled: 05/28/2008 0825

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45884 Date Analyzed (Start) 06/02/2008 1200 (End) 06/03/2008 1000							

Client Sample ID: AS-35 (2-4')

Lab Sample ID: 640-16847-40

Client Matrix: Solid

Date Sampled: 05/28/2008 0826

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-36 (0-1')

Lab Sample ID: 640-16847-41

Client Matrix: Solid

Date Sampled: 05/28/2008 0830

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-36 (1-2')

Lab Sample ID: 640-16847-42

Client Matrix: Solid

Date Sampled: 05/28/2008 0931

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-DUPE-05

Lab Sample ID: 640-16847-43

Client Matrix: Solid

Date Sampled: 05/28/2008 0000

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-36 (2-4)

Lab Sample ID: 640-16847-44

Client Matrix: Solid

Date Sampled: 05/28/2008 0832

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	86		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-37 (0-1')

Lab Sample ID: 640-16847-45

Client Matrix: Solid

Date Sampled: 05/28/2008 0838

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-37 (1-2')

Lab Sample ID: 640-16847-46

Client Matrix: Solid

Date Sampled: 05/28/2008 0839

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-37 (2-4')

Lab Sample ID: 640-16847-47

Client Matrix: Solid

Date Sampled: 05/28/2008 0840

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-38 (0-1')

Lab Sample ID: 640-16847-48

Client Matrix: Solid

Date Sampled: 05/28/2008 0848

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-38 (1-2')

Lab Sample ID: 640-16847-49

Client Matrix: Solid

Date Sampled: 05/28/2008 0849

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-38 (2-4')

Lab Sample ID: 640-16847-50

Client Matrix: Solid

Date Sampled: 05/28/2008 0850

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	85		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-39 (0-1')

Lab Sample ID: 640-16847-51

Client Matrix: Solid

Date Sampled: 05/28/2008 0854

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936		Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900					

Client Sample ID: AS-39 (1-2')

Lab Sample ID: 640-16847-52

Client Matrix: Solid

Date Sampled: 05/28/2008 0855

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936		Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900					

Client Sample ID: AS-39 (2-4')

Lab Sample ID: 640-16847-53

Client Matrix: Solid

Date Sampled: 05/28/2008 0856

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	83		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936		Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900					

Client Sample ID: AS-40 (0-1')

Lab Sample ID: 640-16847-54

Client Matrix: Solid

Date Sampled: 05/28/2008 0902

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936		Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900					

Client Sample ID: AS-40 (1-2')

Lab Sample ID: 640-16847-55

Client Matrix: Solid

Date Sampled: 05/28/2008 0901

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936		Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-40 (2-4')

Lab Sample ID: 640-16847-56

Client Matrix: Solid

Date Sampled: 05/28/2008 0900

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	86		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-41 (0-1')

Lab Sample ID: 640-16847-57

Client Matrix: Solid

Date Sampled: 05/28/2008 0925

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-41 (1-2')

Lab Sample ID: 640-16847-58

Client Matrix: Solid

Date Sampled: 05/28/2008 0926

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-41 (2-4')

Lab Sample ID: 640-16847-59

Client Matrix: Solid

Date Sampled: 05/28/2008 0927

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	84		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45936 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-42 (0-1')

Lab Sample ID: 640-16847-60

Client Matrix: Solid

Date Sampled: 05/28/2008 0935

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-42 (1-2')

Lab Sample ID: 640-16847-61

Client Matrix: Solid

Date Sampled: 05/28/2008 0936

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-42 (2-4')

Lab Sample ID: 640-16847-62

Client Matrix: Solid

Date Sampled: 05/28/2008 0937

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-43 (0-1')

Lab Sample ID: 640-16847-63

Client Matrix: Solid

Date Sampled: 05/28/2008 0940

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-DUPE-06

Lab Sample ID: 640-16847-64

Client Matrix: Solid

Date Sampled: 05/28/2008 0000

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-43 (1-2')

Lab Sample ID: 640-16847-65

Client Matrix: Solid

Date Sampled: 05/28/2008 0941

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-43 (2-4)

Lab Sample ID: 640-16847-66

Client Matrix: Solid

Date Sampled: 05/28/2008 0942

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-44 (0-1')

Lab Sample ID: 640-16847-67

Client Matrix: Solid

Date Sampled: 05/28/2008 0944

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-44 (1-2')

Lab Sample ID: 640-16847-68

Client Matrix: Solid

Date Sampled: 05/28/2008 0945

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-44 (2-4')

Lab Sample ID: 640-16847-69

Client Matrix: Solid

Date Sampled: 05/28/2008 0946

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-45 (0-1')

Lab Sample ID: 640-16847-70

Client Matrix: Solid

Date Sampled: 05/28/2008 0950

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-45 (1-2)

Lab Sample ID: 640-16847-71

Client Matrix: Solid

Date Sampled: 05/28/2008 0951

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-45 (2-4')

Lab Sample ID: 640-16847-72

Client Matrix: Solid

Date Sampled: 05/28/2008 0952

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	85		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-46 (0-1')

Lab Sample ID: 640-16847-73

Client Matrix: Solid

Date Sampled: 05/28/2008 0953

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-46 (1-2')

Lab Sample ID: 640-16847-74

Client Matrix: Solid

Date Sampled: 05/28/2008 0954

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-46 (2-4')

Lab Sample ID: 640-16847-75

Client Matrix: Solid

Date Sampled: 05/28/2008 0955

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	84		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-47 (0-1')

Lab Sample ID: 640-16847-76

Client Matrix: Solid

Date Sampled: 05/28/2008 0956

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-47 (1-2')

Lab Sample ID: 640-16847-77

Client Matrix: Solid

Date Sampled: 05/28/2008 0957

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-47 (2-4')

Lab Sample ID: 640-16847-78

Client Matrix: Solid

Date Sampled: 05/28/2008 0958

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-48 (0-1')

Lab Sample ID: 640-16847-79

Client Matrix: Solid

Date Sampled: 05/28/2008 1000

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45945 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 0900							

Client Sample ID: AS-48 (1-2')

Lab Sample ID: 640-16847-80

Client Matrix: Solid

Date Sampled: 05/28/2008 1001

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-48 (2-4')

Lab Sample ID: 640-16847-81

Date Sampled: 05/28/2008 1002

Client Matrix: Solid

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500							

Client Sample ID: AS-49 (0-1')

Lab Sample ID: 640-16847-82

Date Sampled: 05/28/2008 1016

Client Matrix: Solid

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500							

Client Sample ID: AS-49 (1-2')

Lab Sample ID: 640-16847-83

Date Sampled: 05/28/2008 1017

Client Matrix: Solid

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500							

Client Sample ID: AS-49 (2-4')

Lab Sample ID: 640-16847-84

Date Sampled: 05/28/2008 1018

Client Matrix: Solid

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500							

Client Sample ID: AS-50 (0-1')

Lab Sample ID: 640-16847-85

Date Sampled: 05/28/2008 1020

Client Matrix: Solid

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-DUPE-07

Lab Sample ID: 640-16847-86

Client Matrix: Solid

Date Sampled: 05/28/2008 0000

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994		Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500					

Client Sample ID: AS-50 (1-2')

Lab Sample ID: 640-16847-87

Client Matrix: Solid

Date Sampled: 05/28/2008 1021

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994		Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500					

Client Sample ID: AS-50 (2-4')

Lab Sample ID: 640-16847-88

Client Matrix: Solid

Date Sampled: 05/28/2008 1022

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	80		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994		Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500					

Client Sample ID: AS-51 (0-1')

Lab Sample ID: 640-16847-89

Client Matrix: Solid

Date Sampled: 05/28/2008 1024

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994		Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500					

Client Sample ID: AS-51 (1-2')

Lab Sample ID: 640-16847-90

Client Matrix: Solid

Date Sampled: 05/28/2008 1025

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	84		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994		Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-51 (2-4')

Lab Sample ID: 640-16847-91

Client Matrix: Solid

Date Sampled: 05/28/2008 1026

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	79		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500							

Client Sample ID: AS-52 (0-1')

Lab Sample ID: 640-16847-92

Client Matrix: Solid

Date Sampled: 05/28/2008 1028

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500							

Client Sample ID: AS-52 (1-2')

Lab Sample ID: 640-16847-93

Client Matrix: Solid

Date Sampled: 05/28/2008 1029

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500							

Client Sample ID: AS-52 (2-4')

Lab Sample ID: 640-16847-94

Client Matrix: Solid

Date Sampled: 05/28/2008 1030

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500							

Client Sample ID: AS-53 (0-1')

Lab Sample ID: 640-16847-95

Client Matrix: Solid

Date Sampled: 05/28/2008 1032

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	86		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-53 (1-2')

Lab Sample ID: 640-16847-96

Client Matrix: Solid

Date Sampled: 05/28/2008 1033

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500							

Client Sample ID: AS-53 (2-4')

Lab Sample ID: 640-16847-97

Client Matrix: Solid

Date Sampled: 05/28/2008 1034

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500							

Client Sample ID: AS-54 (0-1')

Lab Sample ID: 640-16847-98

Client Matrix: Solid

Date Sampled: 05/28/2008 1036

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500							

Client Sample ID: AS-54 (1-2')

Lab Sample ID: 640-16847-99

Client Matrix: Solid

Date Sampled: 05/28/2008 1037

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45994 Date Analyzed (Start) 06/03/2008 1900 (End) 06/04/2008 1500							

Client Sample ID: AS-54 (2-4')

Lab Sample ID: 640-16847-100

Client Matrix: Solid

Date Sampled: 05/28/2008 1038

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-55 (0-1')

Lab Sample ID: 640-16847-101
Client Matrix: Solid

Date Sampled: 05/28/2008 1040
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-55 (1-2')

Lab Sample ID: 640-16847-102
Client Matrix: Solid

Date Sampled: 05/28/2008 1041
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-55 (2-4')

Lab Sample ID: 640-16847-103
Client Matrix: Solid

Date Sampled: 05/28/2008 1042
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-56 (0-1')

Lab Sample ID: 640-16847-104
Client Matrix: Solid

Date Sampled: 05/28/2008 1102
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-56 (1-2')

Lab Sample ID: 640-16847-105
Client Matrix: Solid

Date Sampled: 05/28/2008 1103
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-56 (2-4')

Lab Sample ID: 640-16847-106

Client Matrix: Solid

Date Sampled: 05/28/2008 1104

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-57 (0-1')

Lab Sample ID: 640-16847-107

Client Matrix: Solid

Date Sampled: 05/28/2008 1105

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-57 (1-2')

Lab Sample ID: 640-16847-108

Client Matrix: Solid

Date Sampled: 05/28/2008 1106

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-DUPE-08

Lab Sample ID: 640-16847-109

Client Matrix: Solid

Date Sampled: 05/28/2008 0000

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-57 (2-4')

Lab Sample ID: 640-16847-110

Client Matrix: Solid

Date Sampled: 05/28/2008 1107

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-58 (0-1')

Lab Sample ID: 640-16847-111
Client Matrix: Solid

Date Sampled: 05/28/2008 1108
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-58 (1-2')

Lab Sample ID: 640-16847-112
Client Matrix: Solid

Date Sampled: 05/28/2008 1109
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-58 (2-4')

Lab Sample ID: 640-16847-113
Client Matrix: Solid

Date Sampled: 05/28/2008 1110
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	84		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-59 (0-1')

Lab Sample ID: 640-16847-114
Client Matrix: Solid

Date Sampled: 05/28/2008 1112
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-59 (1-2')

Lab Sample ID: 640-16847-115
Client Matrix: Solid

Date Sampled: 05/28/2008 1113
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-59 (2-4')

Lab Sample ID: 640-16847-116

Client Matrix: Solid

Date Sampled: 05/28/2008 1114

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-60 (0-1')

Lab Sample ID: 640-16847-117

Client Matrix: Solid

Date Sampled: 05/28/2008 1115

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-60 (1-2')

Lab Sample ID: 640-16847-118

Client Matrix: Solid

Date Sampled: 05/28/2008 1116

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-60 (2-4')

Lab Sample ID: 640-16847-119

Client Matrix: Solid

Date Sampled: 05/28/2008 1117

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	84		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-45997 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-61 (0-1')

Lab Sample ID: 640-16847-120

Client Matrix: Solid

Date Sampled: 05/28/2008 1118

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-61 (1-2')

Lab Sample ID: 640-16847-121
Client Matrix: Solid

Date Sampled: 05/28/2008 1119
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	83		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-61 (2-4')

Lab Sample ID: 640-16847-122
Client Matrix: Solid

Date Sampled: 05/28/2008 1120
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	74		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-62 (0-1')

Lab Sample ID: 640-16847-123
Client Matrix: Solid

Date Sampled: 05/28/2008 1122
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-62 (1-2')

Lab Sample ID: 640-16847-124
Client Matrix: Solid

Date Sampled: 05/28/2008 1123
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-62 (2-4')

Lab Sample ID: 640-16847-125
Client Matrix: Solid

Date Sampled: 05/28/2008 1124
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-63 (0-1')

Lab Sample ID: 640-16847-126
Client Matrix: Solid

Date Sampled: 05/28/2008 1130
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-63 (1-2')

Lab Sample ID: 640-16847-127
Client Matrix: Solid

Date Sampled: 05/28/2008 1131
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-63 (2-4')

Lab Sample ID: 640-16847-128
Client Matrix: Solid

Date Sampled: 05/28/2008 1132
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	84		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-64 (0-1')

Lab Sample ID: 640-16847-129
Client Matrix: Solid

Date Sampled: 05/28/2008 1302
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-64 (1-2')

Lab Sample ID: 640-16847-130
Client Matrix: Solid

Date Sampled: 05/28/2008 1303
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-DUPE-09

Lab Sample ID: 640-16847-131

Client Matrix: Solid

Date Sampled: 05/28/2008 0000

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001		Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500					

Client Sample ID: AS-64 (2-4')

Lab Sample ID: 640-16847-132

Client Matrix: Solid

Date Sampled: 05/28/2008 1304

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	85		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001		Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500					

Client Sample ID: AS-65 (0-1')

Lab Sample ID: 640-16847-133

Client Matrix: Solid

Date Sampled: 05/28/2008 1306

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001		Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500					

Client Sample ID: AS-65 (1-2')

Lab Sample ID: 640-16847-134

Client Matrix: Solid

Date Sampled: 05/28/2008 1307

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	87		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001		Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500					

Client Sample ID: AS-65 (2-4')

Lab Sample ID: 640-16847-135

Client Matrix: Solid

Date Sampled: 05/28/2008 1308

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	82		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001		Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-66 (0-1')

Lab Sample ID: 640-16847-136
Client Matrix: Solid

Date Sampled: 05/28/2008 1310
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-66 (1-2')

Lab Sample ID: 640-16847-137
Client Matrix: Solid

Date Sampled: 05/28/2008 1311
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-66 (2-4')

Lab Sample ID: 640-16847-138
Client Matrix: Solid

Date Sampled: 05/28/2008 1312
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	84		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-67 (0-1')

Lab Sample ID: 640-16847-139
Client Matrix: Solid

Date Sampled: 05/28/2008 1314
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46001 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-67 (1-2')

Lab Sample ID: 640-16847-140
Client Matrix: Solid

Date Sampled: 05/28/2008 1315
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	93		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-67 (2-4')

Lab Sample ID: 640-16847-141
Client Matrix: Solid

Date Sampled: 05/28/2008 1316
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-68 (0-1')

Lab Sample ID: 640-16847-142
Client Matrix: Solid

Date Sampled: 05/28/2008 1318
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-68 (1-2')

Lab Sample ID: 640-16847-143
Client Matrix: Solid

Date Sampled: 05/28/2008 1319
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	85		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-68 (2-4')

Lab Sample ID: 640-16847-144
Client Matrix: Solid

Date Sampled: 05/28/2008 1320
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	81		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-69 (0-1')

Lab Sample ID: 640-16847-145
Client Matrix: Solid

Date Sampled: 05/28/2008 1322
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-69 (1-2')

Lab Sample ID: 640-16847-146
Client Matrix: Solid

Date Sampled: 05/28/2008 1323
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	90		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-69 (2-4')

Lab Sample ID: 640-16847-147
Client Matrix: Solid

Date Sampled: 05/28/2008 1324
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	78		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-70 (0-1')

Lab Sample ID: 640-16847-148
Client Matrix: Solid

Date Sampled: 05/28/2008 1326
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	85		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-70 (1-2')

Lab Sample ID: 640-16847-149
Client Matrix: Solid

Date Sampled: 05/28/2008 1327
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	88		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-70 (2-4')

Lab Sample ID: 640-16847-150
Client Matrix: Solid

Date Sampled: 05/28/2008 1328
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	84		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-71 (0-1')

Lab Sample ID: 640-16847-151
Client Matrix: Solid

Date Sampled: 05/28/2008 1330
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	92		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-DUPE-10

Lab Sample ID: 640-16847-152
Client Matrix: Solid

Date Sampled: 05/28/2008 0000
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-71 (1-2')

Lab Sample ID: 640-16847-153
Client Matrix: Solid

Date Sampled: 05/28/2008 1331
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-71 (2-4')

Lab Sample ID: 640-16847-154
Client Matrix: Solid

Date Sampled: 05/28/2008 1332
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	89		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-72 (0-1')

Lab Sample ID: 640-16847-155
Client Matrix: Solid

Date Sampled: 05/28/2008 1334
Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	99		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-72 (1-2')

Lab Sample ID: 640-16847-156

Client Matrix: Solid

Date Sampled: 05/28/2008 1335

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	91		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007		Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500					

Client Sample ID: AS-72 (2-4')

Lab Sample ID: 640-16847-157

Client Matrix: Solid

Date Sampled: 05/28/2008 1336

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	80		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007		Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500					

Client Sample ID: AS-73 (0-1')

Lab Sample ID: 640-16847-158

Client Matrix: Solid

Date Sampled: 05/28/2008 1338

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	97		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007		Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500					

Client Sample ID: AS-73 (1-2')

Lab Sample ID: 640-16847-159

Client Matrix: Solid

Date Sampled: 05/28/2008 1339

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	96		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46007		Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500					

Client Sample ID: AS-73 (2-4')

Lab Sample ID: 640-16847-160

Client Matrix: Solid

Date Sampled: 05/28/2008 1340

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	95		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46011		Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500					

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

General Chemistry

Client Sample ID: AS-74 (0-1')

Lab Sample ID: 640-16847-161

Client Matrix: Solid

Date Sampled: 05/28/2008 1342

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	94		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46011 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-74 (1-2')

Lab Sample ID: 640-16847-162

Client Matrix: Solid

Date Sampled: 05/28/2008 1343

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	86		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46011 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

Client Sample ID: AS-74 (2-4')

Lab Sample ID: 640-16847-163

Client Matrix: Solid

Date Sampled: 05/28/2008 1344

Date Received: 05/29/2008 1153

Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Percent Solids	84		%	0.00010	0.00010	1.0	PercentMoisture
Any Batch: 640-46011 Date Analyzed (Start) 06/04/2008 1800 (End) 06/05/2008 1500							

DATA REPORTING QUALIFIERS

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Lab Section	Qualifier	Description
Metals		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

QUALITY CONTROL RESULTS

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Method Blank - Batch: 640-45838

Lab Sample ID: MB 640-45838/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/03/2008 1212
Date Prepared: 06/02/2008 1130

Analysis Batch: 640-45904
Prep Batch: 640-45838
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	1.0

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-45838

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-45838/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/03/2008 1216
Date Prepared: 06/02/2008 1130

Analysis Batch: 640-45904
Prep Batch: 640-45838
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.500 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-45838/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/03/2008 1218
Date Prepared: 06/02/2008 1130

Analysis Batch: 640-45904
Prep Batch: 640-45838
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.504 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	98	99	80 - 120	0	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 640-45838

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 640-16847-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/03/2008 1232
Date Prepared: 06/02/2008 1130

Analysis Batch: 640-45904
Prep Batch: 640-45838

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.509 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16847-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/03/2008 1233
Date Prepared: 06/02/2008 1130

Analysis Batch: 640-45904
Prep Batch: 640-45838

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.511 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	99	102	75 - 125	3	20		

Duplicate - Batch: 640-45838

Method: 6010B
Preparation: 3050B

Lab Sample ID: 640-16847-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/03/2008 1226
Date Prepared: 06/02/2008 1130

Analysis Batch: 640-45904
Prep Batch: 640-45838
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.507 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	1.0	0.832	22	20	I

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Method Blank - Batch: 640-45860

Lab Sample ID: MB 640-45860/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1246
Date Prepared: 06/02/2008 1430

Analysis Batch: 640-45982
Prep Batch: 640-45860
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.501 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	1.0

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-45860

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-45860/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1248
Date Prepared: 06/02/2008 1430

Analysis Batch: 640-45982
Prep Batch: 640-45860
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.504 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-45860/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1250
Date Prepared: 06/02/2008 1430

Analysis Batch: 640-45982
Prep Batch: 640-45860
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	97	97	80 - 120	1	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 640-45860

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 640-16847-20
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1256
Date Prepared: 06/02/2008 1430

Analysis Batch: 640-45982
Prep Batch: 640-45860

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.569 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16847-20
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1257
Date Prepared: 06/02/2008 1430

Analysis Batch: 640-45982
Prep Batch: 640-45860

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.569 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	93	94	75 - 125	0	20		

Duplicate - Batch: 640-45860

Method: 6010B
Preparation: 3050B

Lab Sample ID: 640-16847-20
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1254
Date Prepared: 06/02/2008 1430

Analysis Batch: 640-45982
Prep Batch: 640-45860
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.512 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	1.8	2.58	35	20	

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Method Blank - Batch: 640-45886

Lab Sample ID: MB 640-45886/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1353
Date Prepared: 06/03/2008 1200

Analysis Batch: 640-45988
Prep Batch: 640-45886
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	1.0

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-45886

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-45886/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1355
Date Prepared: 06/03/2008 1200

Analysis Batch: 640-45988
Prep Batch: 640-45886
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.501 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-45886/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1357
Date Prepared: 06/03/2008 1200

Analysis Batch: 640-45988
Prep Batch: 640-45886
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.504 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	99	103	80 - 120	4	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 640-45886

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 640-16847-40
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1409
Date Prepared: 06/03/2008 1200

Analysis Batch: 640-45988
Prep Batch: 640-45886

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.557 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16847-40
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1411
Date Prepared: 06/03/2008 1200

Analysis Batch: 640-45988
Prep Batch: 640-45886

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.586 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	99	97	75 - 125	7	20		

Duplicate - Batch: 640-45886

Method: 6010B
Preparation: 3050B

Lab Sample ID: 640-16847-40
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1407
Date Prepared: 06/03/2008 1200

Analysis Batch: 640-45988
Prep Batch: 640-45886
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.570 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	1.4	1.32	6	20	

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Method Blank - Batch: 640-45899

Lab Sample ID: MB 640-45899/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1508
Date Prepared: 06/04/2008 0800

Analysis Batch: 640-46030
Prep Batch: 640-45899
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	1.0

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-45899

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-45899/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1631
Date Prepared: 06/04/2008 0800

Analysis Batch: 640-46030
Prep Batch: 640-45899
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.500 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-45899/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1638
Date Prepared: 06/04/2008 0800

Analysis Batch: 640-46030
Prep Batch: 640-45899
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.501 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	101	103	80 - 120	2	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 640-45899

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 640-16847-60
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1918
Date Prepared: 06/04/2008 0800

Analysis Batch: 640-46030
Prep Batch: 640-45899

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.523 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16847-60
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1925
Date Prepared: 06/04/2008 0800

Analysis Batch: 640-46030
Prep Batch: 640-45899

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.528 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	101	103	75 - 125	0	20		

Duplicate - Batch: 640-45899

Method: 6010B
Preparation: 3050B

Lab Sample ID: 640-16847-60
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1912
Date Prepared: 06/04/2008 0800

Analysis Batch: 640-46030
Prep Batch: 640-45899
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.530 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	0.22	0.519	66	20	I

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Method Blank - Batch: 640-45902

Lab Sample ID: MB 640-45902/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1510
Date Prepared: 06/04/2008 1015

Analysis Batch: 640-46030
Prep Batch: 640-45902
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	1.0

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-45902

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-45902/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1937
Date Prepared: 06/04/2008 1015

Analysis Batch: 640-46030
Prep Batch: 640-45902
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.500 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-45902/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1943
Date Prepared: 06/04/2008 1015

Analysis Batch: 640-46030
Prep Batch: 640-45902
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.504 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	104	104	80 - 120	1	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 640-45902

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 640-16847-80
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1305
Date Prepared: 06/04/2008 1015

Analysis Batch: 640-46045
Prep Batch: 640-45902

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.579 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16847-80
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1306
Date Prepared: 06/04/2008 1015

Analysis Batch: 640-46045
Prep Batch: 640-45902

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.596 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	92	93	75 - 125	2	20		

Duplicate - Batch: 640-45902

Method: 6010B
Preparation: 3050B

Lab Sample ID: 640-16847-80
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1303
Date Prepared: 06/04/2008 1015

Analysis Batch: 640-46045
Prep Batch: 640-45902
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.595 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	3.1	2.29	29	20	

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Method Blank - Batch: 640-45932

Lab Sample ID: MB 640-45932/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1511
Date Prepared: 06/04/2008 1200

Analysis Batch: 640-46030
Prep Batch: 640-45932
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	1.0

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-45932

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-45932/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1342
Date Prepared: 06/04/2008 1200

Analysis Batch: 640-46055
Prep Batch: 640-45932
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.500 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-45932/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1345
Date Prepared: 06/04/2008 1200

Analysis Batch: 640-46055
Prep Batch: 640-45932
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.501 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	96	97	80 - 120	1	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 640-45932

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 640-16847-100
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1357
Date Prepared: 06/04/2008 1200

Analysis Batch: 640-46055
Prep Batch: 640-45932

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.552 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16847-100
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1358
Date Prepared: 06/04/2008 1200

Analysis Batch: 640-46055
Prep Batch: 640-45932

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.556 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	94	96	75 - 125	1	20		

Duplicate - Batch: 640-45932

Method: 6010B
Preparation: 3050B

Lab Sample ID: 640-16847-100
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1355
Date Prepared: 06/04/2008 1200

Analysis Batch: 640-46055
Prep Batch: 640-45932
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.546 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	0.55	I	0.744	30	20	I

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Method Blank - Batch: 640-45933

Lab Sample ID: MB 640-45933/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/05/2008 1513
Date Prepared: 06/04/2008 1200

Analysis Batch: 640-46030
Prep Batch: 640-45933
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	1.0

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-45933

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-45933/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1446
Date Prepared: 06/04/2008 1200

Analysis Batch: 640-46057
Prep Batch: 640-45933
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.500 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-45933/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1448
Date Prepared: 06/04/2008 1200

Analysis Batch: 640-46057
Prep Batch: 640-45933
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.504 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	94	95	80 - 120	1	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 640-45933

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 640-16847-120
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1455
Date Prepared: 06/04/2008 1200

Analysis Batch: 640-46057
Prep Batch: 640-45933

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.599 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16847-120
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1457
Date Prepared: 06/04/2008 1200

Analysis Batch: 640-46057
Prep Batch: 640-45933

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.599 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	93	95	75 - 125	2	20		

Duplicate - Batch: 640-45933

Method: 6010B
Preparation: 3050B

Lab Sample ID: 640-16847-120
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1453
Date Prepared: 06/04/2008 1200

Analysis Batch: 640-46057
Prep Batch: 640-45933
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.585 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	0.20	U	0.218	NC	20	I

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Method Blank - Batch: 640-45943

Lab Sample ID: MB 640-45943/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1623
Date Prepared: 06/05/2008 1125

Analysis Batch: 640-46062
Prep Batch: 640-45943
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.500 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	1.0

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-45943

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-45943/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1625
Date Prepared: 06/05/2008 1125

Analysis Batch: 640-46062
Prep Batch: 640-45943
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-45943/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1627
Date Prepared: 06/05/2008 1125

Analysis Batch: 640-46062
Prep Batch: 640-45943
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.501 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	95	97	80 - 120	2	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 640-45943

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 640-16847-149
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1656
Date Prepared: 06/05/2008 1125

Analysis Batch: 640-46062
Prep Batch: 640-45943

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.586 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16847-149
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1657
Date Prepared: 06/05/2008 1125

Analysis Batch: 640-46062
Prep Batch: 640-45943

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.580 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	97	96	75 - 125	0	20		

Duplicate - Batch: 640-45943

Method: 6010B
Preparation: 3050B

Lab Sample ID: 640-16847-149
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/06/2008 1654
Date Prepared: 06/05/2008 1125

Analysis Batch: 640-46062
Prep Batch: 640-45943
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.583 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	0.84	I	0.768	9	20	I

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Method Blank - Batch: 640-46027

Lab Sample ID: MB 640-46027/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/09/2008 1513
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46113
Prep Batch: 640-46027
Units: mg/Kg

Method: 6010B Preparation: 3050B

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.502 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	0.22	U	0.22	1.0

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-46027

Method: 6010B Preparation: 3050B

LCS Lab Sample ID: LCS 640-46027/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/09/2008 1515
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46113
Prep Batch: 640-46027
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.501 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-46027/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/09/2008 1516
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46113
Prep Batch: 640-46027
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.504 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	97	100	80 - 120	3	20		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16847-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 640-46027

Method: 6010B
Preparation: 3050B

MS Lab Sample ID: 640-16847-160
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/09/2008 1530
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46113
Prep Batch: 640-46027

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.538 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 640-16847-160
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/09/2008 1532
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46113
Prep Batch: 640-46027

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.545 g
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	98	97	75 - 125	2	20		

Duplicate - Batch: 640-46027

Method: 6010B
Preparation: 3050B

Lab Sample ID: 640-16847-160
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 06/09/2008 1521
Date Prepared: 06/06/2008 1200

Analysis Batch: 640-46113
Prep Batch: 640-46027
Units: mg/Kg

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 0.542 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	0.34	I	0.331	4	20	I

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

TestAmerica

30M42341 FYLNWNOBLEAKS IN A BOWT SHAL

Client Information			Lab PM: Preston, Tim			Carrier Tracking No(s):			COC No: 6400-8300 9		
Client Contact: Ms. Alicia Odum			Phone: 850-656-1293			E-Mail: timothy.preston@testamericainc.com			Page 9 of 38		
Company: MACTEC Engineering and Consulting Inc			Due Date Requested:			Analysis Requested			STL Job #: 1640-16847		
Address: 2533 Greer Road Suite 6			City: Tallahassee			State, Zip: FL 32308			Phone: 850-656-1293(Tel)		
Email: akodom@mactec.com			Project #: 64000919			SSOW#:			Preservation Codes:		
Rinker Property			Matrix (W=water, G=grab, B=solid, O=wastewater, BT=trace, A=air)			Sample Type (C=comp, G=grab)			Sample Date		
Site:			Sample Time			Sample Date			Sample Identification		
AS-23 (0-1')			1535			G			S		
AS-23 (1-2')			1536			G			S		
AS-23 (2-4')			1537			G			S		
AS-24 (0-1')			1540			G			S		
AS-24 (1-2')			1541			G			S		
AS-24 (2-4')			1542			G			S		
AS-25 (0-1')			1544			G			S		
AS-25 (1-2')			1545			G			S		
AS-25 (2-4')			1546			G			S		
AS-26 (0-1')			1550			G			S		
AS-26 (1-2')			1551			G			S		
Possible Hazard Identification			Poison B			Unknown			Radiological		
Non-Hazard			Flammable			Skin Irritant			Deliverable Requested: I, II, III, IV, Other (specify)		
Empty Kit Relinquished by: A. V. Nicholas			Date: 5-20-08			Company			Time: 1345		
Relinquished by: Tim Budka			Date/Time: 5/20/08 1430			Company			Date/Time: 5/20/08 0850		
Relinquished by:			Date/Time:			Company			Date/Time:		
Relinquished by:			Date/Time:			Company			Date/Time:		
Custody Seal Intact: Yes			Custody Seal No: 5.00			Custody Seal No: 4.71			Custody Seal No: 5.60		

Chain of Custody Record

Client Information Client Contact: Ms. Alicia Odom Company: MACTEC Engineering and Consulting Inc. Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293 (Tel) Email: akodom@macotec.com Project Name: Rinker Property Site:		Sample: <i>Jim Burkh</i> Lab Pkt: Preston, Tim Phone: 850-656-1293 E-Mail: timothy.preston@testamericainc.com		COC No: 640-9300 10 Page: 10 of 38 STL Job #: 640-10847	
Due Date Requested: TAT Requested (days): PO #: APO# WO #: Project # 64000919 SOW#:		Analysis Requested Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Anchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4.5 L - EDA Z - other (specify) Other:			
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, B=soil, O=vegetation, BT=tissue, A=air)		Special Instructions/Note:			
AS-26 (2-4) AS-27 (0-1) AS-27 (1-2) AS-27 (2-4) AS-28 (0-1) AS-28 (1-2) AS-28 (2-4) AS-29 (0-1) AS-29 (1-2) AS-29 (2-4) AS-Dupe-04		5/27/08 1552 G S 1555 I 1556 I 1557 I 1610 I 1611 I 1612 I 1620 I 1621 I 1622 I -		6010B - Arsenic 8270C - TCL 6010B - Arsenic 8260B - TCL	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/OC Requirements:			
Empty Kit Relinquished by: <i>H.V. Walker</i> Relinquished by: <i>Jim Burkh</i> Relinquished by:		Date: 5/20/08 Date/Time: 5/28/08 1430 Date/Time:		Method of Shipment:	
Custody Seal Intact: ☒ Yes ☐ No		Company:			

Chain of Custody Record

Client Information Client Contact: <u>Ms. Alicia Odom</u> Phone: <u>850-656-1293</u> Email: <u>timothy.preston@testamericainc.com</u>		Lab P/N: <u>Preston, Tim</u> E-Mail: <u>timothy.preston@testamericainc.com</u>		Camera Tracking Net(s): COC No: <u>640-9300.11</u> Page: <u>11 of 38</u>	
Company: <u>MACTEC Engineering and Consulting Inc</u> Address: <u>2533 Greer Road Suite 6</u> City: <u>Tallahassee</u> State: <u>FL</u> Zip: <u>32308</u> Phone: <u>850-656-1293(Tel)</u> Email: <u>akodom@mactec.com</u> Project Name: <u>Rinker Property</u> Site:		Due Date Requested: TAT Requested (days): PO #: <u>64000919</u> APO #: <u>SSOW#</u> Project #: <u>64000919</u> SSO#:		Analysis Requested STL Job #: <u>1040-10847</u>	
Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		Preservation Codes: M - Hexane N - None O - ASNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)		Special Instructions/Note:	
Sample Identification Sample ID: <u>AS-30 (0-1)</u> Sample Type: <u>(C=comp, G=grab)</u> Sample Date: <u>5/27/08</u> Sample Time: <u>1625</u> Matrix: <u>S</u>		Sample ID: <u>AS-30 (1-2)</u> Sample Type: <u>(C=comp, G=grab)</u> Sample Date: <u>5/27/08</u> Sample Time: <u>1626</u> Matrix: <u>S</u>		Sample ID: <u>AS-30 (2-4)</u> Sample Type: <u>(C=comp, G=grab)</u> Sample Date: <u>5/27/08</u> Sample Time: <u>1627</u> Matrix: <u>S</u>	
Sample ID: <u>AS-31 (0-1)</u> Sample Type: <u>(C=comp, G=grab)</u> Sample Date: <u>5/27/08</u> Sample Time: <u>1632</u> Matrix: <u>S</u>		Sample ID: <u>AS-31 (1-2)</u> Sample Type: <u>(C=comp, G=grab)</u> Sample Date: <u>5/27/08</u> Sample Time: <u>1633</u> Matrix: <u>S</u>		Sample ID: <u>AS-31 (2-4)</u> Sample Type: <u>(C=comp, G=grab)</u> Sample Date: <u>5/27/08</u> Sample Time: <u>1634</u> Matrix: <u>S</u>	
Sample ID: <u>AS-32 (0-1)</u> Sample Type: <u>(C=comp, G=grab)</u> Sample Date: <u>5/27/08</u> Sample Time: <u>1645</u> Matrix: <u>S</u>		Sample ID: <u>AS-32 (1-2)</u> Sample Type: <u>(C=comp, G=grab)</u> Sample Date: <u>5/27/08</u> Sample Time: <u>1646</u> Matrix: <u>S</u>		Sample ID: <u>AS-32 (2-4)</u> Sample Type: <u>(C=comp, G=grab)</u> Sample Date: <u>5/27/08</u> Sample Time: <u>1647</u> Matrix: <u>S</u>	
Sample ID: <u>AS-33 (0-1)</u> Sample Type: <u>(C=comp, G=grab)</u> Sample Date: <u>5/27/08</u> Sample Time: <u>1703</u> Matrix: <u>S</u>		Sample ID: <u>AS-33 (1-2)</u> Sample Type: <u>(C=comp, G=grab)</u> Sample Date: <u>5/27/08</u> Sample Time: <u>1704</u> Matrix: <u>S</u>		Sample ID: <u>AS-33 (2-4)</u> Sample Type: <u>(C=comp, G=grab)</u> Sample Date: <u>5/27/08</u> Sample Time: <u>1704</u> Matrix: <u>S</u>	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months		Special Instructions/QC Requirements:	
Supply Kit Relinquished by: <u>H.V. welcome</u> Date: <u>5-20-08</u> Time: <u>1345</u>		Relinquished by: <u>Tim Preston</u> Date/Time: <u>5/29/08 0850</u>		Relinquished by: <u>Tim Preston</u> Date/Time: <u>5/29/08 0850</u>	
Relinquished by: <u>Tim Preston</u> Date/Time: <u>5/29/08 1430</u>		Relinquished by: <u>Tim Preston</u> Date/Time: <u>5/29/08 1430</u>		Relinquished by: <u>Tim Preston</u> Date/Time: <u>5/29/08 1430</u>	
Custody Seals Intact: <u>A. Yes A. No</u>		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks:	

Chain of Custody Record

Client Information Client Contact: Ms. Alicia Odom Phone: 850-656-1293 Email: timothy.preston@testamericainc.com		Lab Pmt: Preston, Tim E-Mail:		Carrier Tracking No(s):		COC No: 840-9300.12 Page: 12 of 38			
Company: MACTEC Engineering and Consulting Inc Address: 2533 Greer Road Suite 5 City: Tallahassee State: FL 32308 Phone: 850-656-1293(Tel) Email: akodom@mactec.com Project Name: Rinker Property Site:				Analysis Requested Due Date Requested: TAT Requested (days): PO #: APO# WO #: Project # 64000919 SOW#:				STL Job # 1640-16847	
Sample Identification Sample ID: AS-33 (2-4) AS-34 (0-1) AS-34 (1-2) AS-34 (2-4) AS-35 (0-1) AS-35 (1-2) AS-35 (2-4) AS-36 (0-1) AS-36 (1-2) AS-Dupe-05 AS-36 (2-4)		Sample Date 5/27/08 5/28/08 5/28/08 5/28/08 5/28/08 5/28/08 5/28/08 5/28/08 5/28/08 5/28/08	Sample Time 1705 0815 0816 0817 0824 0825 0826 0830 0831 - 0832	Sample Type (C=comp, G=grab) G 	Matrix (W=water, S=solid, O=wastewater, BT=biological, A=air) S 	Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsnO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)		Special Instructions/Note: 6010B - Arsenic 8270C - TCL 6010B - Arsenic 8260B - TCL	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological									
Deliverable Requested: I, II, III, IV, Other (specify)									
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months									
Special Instructions/QC Requirements:									
Ship Kit Relinquished by: H.V. Wilcox		Date: 5/20/08		Time: 1345		Method of Shipment:			
Relinquished by: Tim Bullock		Date/Time: 5/29/08		Company:		Date/Time: 0850			
Relinquished by:		Date/Time:		Company:		Date/Time:			
Relinquished by:		Date/Time:		Company:		Date/Time:			
Custody Seals Intact: Yes ☒ No ☐		Custody Seal No.		Cover Temperature: °C and Other Remarks:		Company:			

Chain of Custody Record

Client Information Client Contact: Ms. Alicia Odum Phone: 850-656-1293 Email: timothy.preston@testamericainc.com		Lab Pmt: Preston, Tim E-Mail: timothy.preston@testamericainc.com		Carrier Tracking No(s): 840-9300 13		COC No: 840-9300 13	
Company: MACTEC Engineering and Consulting Inc. Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293(Tel) Email: akodom@mactec.com Project Name: Rinker Property Site:		Due Date Requested: TAT Requested (days): PO #: APO #: WO #: Project #: 84000919 SSOW#:		Analysis Requested 8260B - TCL 6010B - Arsenic 8270C - TCL 6010B - Arsenic		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Sample Identification Sample ID: AS-37 (0-1') Sample ID: AS-37 (1-2') Sample ID: AS-37 (2-4') Sample ID: AS-38 (0-1') Sample ID: AS-38 (1-2') Sample ID: AS-38 (2-4') Sample ID: AS-39 (0-1') Sample ID: AS-39 (1-2') Sample ID: AS-39 (2-4') Sample ID: AS-40 (0-1') Sample ID: AS-40 (1-2')		Sample Date: 5/28/08 Sample Time: 0838 Sample Type: C Matrix: S		Special Instructions/Note:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements		Empty Kit Relinquished by: H.V. White Relinquished by: Jan Brubaker Relinquished by:	
Date: 5/20/08 Date/Time: 5/28/08 1430		Date: 5/20/08 Date/Time:		Date: 5/20/08 Date/Time:		Date: 5/20/08 Date/Time:	
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Client Information Client Contact: Ms. Alicia Odum Phone: 850-656-1293 Email: timothy.preston@resiamericaninc.com		Lab PM: Preston, Tim E-Mail: timothy.preston@resiamericaninc.com		Carrier Tracking No(s): 640-9300.14 Page: 14 of 38 STL Job #: 640-16847																																																													
Company: MACTEC Engineering and Consulting Inc. Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293 (Tel) Email: alokodom@macdec.com Project Name: Rinker Property Site:																																																																	
Due Date Requested: TAT Requested (days): PO #: APO # WO #: Project #: 64000919 SSOW#:																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Sample Identification</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=comp, G=grab)</th> <th>Matrix (W=water, B=soil, O=water, A=air)</th> </tr> </thead> <tbody> <tr> <td>AS-40 (2-4)</td> <td>5/28/08</td> <td>0900</td> <td>G</td> <td>S</td> </tr> <tr> <td>AS-41 (0-1)</td> <td></td> <td>0925</td> <td></td> <td></td> </tr> <tr> <td>AS-41 (1-2)</td> <td></td> <td>0926</td> <td></td> <td></td> </tr> <tr> <td>AS-41 (2-4)</td> <td></td> <td>0927</td> <td></td> <td></td> </tr> <tr> <td>AS-42 (0-1)</td> <td></td> <td>0935</td> <td></td> <td></td> </tr> <tr> <td>AS-42 (1-2)</td> <td></td> <td>0936</td> <td></td> <td></td> </tr> <tr> <td>AS-42 (2-4)</td> <td></td> <td>0937</td> <td></td> <td></td> </tr> <tr> <td>AS-43 (0-1)</td> <td></td> <td>0940</td> <td></td> <td></td> </tr> <tr> <td>AS- Dupl - 06</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AS-43 (1-2)</td> <td></td> <td>0941</td> <td></td> <td></td> </tr> <tr> <td>AS-43 (2-4)</td> <td></td> <td>0942</td> <td></td> <td></td> </tr> </tbody> </table>						Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, B=soil, O=water, A=air)	AS-40 (2-4)	5/28/08	0900	G	S	AS-41 (0-1)		0925			AS-41 (1-2)		0926			AS-41 (2-4)		0927			AS-42 (0-1)		0935			AS-42 (1-2)		0936			AS-42 (2-4)		0937			AS-43 (0-1)		0940			AS- Dupl - 06					AS-43 (1-2)		0941			AS-43 (2-4)		0942		
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Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological																																																																	
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Special Instructions/Note:																																																																	
Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 X - other (specify) Other:																																																																	

Chain of Custody Record

TestAmerica Tallahassee
2846 Industrial Plaza Drive
Tallahassee, FL 32301
Phone (850) 878-3984 Fax (850) 878-9504

Client Information		Sampier: <u>Jim Burkhardt</u>		Lab Piv: <u>Preston, Tim</u>		Carrier Tracking No(s):		COC No: <u>640-9300.15</u>	
Client Contact: Ms. Alicia Odum		Phone: <u>850-656-1243</u>		E-Mail: <u>timothy.preston@testamerica.com</u>		Page 15 of 38		STL Job #: <u>1940-10847</u>	
Company: <u>MACTEC Engineering and Consulting Inc</u>		Due Date Requested:		Analysis Requested		Preservation Codes:		Special Instructions/Note:	
Address: <u>2533 Greer Road Suite 6</u>		TAT Requested (days):		8260B - TCL		A - HCL			
City: <u>Tallahassee</u>				8270C - TCL		B - NaOH			
State, Zip: <u>FL, 32308</u>				6010B - Arsenic		C - Zn Acetate			
Phone: <u>850-656-1293(Tel)</u>				6010B - Arsenic		D - Nitric Acid			
Email: <u>akodom@mactec.com</u>						E - NaHSO4			
Project Name: <u>Rinker Property</u>						F - MeOH			
Site: <u></u>						G - Amchlor			
						H - Ascorbic Acid			
						I - Ice			
						J - Di Water			
						K - EDTA			
						L - EDA			
						Other:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=other)	8260B - TCL	8270C - TCL	6010B - Arsenic	6010B - Arsenic	Special Instructions/Note:
AS-44 (0-1')	5/21/08	0944	G	S			X		
AS-44 (1-2')		0945					X		
AS-44 (2-4')		0946					X		
AS-45 (0-1')		0950					X		
AS-45 (1-2')		0951					X		
AS-45 (2-4')		0952					X		
AS-46 (0-1')		0953					X		
AS-46 (1-2')		0954					X		
AS-46 (2-4')		0955					X		
AS-47 (0-1')		0956					X		
AS-47 (1-2')		0957					X		

Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
☐ Non-Hazard	☐ Flammable	☐ Return To Client	☐ Disposal By Lab
☐ Skin Irritant	☐ Poison B	☐ Archive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)			

Empty Kit Relinquished by:		Date:	
Relinquished by: <u>Jim Burkhardt</u>	Date/Time: <u>5/21/08 1430</u>	Company: <u>ATC</u>	Date/Time: <u>5/21/08 0850</u>
Relinquished by:	Date/Time:	Company:	Date/Time:
Relinquished by:	Date/Time:	Company:	Date/Time:

Custody Seal No. <u>1</u>	Custody Seal No. <u>2</u>	Custody Seal No. <u>3</u>	Custody Seal No. <u>4</u>
Yes ☐ No ☐	Yes ☐ No ☐	Yes ☐ No ☐	Yes ☐ No ☐

Chain of Custody Record

Client Information Client Contact: Ms. Alicia Odum Phone: 850-656-1293 E-Mail: timothy.preston@testamericainc.com		Lab Pk: Preston, Tim E-Mail: timothy.preston@testamericainc.com		Carrier Tracking Note: COC No: 840-9300.16 Page: 16 of 38																																																																																																																																					
Company: MACTEC Engineering and Consulting Inc. Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293(Tel) Email: akodom@macotec.com Project Name: Rinkar Property Site:		Due Date Requested: TAT Requested (days): PO #: APO# WO #: Project #: 84000919 SSOW#:		Analysis Requested STL Job #: 1640-16847																																																																																																																																					
Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		M - Hexane N - None O - AsnO2 P - Na2O4S Q - Na2SO3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecalhydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)		Special Instructions/Note:																																																																																																																																					
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Custody Seal Intact: Yes A No Custer Seal No:																																																																																																																																									

Chain of Custody Record

Client Information Client Contact: Ms. Alicia Odum Company: MAC/TEC Engineering and Consulting Inc. Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293 (Tel) Email: akodom@macotec.com Project Name: Rinker Property Site:		Sampler: <i>Tom Barkha</i> Lab PM: Preston, Tim Phone: 850-656-1293 E-Mail: timothy.preston@testamericainc.com		COC No: 640-9300.17 Page: 17 of 38 STL Job #: 940-10847	
Due Date Requested: TAT Requested (days): PO #: APO #: WO #: Project #: B4000919 SSO #: Site:		Analysis Requested Preservation Codes: A - HCl B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)			
Sample Identification Sample ID Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=soil, BT=leachate, A=air)		Special Instructions/Note: 6010B - Arsenic 8270C - TCL 6010B - Arsenic 8260B - TCL			
AS-51 (0-1') AS-51 (1-2') AS-51 (2-4') AS-52 (0-1') AS-52 (1-2') AS-52 (2-4') AS-53 (0-1') AS-53 (1-2') AS-53 (2-4') AS-54 (0-1') AS-54 (1-2')		5/28/08 1024 G S 1025 1026 1028 1029 1030 1032 1033 1034 1036 1037			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Method of Shipment:			
Relinquished by: <i>Tom Barkha</i> Date/Time: 5/28/08 1430 Company:		Received by: <i>ATL</i> Date/Time: 5/29/08 0850 Company:			
Relinquished by:		Received by:			
Relinquished by:		Received by:			
Custody Seal Intact: Yes ☒ No ☐		Cooler Temperature (°C and Other Remarks)			

Client Information		Sampler: <u>Jim Butts</u>		Lab PM: <u>Preston, Tim</u>		Carrier Tracking No(s):	
Client Contact: Ms. Alicia Odom		Phone: <u>850-656-1293</u>		E-Mail: <u>jtimothy.preston@lestamericalnc.com</u>		COC No: <u>640-9300, 18</u>	
Company: MACTEC Engineering and Consulting Inc.						Page <u>18 of 38</u>	
Address: 2533 Greer Road Suite 6		Due Date Requested:		STL Job #: <u>640-10847</u>		Preservation Codes:	
City: Tallahassee		TAT Requested (days):				A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsMaO2 D - Nitric Acid P - Na2SO4 E - NaHSO4 F - MeOH G - Anchor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Z - other (specify)	
State, Zip: FL, 32308		PO #:				Other:	
Phone: 850-656-1293(Tel)		APO#					
Email: akodom@mactec.com		WC #:					
Project Name: Rinker Property		Project #: 64000919					
Site:		SSOW#:					

Sample Identification				Analysis Requested				Special Instructions/Note:			
Sample ID	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, Q=soil, B=tissue, A=air)	6260B - TCL	6010B - Arsenic	8270C - TCL	6010B - Arsenic	6260B - TCL	6010B - Arsenic	Special Instructions/Note:
<u>AS-54 (2-4-)</u>	<u>5/28/08</u>	<u>1038</u>	<u>G</u>	<u>S</u>			X				
<u>AS-55 (0-1-)</u>		<u>1040</u>					X				
<u>AS-55 (1-2-)</u>		<u>1041</u>					X				
<u>AS-55 (2-4-)</u>		<u>1042</u>					X				
<u>AS-56 (0-1-)</u>		<u>1102</u>					X				
<u>AS-56 (1-2-)</u>		<u>1103</u>					X				
<u>AS-56 (2-4-)</u>		<u>1104</u>					X				
<u>AS-57 (0-1-)</u>		<u>1105</u>					X				
<u>AS-57 (1-2-)</u>		<u>1106</u>					X				
<u>AS-57 (2-4-)</u>		<u>-</u>					X				
<u>AS-57 (2-4-)</u>		<u>1107</u>					X				

Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☐ Unknown	☐ Radiological	☐ Return To Client	☐ Disposal By Lab
Deliverable Requested: I, II, III, IV, Other (specify)				Archive For _____ Months			
Empty Kit Relinquished by:				Method of Shipment:			
Relinquished by: <u>Jim Butts</u>		Date: <u>5/28/08</u>		Received by: <u>[Signature]</u>		Date/Time: <u>5/29/08 0830</u>	
Relinquished by:		Date/Time:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Received by:		Date/Time:	

Custody Seals Intact:		Custody Seal No:	
A Yes	A No		

Client Information Client Contact: Mrs. Alicia Odum Company: MACTEC Engineering and Consulting Inc. Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293 (Tel) Email: akodom@mactec.com Project Name: Rinker Property Site:		Lab PM: Preston, Tim E-Mail: timothy.preston@lestamerica.com Phone: 850-656-1293 Due Date Requested: TAT Requested (days): PO #: APO #: WO #: Project #: SSOW #:		Carrier Tracking No(s): COC No: 640-9300.19 Page: 19 of 38 STL Job #: 1040-16847							
Analysis Requested		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)		Special Instructions/Note:							
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, B=solid, O=wood, BT=Tissue, A=Air)		Analysis Results	
AS-58 (0-1')		5/28/08		1108		G		S		8260B - TCL 6010B - Arsenic 8270C - TCL 6010B - Arsenic	
AS-58 (1-2')				1109							
AS-58 (2-4')				1110							
AS-59 (0-1')				1112							
AS-59 (1-2')				1113							
AS-59 (2-4')				1114							
AS-60 (0-1')				1115							
AS-60 (1-2')				1116							
AS-60 (2-4')				1117							
AS-61 (0-1')				1118							
AS-61 (1-2')				1119							
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months		Special Instructions/QC Requirements:		Method of Shipment:		Received by:	
Relinquished by: Tim Burkholder Date: 5/28/08 1430		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:	
Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:	
Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:	
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Chain of Custody Record

Client Information Client Contact: Ms. Alicia Odom Company: MAC/TEC Engineering and Consulting Inc. Address: 2533 Greer Road Suite 6 City: Tallahassee State, Zip: FL, 32308 Phone: 850-656-1293 (Tel) Email: akodom@mactec.com Project Name: Rinker Property Site:		Sampler: <u>Jan Bnduh</u> Lab PM: Preston, Tim Phone: 850-656-1293 E-Mail: timothy.preston@testamericainc.com		Carrier Tracking No(s): COC No: 840-9300.20 Page: Page 20 of 38 STL Job #: 1040-10841	
Due Date Requested: TAT Requested (days): PO #: APO # WO #: Project #: 64000919 SSOW #:		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)			
Sample Identification Sample ID Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=water/soil, BT=Trace, A=Air)		Special Instructions/Note: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements:			
AS-61 (2-4) AS-62 (0-1) AS-62 (1-2) AS-62 (2-4) AS-63 (0-1) AS-63 (1-2) AS-63 (2-4) AS-64 (0-1) AS-64 (1-2) AS-Dupc-09 AS-64 (2-4)		5/28/08 1120 G S 5/28/08 1122 G S 5/28/08 1123 G S 5/28/08 1124 G S 5/28/08 1130 G S 5/28/08 1131 G S 5/28/08 1132 G S 5/28/08 1302 G S 5/28/08 1303 G S 5/28/08 1304 G S			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Empty Kit Relinquished by: _____ Date: _____ Relinquished by: <u>Jan Bnduh</u> Date/Time: 5/28/08 1430 Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____			
Deliverable Requested: I, II, III, IV, Other (specify) _____ Empty Kit Relinquished by: _____ Date: _____ Relinquished by: <u>Jan Bnduh</u> Date/Time: 5/28/08 1430 Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____		Method of Shipment: _____ Received by: <u>Jan Bnduh</u> Date/Time: 5/29/08 0850 Company: _____ Received by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: _____ Company: _____			
Custody Seal Intact: _____ A Yes A No		Custody Seal No. _____ Cooler Temperature (°C and Other Remarks) _____			

Chain of Custody Record

Client Information Client Contact: Ms. Alicia Odum Phone: 850-656-1293 (Tel) Email: akodom@mactec.com Project Name: Rinker Property Site:		Lab PM: Preston, Tim E-Mail: timothy.preston@testamericainc.com		Carrier Tracking No(s): COC No: 640-9300 21 Page: 21 of 38 STL Job #: 1040-10847	
Due Date Requested: TAT Requested (days): PO #: APO# WO #: Project #: 64000919 SSOW#:		Analysis Requested Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecalhydrate I - Ios U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4.5 L - EDA Z - other (specify) Other:			
Sample Identification Sample ID: AS-65 (0-1") Sample ID: AS-65 (1-2") Sample ID: AS-65 (2-4") Sample ID: AS-66 (0-1") Sample ID: AS-66 (1-2") Sample ID: AS-66 (2-4") Sample ID: AS-67 (0-1") Sample ID: AS-67 (1-2") Sample ID: AS-67 (2-4") Sample ID: AS-68 (0-1") Sample ID: AS-68 (1-2")		Sample Date: 5/28/08 Sample Time: 1306 Sample Type: G Matrix: (see water, S-solid, O-liquid, BT-Tissue, A-air)		Special Instructions/Note: 6010B - Arsenic 8270C - TCL 6010B - Arsenic 8260B - TCL	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Method of Shipment:			
Relinquished by: Tim Budha Date: 5/28/08 Time: 1430		Received by: [Signature] Date/Time: 5/29/08 0850 Company:		Relinquished by: [Signature] Date/Time: 5/29/08 0850 Company:	
Relinquished by: [Signature] Date/Time: 5/29/08 0850 Company:		Relinquished by: [Signature] Date/Time: 5/29/08 0850 Company:		Relinquished by: [Signature] Date/Time: 5/29/08 0850 Company:	
Custody Seal No: A Yes No		Other Remarks:			

Chain of Custody Record

Client Information		Lab PM: Preston, Tim		Carrier Tracking No(s): 640-9300.22		COC No: 640-9300.22	
Client Contact: Ms. Alicia Odum		Phone: 850-656-1293		E-Mail: timothy.preston@testamericainc.com		Page: Page 22 of 38	
Company: MACTEC Engineering and Consulting Inc		Address: 2533 Greer Road Suite 6		City: Tallahassee		State, Zip: FL, 32308	
Phone: 850-856-1293(Tel)		PO #:		APO #:		WO #:	
Email: akodum@mactec.com		Project #: 64000919		SSOW#:		Site:	
Project Name: Rinker Property		Due Date Requested:		TAI Requested (days):		Analysis Requested	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (W=Water, B=Soil, O=Organic, L=Leachate, A=Air)	Preservation Codes:	
AS-68 (2-4-)	5/28/08	1320	G	S		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Arsenic H - Ascorbic Acid I - Ica J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2CO3 Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - PR 4-5 Z - other (specify)	
AS-69 (0-1-)		1322				Other:	
AS-69 (1-2-)		1323				Special Instructions/Note:	
AS-69 (2-4-)		1324					
AS-70 (0-1-)		1326					
AS-70 (1-2-)		1327					
AS-70 (2-4-)		1328					
AS-71 (0-1-)		1330					
AS-Dupe-10							
AS-71 (1-2-)		1331					
AS-71 (2-4-)		1332					
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Special Instructions/OC Requirements:			
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Radiological		☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)							
Empty Kit Relinquished by:		Date:		Method of Shipment:			
Relinquished by: Tim Butts		Date/Time: 5/28/08 1430		Received by: [Signature]		Date/Time: 5/29/08 0850	
Relinquished by:		Date/Time:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Received by:		Date/Time:	
Custody Seal Intact: A. Yes ☐ B. No ☐		Custody Seal No.		Comments (Temperature, etc. and Other Remarks)			

Chain of Custody Record

Client Information Client Contact: Ms. Alicia Odum Company: MACTEC Engineering and Consulting Inc. Address: 2533 Greer Road Suite 6 City: Tallahassee State: FL Zip: 32308 Phone: 850-656-1293 (Tel) Email: akodom@macotec.com Project Name: Rinker Property Site:		Sampler: <i>Tim Preston</i> Phone: 850-656-1293 Lab Pmt. Preston, Tim E-Mail: timothy.preston@testamerica.com		Carrier Tracking Note(s): COC No: 840-9300.23 Page: 23 of 38 STL Job #: 040-10847	
Due Date Requested: TAT Requested (days): PO #: APO #: WO #: Project #: B4000919 SSOW#:		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Ammonia H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
Sample Identification Sample ID: AS-72 (0-1) Sample ID: AS-72 (1-2) Sample ID: AS-72 (2-4) Sample ID: AS-73 (0-1) Sample ID: AS-73 (1-2) Sample ID: AS-73 (2-4) Sample ID: AS-74 (0-1) Sample ID: AS-74 (1-2) Sample ID: AS-74 (2-4)		Sample Matrix Matrix (W=water, S=solid, O=volatile, BT=Trace, A=air) Sample Type (C=comp, G=grab) Sample Time Sample Date Sample Date: 5/28/08 Sample Time: 1334 Sample Time: 1335 Sample Time: 1336 Sample Time: 1338 Sample Time: 1339 Sample Time: 1340 Sample Time: 1342 Sample Time: 1343 Sample Time: 1344			
Special Instructions/Note: 6010B - Arsenic 8270C - TCL 6010B - Arsenic 8260B - TCL		Special Instructions/Note: 6010B - Arsenic 8270C - TCL 6010B - Arsenic 8260B - TCL			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological					
Deliverable Requested: I, II, III, IV, Other (specify)					
Empty Kit Relinquished by:					
Relinquished by: <i>Tim Preston</i> Date: 5/29/08					
Relinquished by: Date:					
Relinquished by: Date:					
Relinquished by: Date:					
Custody Seal Intact: Yes ☒ No ☐					
Custody Seal No.					

ANALYTICAL REPORT

Job Number: 640-16876-1

Job Description: Rinker Property

For:
MACTEC Engineering and Consulting Inc
2533 Greer Road
Suite 6
Tallahassee, FL 32308
Attention: Ms. Alicia Odom



Tim Preston
Project Manager II
timothy.preston@testamericainc.com
06/16/2008

cc: Mr. Ron White

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report. Measurement uncertainty data, as referenced in Section 20.12 of the TestAmerica Tallahassee Quality Assurance Manual, are available upon request

Florida Department of Health Certification No. E81005

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC/MS Semi VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
640-16876-3	GW-13 24-28'				
Tetrachloroethene		12	1.0	ug/L	8260B
Trichloroethene		5.7	1.0	ug/L	8260B
640-16876-4	GW-13 12-16'				
cis-1,2-Dichloroethene		0.18 I	1.0	ug/L	8260B
Tetrachloroethene		0.95 I	1.0	ug/L	8260B
Trichloroethene		1.4	1.0	ug/L	8260B
640-16876-5	GW-14 24-28'				
Tetrachloroethene		2.7	1.0	ug/L	8260B
Trichloroethene		1.1	1.0	ug/L	8260B
640-16876-6	GW-14 12-16'				
Tetrachloroethene		1.9	1.0	ug/L	8260B
Toluene		0.22 I	1.0	ug/L	8260B
Trichloroethene		0.96 I	1.0	ug/L	8260B
640-16876-7	GW-15 24-28'				
Acetone		4.3 I	25	ug/L	8260B
cis-1,2-Dichloroethene		0.27 I	1.0	ug/L	8260B
Toluene		0.27 I	1.0	ug/L	8260B
Trichloroethene		4.2	1.0	ug/L	8260B
640-16876-8	GW-15 12-16'				
Tetrachloroethene		0.42 I	1.0	ug/L	8260B
Trichloroethene		0.77 I	1.0	ug/L	8260B
640-16876-9	GW-RINSATE				
Acetone		5.4 I	25	ug/L	8260B
640-16876-10	GW-16 24-28'				
cis-1,2-Dichloroethene		0.30 I	1.0	ug/L	8260B
Trichloroethene		3.1	1.0	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16876-11	GW-16 13-17'					
Carbon disulfide		0.14	I	1.0	ug/L	8260B
Toluene		0.35	I	1.0	ug/L	8260B
Trichloroethene		0.27	I	1.0	ug/L	8260B
640-16876-12	GW-17 24-28'					
cis-1,2-Dichloroethene		0.30	I	1.0	ug/L	8260B
Toluene		0.27	I	1.0	ug/L	8260B
Trichloroethene		4.0		1.0	ug/L	8260B
640-16876-13	GW-DUPE					
cis-1,2-Dichloroethene		0.26	I	1.0	ug/L	8260B
Trichloroethene		3.7		1.0	ug/L	8260B
640-16876-14	GW-17 13-17'					
Acetone		4.1	I	25	ug/L	8260B
Benzene		0.83	I	1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.18	I	1.0	ug/L	8260B
Toluene		0.61	I	1.0	ug/L	8260B
Trichloroethene		2.2		1.0	ug/L	8260B
640-16876-15	GW-18 24-28'					
cis-1,2-Dichloroethene		0.23	I	1.0	ug/L	8260B
m-Xylene & p-Xylene		0.23	I	2.0	ug/L	8260B
Toluene		0.70	I	1.0	ug/L	8260B
Trichloroethene		4.5		1.0	ug/L	8260B
640-16876-16	GW-18 13-17'					
Acetone		3.5	I	25	ug/L	8260B
Benzene		1.1		1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.21	I	1.0	ug/L	8260B
Ethylbenzene		0.17	I	1.0	ug/L	8260B
Toluene		0.75	I	1.0	ug/L	8260B
Trichloroethene		3.4		1.0	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
640-16876-17	GW-19 20-24'					
Benzene		0.19	I	1.0	ug/L	8260B
Toluene		0.34	I	1.0	ug/L	8260B
Trichloroethene		2.7		1.0	ug/L	8260B
640-16876-18	GW-19 10-14'					
cis-1,2-Dichloroethene		0.23	I	1.0	ug/L	8260B
Toluene		0.29	I	1.0	ug/L	8260B
Trichloroethene		2.5		1.0	ug/L	8260B
640-16876-19	GW-20 20-24'					
Tetrachloroethene		5.0		1.0	ug/L	8260B
Toluene		0.28	I	1.0	ug/L	8260B
Trichloroethene		3.1		1.0	ug/L	8260B
640-16876-20	GW-20 6-10'					
Carbon disulfide		0.16	I	1.0	ug/L	8260B
Tetrachloroethene		0.35	I	1.0	ug/L	8260B
Toluene		0.24	I	1.0	ug/L	8260B
Trichloroethene		0.41	I	1.0	ug/L	8260B
640-16876-21	GW-21 20-24'					
cis-1,2-Dichloroethene		0.20	I	1.0	ug/L	8260B
Tetrachloroethene		3.4		1.0	ug/L	8260B
Trichloroethene		3.7		1.0	ug/L	8260B
640-16876-22	GW-21 6-10'					
cis-1,2-Dichloroethene		0.18	I	1.0	ug/L	8260B
Tetrachloroethene		0.56	I	1.0	ug/L	8260B
Toluene		0.36	I	1.0	ug/L	8260B
Trichloroethene		1.2		1.0	ug/L	8260B

METHOD SUMMARY

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL TAL	SW846 8260B	
Purge-and-Trap	TAL TAL		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL TAL	SW846 8270C	
Continuous Liquid-Liquid Extraction	TAL TAL		SW846 3520C
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL TAL	SW846 6010B	
Acid Digestion of Waters for Total Recoverable or	TAL TAL		SW846 3005A

Lab References:

TAL TAL = TestAmerica Tallahassee

Method References:

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

SAMPLE SUMMARY

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
640-16876-1	Soil Rinsate	Water	05/29/2008 1005	05/30/2008 1645
640-16876-2	Soil Rinsate	Water	05/29/2008 1010	05/30/2008 1645
640-16876-3	GW-13 24-28'	Water	05/29/2008 1405	05/30/2008 1645
640-16876-4	GW-13 12-16'	Water	05/29/2008 1420	05/30/2008 1645
640-16876-5	GW-14 24-28'	Water	05/29/2008 1450	05/30/2008 1645
640-16876-6	GW-14 12-16'	Water	05/29/2008 1510	05/30/2008 1645
640-16876-7	GW-15 24-28'	Water	05/29/2008 1540	05/30/2008 1645
640-16876-8	GW-15 12-16'	Water	05/29/2008 1605	05/30/2008 1645
640-16876-9	GW-Rinsate	Water	05/29/2008 1550	05/30/2008 1645
640-16876-10	GW-16 24-28'	Water	05/29/2008 1635	05/30/2008 1645
640-16876-11	GW-16 13-17'	Water	05/29/2008 1705	05/30/2008 1645
640-16876-12	GW-17 24-28'	Water	05/30/2008 0835	05/30/2008 1645
640-16876-13	GW-Dupe	Water	05/30/2008 0000	05/30/2008 1645
640-16876-14	GW-17 13-17'	Water	05/30/2008 0855	05/30/2008 1645
640-16876-15	GW-18 24-28'	Water	05/30/2008 0924	05/30/2008 1645
640-16876-16	GW-18 13-17'	Water	05/30/2008 0945	05/30/2008 1645
640-16876-17	GW-19 20-24'	Water	05/30/2008 1010	05/30/2008 1645
640-16876-18	GW-19 10-14'	Water	05/30/2008 1025	05/30/2008 1645
640-16876-19	GW-20 20-24'	Water	05/30/2008 1105	05/30/2008 1645
640-16876-20	GW-20 6-10'	Water	05/30/2008 1125	05/30/2008 1645
640-16876-21	GW-21 20-24'	Water	05/30/2008 1150	05/30/2008 1645
640-16876-22	GW-21 6-10'	Water	05/30/2008 1220	05/30/2008 1645

SAMPLE RESULTS

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: GW-13 24-28'

Lab Sample ID: 640-16876-3

Client Matrix: Water

Date Sampled: 05/29/2008 1405

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46193

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 1G061111.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 1626

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 1626

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.17	U	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	12		0.28	1.0
Toluene	0.19	U	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	5.7		0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	73	70 - 119
Dibromofluoromethane	93	83 - 123
Toluene-d8 (Surr)	90	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: GW-13 12-16'

Lab Sample ID: 640-16876-4

Client Matrix: Water

Date Sampled: 05/29/2008 1420

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46194

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 2G061111.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 1639

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 1639

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.18	I	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	0.95	I	0.28	1.0
Toluene	0.19	U	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	1.4		0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	75	70 - 119
Dibromofluoromethane	93	83 - 123
Toluene-d8 (Surr)	92	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: GW-14 24-28'

Lab Sample ID: 640-16876-5

Client Matrix: Water

Date Sampled: 05/29/2008 1450

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46193

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 1G061112.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 1701

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 1701

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.17	U	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	2.7		0.28	1.0
Toluene	0.19	U	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	1.1		0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	73	70 - 119
Dibromofluoromethane	89	83 - 123
Toluene-d8 (Surr)	85	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: GW-14 12-16'

Lab Sample ID: 640-16876-6

Client Matrix: Water

Date Sampled: 05/29/2008 1510

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46194

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 2G061112.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 1713

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 1713

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.17	U	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	1.9		0.28	1.0
Toluene	0.22	I	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	0.96	I	0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	82	70 - 119
Dibromofluoromethane	96	83 - 123
Toluene-d8 (Surr)	97	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: GW-15 24-28'

Lab Sample ID: 640-16876-7

Client Matrix: Water

Date Sampled: 05/29/2008 1540

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46193

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 1G061113.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 1732

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 1732

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	4.3	I	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.27	I	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.27	I	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	4.2		0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	75	70 - 119
Dibromofluoromethane	91	83 - 123
Toluene-d8 (Surr)	88	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: **GW-15 12-16'**

Lab Sample ID: 640-16876-8

Date Sampled: 05/29/2008 1605

Client Matrix: Water

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46194

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 2G061113.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 1744

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 1744

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.17	U	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	0.42	I	0.28	1.0
Toluene	0.19	U	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	0.77	I	0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	73	70 - 119
Dibromofluoromethane	88	83 - 123
Toluene-d8 (Surr)	89	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: GW-Rinsate

Lab Sample ID: 640-16876-9

Client Matrix: Water

Date Sampled: 05/29/2008 1550

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46193

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 1G061114.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 1804

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 1804

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	5.4	I	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.17	U	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.19	U	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	0.069	U	0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	78	70 - 119
Dibromofluoromethane	92	83 - 123
Toluene-d8 (Surr)	94	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: **GW-16 24-28'**

Lab Sample ID: 640-16876-10

Client Matrix: Water

Date Sampled: 05/29/2008 1635

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46194

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 2G061114.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 1816

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 1816

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.30	I	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.19	U	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	3.1		0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	90	70 - 119
Dibromofluoromethane	104	83 - 123
Toluene-d8 (Surr)	107	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: GW-16 13-17'

Lab Sample ID: 640-16876-11

Client Matrix: Water

Date Sampled: 05/29/2008 1705

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46193

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 1G061115.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 1835

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 1835

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.14	I	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.17	U	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.35	I	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	0.27	I	0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	78	70 - 119
Dibromofluoromethane	94	83 - 123
Toluene-d8 (Surr)	93	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: GW-17 24-28'

Lab Sample ID: 640-16876-12

Client Matrix: Water

Date Sampled: 05/30/2008 0835

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46194

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 2G061115.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 1847

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 1847

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.30	I	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.27	I	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	4.0		0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	84	70 - 119
Dibromofluoromethane	102	83 - 123
Toluene-d8 (Surr)	104	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: GW-Dupe

Lab Sample ID: 640-16876-13

Client Matrix: Water

Date Sampled: 05/30/2008 0000

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46193

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 1G061116.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 1906

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 1906

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.26	I	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.19	U	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	3.7		0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	75	70 - 119
Dibromofluoromethane	91	83 - 123
Toluene-d8 (Surr)	92	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: GW-17 13-17'

Lab Sample ID: 640-16876-14

Client Matrix: Water

Date Sampled: 05/30/2008 0855

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46194

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 2G061116.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 1919

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 1919

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	4.1	I	1.8	25
Benzene	0.83	I	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.18	I	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.61	I	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	2.2		0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	78	70 - 119
Dibromofluoromethane	94	83 - 123
Toluene-d8 (Surr)	90	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: GW-18 24-28'

Lab Sample ID: 640-16876-15

Client Matrix: Water

Date Sampled: 05/30/2008 0924

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46193

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 1G061117.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 1938

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 1938

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.23	I	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.23	I	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.70	I	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	4.5		0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	76	70 - 119
Dibromofluoromethane	92	83 - 123
Toluene-d8 (Surr)	92	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: GW-18 13-17'

Lab Sample ID: 640-16876-16

Date Sampled: 05/30/2008 0945

Client Matrix: Water

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46194

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 2G061117.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 1950

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 1950

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	3.5	I	1.8	25
Benzene	1.1		0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.21	I	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.17	I	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.75	I	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	3.4		0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	88	70 - 119
Dibromofluoromethane	105	83 - 123
Toluene-d8 (Surr)	105	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: GW-19 20-24'

Lab Sample ID: 640-16876-17

Client Matrix: Water

Date Sampled: 05/30/2008 1010

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46193

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 1G061118.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 2009

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 2009

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.19	I	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.17	U	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.34	I	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	2.7		0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	77	70 - 119
Dibromofluoromethane	95	83 - 123
Toluene-d8 (Surr)	91	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: GW-19 10-14'

Lab Sample ID: 640-16876-18

Client Matrix: Water

Date Sampled: 05/30/2008 1025

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46194

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 2G061118.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 2021

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 2021

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.23	I	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.29	I	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	2.5		0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	82	70 - 119
Dibromofluoromethane	96	83 - 123
Toluene-d8 (Surr)	95	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: **GW-20 20-24'**

Lab Sample ID: 640-16876-19

Client Matrix: Water

Date Sampled: 05/30/2008 1105

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46193

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 1G061119.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 2041

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 2041

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.17	U	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	5.0		0.28	1.0
Toluene	0.28	I	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	3.1		0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	77	70 - 119
Dibromofluoromethane	99	83 - 123
Toluene-d8 (Surr)	94	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: GW-20 6-10'

Lab Sample ID: 640-16876-20

Client Matrix: Water

Date Sampled: 05/30/2008 1125

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46194

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 2G061119.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 2053

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 2053

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.16	I	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.17	U	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	0.35	I	0.28	1.0
Toluene	0.24	I	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	0.41	I	0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	79	70 - 119
Dibromofluoromethane	96	83 - 123
Toluene-d8 (Surr)	95	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: GW-21 20-24'

Lab Sample ID: 640-16876-21

Client Matrix: Water

Date Sampled: 05/30/2008 1150

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46193

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 1G061120.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 2112

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 2112

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.20	I	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	3.4		0.28	1.0
Toluene	0.19	U	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	3.7		0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	74	70 - 119
Dibromofluoromethane	92	83 - 123
Toluene-d8 (Surr)	93	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: GW-21 6-10'

Lab Sample ID: 640-16876-22

Date Sampled: 05/30/2008 1220

Client Matrix: Water

Date Received: 05/30/2008 1645

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 640-46194

Instrument ID: VMG 5973

Preparation: 5030B

Lab File ID: 2G061120.D

Dilution: 1.0

Initial Weight/Volume: 40 mL

Date Analyzed: 06/11/2008 2124

Final Weight/Volume: 40 mL

Date Prepared: 06/11/2008 2124

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.18	I	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	0.56	I	0.28	1.0
Toluene	0.36	I	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	1.2		0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	81	70 - 119
Dibromofluoromethane	98	83 - 123
Toluene-d8 (Surr)	92	78 - 126

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: Soil Rinsate

Lab Sample ID: 640-16876-1

Date Sampled: 05/29/2008 1005

Client Matrix: Water

Date Received: 05/30/2008 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46183

Instrument ID: SMA HP 5973

Preparation: 3520C

Prep Batch: 640-45857

Lab File ID: A8061123.D

Dilution: 1.0

Initial Weight/Volume: 1060 mL

Date Analyzed: 06/11/2008 1210

Final Weight/Volume: 1.0 mL

Date Prepared: 06/03/2008 1500

Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
1,2,4-Trichlorobenzene	0.48	U	0.48	9.4
1,2-Dichlorobenzene	0.42	U	0.42	9.4
1,3-Dichlorobenzene	0.40	U	0.40	9.4
1,4-Dichlorobenzene	0.37	U	0.37	9.4
2,2'-oxybis[1-chloropropane]	0.67	U	0.67	9.4
2,4,5-Trichlorophenol	1.0	U	1.0	9.4
2,4,6-Trichlorophenol	0.88	U	0.88	9.4
2,4-Dichlorophenol	0.68	U	0.68	9.4
2,4-Dimethylphenol	0.71	U	0.71	9.4
2,4-Dinitrophenol	3.7	U	3.7	47
2,4-Dinitrotoluene	1.1	U	1.1	9.4
2,6-Dinitrotoluene	0.83	U	0.83	9.4
2-Chloronaphthalene	0.57	U	0.57	9.4
2-Chlorophenol	0.49	U	0.49	9.4
2-Methylnaphthalene	0.67	U	0.67	9.4
2-Methylphenol	0.74	U	0.74	9.4
2-Nitroaniline	0.79	U	0.79	47
2-Nitrophenol	0.55	U	0.55	9.4
3 & 4 Methylphenol	0.72	U	0.72	9.4
3,3'-Dichlorobenzidine	0.71	U	0.71	19
3-Nitroaniline	1.3	U	1.3	47
4,6-Dinitro-2-methylphenol	0.91	U	0.91	47
4-Bromophenyl phenyl ether	1.2	U	1.2	9.4
4-Chloro-3-methylphenol	1.1	U	1.1	9.4
4-Chloroaniline	0.64	U	0.64	19
4-Chlorophenyl phenyl ether	0.83	U	0.83	9.4
4-Nitroaniline	1.1	U	1.1	47
4-Nitrophenol	1.2	U	1.2	47
Acenaphthene	0.66	U	0.66	9.4
Acenaphthylene	0.80	U	0.80	9.4
Anthracene	1.2	U	1.2	9.4
Benzo[a]anthracene	0.80	U	0.80	9.4
Benzo[a]pyrene	0.94	U	0.94	9.4
Benzo[b]fluoranthene	0.92	U	0.92	9.4
Benzo[g,h,i]perylene	1.3	U	1.3	9.4
Benzo[k]fluoranthene	1.0	U	1.0	9.4
Bis(2-chloroethoxy)methane	0.68	U	0.68	9.4
Bis(2-chloroethyl)ether	0.56	U	0.56	9.4
Bis(2-ethylhexyl) phthalate	0.61	U	0.61	9.4
Butyl benzyl phthalate	0.84	U	0.84	9.4
Carbazole	1.4	U	1.4	9.4
Chrysene	0.90	U	0.90	9.4
Dibenz(a,h)anthracene	1.1	U	1.1	9.4
Dibenzofuran	0.75	U	0.75	9.4

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: Soil Rinsate

Lab Sample ID: 640-16876-1

Date Sampled: 05/29/2008 1005

Client Matrix: Water

Date Received: 05/30/2008 1645

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 640-46183

Instrument ID: SMA HP 5973

Preparation: 3520C

Prep Batch: 640-45857

Lab File ID: A8061123.D

Dilution: 1.0

Initial Weight/Volume: 1060 mL

Date Analyzed: 06/11/2008 1210

Final Weight/Volume: 1.0 mL

Date Prepared: 06/03/2008 1500

Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Diethyl phthalate	1.3	U	1.3	9.4
Dimethyl phthalate	1.0	U	1.0	9.4
Di-n-butyl phthalate	1.6	U	1.6	9.4
Di-n-octyl phthalate	0.55	U	0.55	9.4
Fluoranthene	1.4	U	1.4	9.4
Fluorene	1.0	U	1.0	9.4
Hexachlorobenzene	1.1	U	1.1	9.4
Hexachlorobutadiene	0.58	U	0.58	9.4
Hexachlorocyclopentadiene	0.20	U	0.20	9.4
Hexachloroethane	0.67	U	0.67	9.4
Indeno[1,2,3-cd]pyrene	1.2	U	1.2	9.4
Isophorone	0.76	U	0.76	9.4
Naphthalene	0.54	U	0.54	9.4
Nitrobenzene	0.59	U	0.59	9.4
N-Nitrosodi-n-propylamine	0.77	U	0.77	9.4
N-Nitrosodiphenylamine	1.0	U	1.0	9.4
Pentachlorophenol	1.0	U	1.0	47
Phenanthrene	1.4	U	1.4	9.4
Phenol	0.65	U	0.65	9.4
Pyrene	0.94	U	0.94	9.4

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	80	27 - 111
Phenol-d5	72	23 - 123
2-Fluorobiphenyl	82	31 - 113
2,4,6-Tribromophenol	124	42 - 128
Nitrobenzene-d5	91	39 - 123
Terphenyl-d14	100	10 - 138

Analytical Data

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Client Sample ID: Soil Rinsate

Lab Sample ID: 640-16876-2

Date Sampled: 05/29/2008 1010

Client Matrix: Water

Date Received: 05/30/2008 1645

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-Total Recoverable

Method: 6010B

Analysis Batch: 640-46105

Instrument ID: ICP Trace

Preparation: 3005A

Prep Batch: 640-46043

Lab File ID: JUNE08

Dilution: 1.0

Initial Weight/Volume: 50 mL

Date Analyzed: 06/09/2008 1236

Final Weight/Volume: 50 mL

Date Prepared: 06/06/2008 1300

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Arsenic	4.2	U	4.2	10

DATA REPORTING QUALIFIERS

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Lab Section	Qualifier	Description
GC/MS VOA	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
GC/MS Semi VOA	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Metals	U	Indicates that the compound was analyzed for but not detected.

QUALITY CONTROL RESULTS

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Surrogate Recovery Report**8260B Volatile Organic Compounds by GC/MS****Client Matrix: Water**

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
640-16876-3	GW-13 24-28'	73	93	90
640-16876-4	GW-13 12-16'	75	93	92
640-16876-5	GW-14 24-28'	73	89	85
640-16876-6	GW-14 12-16'	82	96	97
640-16876-7	GW-15 24-28'	75	91	88
640-16876-8	GW-15 12-16'	73	88	89
640-16876-9	GW-Rinsate	78	92	94
640-16876-10	GW-16 24-28'	90	104	107
640-16876-11	GW-16 13-17'	78	94	93
640-16876-12	GW-17 24-28'	84	102	104
640-16876-13	GW-Dupe	75	91	92
640-16876-14	GW-17 13-17'	78	94	90
640-16876-15	GW-18 24-28'	76	92	92
640-16876-16	GW-18 13-17'	88	105	105
640-16876-17	GW-19 20-24'	77	95	91
640-16876-18	GW-19 10-14'	82	96	95
640-16876-19	GW-20 20-24'	77	99	94
640-16876-20	GW-20 6-10'	79	96	95
640-16876-21	GW-21 20-24'	74	92	93
640-16876-22	GW-21 6-10'	81	98	92
MB 640-46193/7		79	90	90
MB 640-46194/5		82	92	93
LCS 640-46193/3		95	94	95
LCS 640-46194/3		100	93	105
LCSD 640-46193/4		90	91	94
LCSD 640-46194/4		102	99	110
640-16876-3 MS	GW-13 24-28' MS	90	91	92
640-16876-4 MS	GW-13 12-16' MS	106	100	109
640-16876-3 MSD	GW-13 24-28' MSD	94	99	100

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	70-119
DBFM = Dibromofluoromethane	83-123
TOL = Toluene-d8 (Surr)	78-126

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
640-16876-4 MSD	GW-13 12-16' MSD	104	99	107

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	70-119
DBFM = Dibromofluoromethane	83-123
TOL = Toluene-d8 (Surr)	78-126

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	FBP %Rec	TBP %Rec	NBZ %Rec	TPH %Rec
640-16876-1	Soil Rinsate	80	72	82	124	91	100
MB 640-45857/1-A		70	65	71	106	77	88
LCS 640-45857/2-A		70	68	75	109	78	80
LCSD 640-45857/3-A		72	71	75	110	80	84

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	27-111
PHL = Phenol-d5	23-123
FBP = 2-Fluorobiphenyl	31-113
TBP = 2,4,6-Tribromophenol	42-128
NBZ = Nitrobenzene-d5	39-123
TPH = Terphenyl-d14	10-138

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Method Blank - Batch: 640-46193

Method: 8260B Preparation: 5030B

Lab Sample ID: MB 640-46193/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/11/2008 1449
Date Prepared: 06/11/2008 1449

Analysis Batch: 640-46193
Prep Batch: N/A
Units: ug/L

Instrument ID: VMG 5973
Lab File ID: 1G061108.D
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.41	I	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.17	U	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.19	U	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	0.069	U	0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	79	70 - 119
Dibromofluoromethane	90	83 - 123
Toluene-d8 (Surr)	90	78 - 126

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Lab Control Spike/

Lab Control Spike Duplicate Recovery Report - Batch: 640-46193

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 640-46193/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/11/2008 1244
Date Prepared: 06/11/2008 1244

Analysis Batch: 640-46193
Prep Batch: N/A
Units: ug/L

Instrument ID: VMG 5973
Lab File ID: 1G061104.D
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 640-46193/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/11/2008 1315
Date Prepared: 06/11/2008 1315

Analysis Batch: 640-46193
Prep Batch: N/A
Units: ug/L

Instrument ID: VMG 5973
Lab File ID: 1G061105.D
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1-Dichloroethene	90	90	43 - 118	0	29		
Benzene	98	97	59 - 132	1	22		
Chlorobenzene	107	104	63 - 132	3	20		
Toluene	102	99	59 - 130	4	24		
Trichloroethene	101	100	59 - 129	1	22		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	95		90		70 - 119		
Dibromofluoromethane	94		91		83 - 123		
Toluene-d8 (Surr)	95		94		78 - 126		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 640-46193**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 640-16876-3
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 06/11/2008 2215
Date Prepared: 06/11/2008 2215

Analysis Batch: 640-46193
Prep Batch: N/A

Instrument ID: VMG 5973
Lab File ID: 1G061122.D
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

MSD Lab Sample ID: 640-16876-3
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 06/11/2008 2246
Date Prepared: 06/11/2008 2246

Analysis Batch: 640-46193
Prep Batch: N/A

Instrument ID: VMG 5973
Lab File ID: 1G061123.D
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1-Dichloroethene	97	104	60 - 127	7	33		
Benzene	106	108	65 - 130	2	19		
Chlorobenzene	112	111	70 - 125	1	23		
Toluene	110	113	68 - 122	3	24		
Trichloroethene	110	108	70 - 131	1	28		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
4-Bromofluorobenzene	90		94	70 - 119			
Dibromofluoromethane	91		99	83 - 123			
Toluene-d8 (Surr)	92		100	78 - 126			

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Method Blank - Batch: 640-46194

Method: 8260B Preparation: 5030B

Lab Sample ID: MB 640-46194/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/11/2008 1501
Date Prepared: 06/11/2008 1501

Analysis Batch: 640-46194
Prep Batch: N/A
Units: ug/L

Instrument ID: VMG 5973
Lab File ID: 2G061108.D
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	MDL	PQL
1,1,1-Trichloroethane	0.18	U	0.18	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloroethane	0.21	U	0.21	1.0
1,1-Dichloroethane	0.10	U	0.10	1.0
1,1-Dichloroethene	0.11	U	0.11	1.0
1,2-Dichloroethane	0.28	U	0.28	1.0
1,2-Dichloropropane	0.14	U	0.14	1.0
2-Hexanone	1.7	U	1.7	10
Acetone	1.8	U	1.8	25
Benzene	0.18	U	0.18	1.0
Bromoform	0.29	U	0.29	1.0
Bromomethane	0.24	U	0.24	1.0
Carbon disulfide	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Chlorobenzene	0.18	U	0.18	1.0
Chlorodibromomethane	0.20	U	0.20	1.0
Chloroethane	0.32	U	0.32	1.0
Chloroform	0.094	U	0.094	1.0
Chloromethane	0.26	U	0.26	1.0
cis-1,2-Dichloroethene	0.17	U	0.17	1.0
cis-1,3-Dichloropropene	0.24	U	0.24	1.0
Dichlorobromomethane	0.18	U	0.18	1.0
Ethylbenzene	0.16	U	0.16	1.0
2-Butanone (MEK)	1.8	U	1.8	10
4-Methyl-2-pentanone (MIBK)	2.2	U	2.2	10
Methylene Chloride	0.096	U	0.096	5.0
m-Xylene & p-Xylene	0.22	U	0.22	2.0
o-Xylene	0.14	U	0.14	1.0
Styrene	0.18	U	0.18	1.0
Tetrachloroethene	0.28	U	0.28	1.0
Toluene	0.19	U	0.19	1.0
trans-1,2-Dichloroethene	0.19	U	0.19	1.0
trans-1,3-Dichloropropene	0.13	U	0.13	1.0
Trichloroethene	0.069	U	0.069	1.0
Vinyl chloride	0.16	U	0.16	1.0
Xylenes, Total	0.36	U	0.36	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	82	70 - 119
Dibromofluoromethane	92	83 - 123
Toluene-d8 (Surr)	93	78 - 126

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Lab Control Spike/

Lab Control Spike Duplicate Recovery Report - Batch: 640-46194

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 640-46194/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/11/2008 1256
Date Prepared: 06/11/2008 1256

Analysis Batch: 640-46194
Prep Batch: N/A
Units: ug/L

Instrument ID: VMG 5973
Lab File ID: 2G061104.D
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 640-46194/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/11/2008 1327
Date Prepared: 06/11/2008 1327

Analysis Batch: 640-46194
Prep Batch: N/A
Units: ug/L

Instrument ID: VMG 5973
Lab File ID: 2G061105.D
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1-Dichloroethene	86	89	43 - 118	3	29		
Benzene	106	110	59 - 132	4	22		
Chlorobenzene	115	116	63 - 132	1	20		
Toluene	104	104	59 - 130	0	24		
Trichloroethene	109	112	59 - 129	3	22		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	100		102		70 - 119		
Dibromofluoromethane	93		99		83 - 123		
Toluene-d8 (Surr)	105		110		78 - 126		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 640-46194**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 640-16876-4
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 06/11/2008 2156
Date Prepared: 06/11/2008 2156

Analysis Batch: 640-46194
Prep Batch: N/A

Instrument ID: VMG 5973
Lab File ID: 2G061121.D
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

MSD Lab Sample ID: 640-16876-4
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 06/11/2008 2227
Date Prepared: 06/11/2008 2227

Analysis Batch: 640-46194
Prep Batch: N/A

Instrument ID: VMG 5973
Lab File ID: 2G061122.D
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1-Dichloroethene	99	102	60 - 127	3	33		
Benzene	122	122	65 - 130	0	19		
Chlorobenzene	125	124	70 - 125	1	23		
Toluene	112	115	68 - 122	3	24		
Trichloroethene	119	121	70 - 131	1	28		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	106		104		70 - 119		
Dibromofluoromethane	100		99		83 - 123		
Toluene-d8 (Surr)	109		107		78 - 126		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Method Blank - Batch: 640-45857

Method: 8270C Preparation: 3520C

Lab Sample ID: MB 640-45857/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/11/2008 0456
Date Prepared: 06/03/2008 1500

Analysis Batch: 640-46183
Prep Batch: 640-45857
Units: ug/L

Instrument ID: SMA HP 5973
Lab File ID: A8061104.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	MDL	PQL
1,2,4-Trichlorobenzene	0.51	U	0.51	10
1,2-Dichlorobenzene	0.44	U	0.44	10
1,3-Dichlorobenzene	0.42	U	0.42	10
1,4-Dichlorobenzene	0.39	U	0.39	10
2,2'-oxybis[1-chloropropane]	0.71	U	0.71	10
2,4,5-Trichlorophenol	1.1	U	1.1	10
2,4,6-Trichlorophenol	0.93	U	0.93	10
2,4-Dichlorophenol	0.72	U	0.72	10
2,4-Dimethylphenol	0.75	U	0.75	10
2,4-Dinitrophenol	3.9	U	3.9	50
2,4-Dinitrotoluene	1.2	U	1.2	10
2,6-Dinitrotoluene	0.88	U	0.88	10
2-Chloronaphthalene	0.60	U	0.60	10
2-Chlorophenol	0.52	U	0.52	10
2-Methylnaphthalene	0.71	U	0.71	10
2-Methylphenol	0.78	U	0.78	10
2-Nitroaniline	0.84	U	0.84	50
2-Nitrophenol	0.58	U	0.58	10
3 & 4 Methylphenol	0.76	U	0.76	10
3,3'-Dichlorobenzidine	0.75	U	0.75	20
3-Nitroaniline	1.4	U	1.4	50
4,6-Dinitro-2-methylphenol	0.96	U	0.96	50
4-Bromophenyl phenyl ether	1.3	U	1.3	10
4-Chloro-3-methylphenol	1.2	U	1.2	10
4-Chloroaniline	0.68	U	0.68	20
4-Chlorophenyl phenyl ether	0.88	U	0.88	10
4-Nitroaniline	1.2	U	1.2	50
4-Nitrophenol	1.3	U	1.3	50
Acenaphthene	0.70	U	0.70	10
Acenaphthylene	0.85	U	0.85	10
Anthracene	1.3	U	1.3	10
Benzo[a]anthracene	0.85	U	0.85	10
Benzo[a]pyrene	1.0	U	1.0	10
Benzo[b]fluoranthene	0.98	U	0.98	10
Benzo[g,h,i]perylene	1.4	U	1.4	10
Benzo[k]fluoranthene	1.1	U	1.1	10
Bis(2-chloroethoxy)methane	0.72	U	0.72	10
Bis(2-chloroethyl)ether	0.59	U	0.59	10
Bis(2-ethylhexyl) phthalate	0.65	U	0.65	10
Butyl benzyl phthalate	0.89	U	0.89	10
Carbazole	1.5	U	1.5	10

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Method Blank - Batch: 640-45857

Method: 8270C Preparation: 3520C

Lab Sample ID: MB 640-45857/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/11/2008 0456
Date Prepared: 06/03/2008 1500

Analysis Batch: 640-46183
Prep Batch: 640-45857
Units: ug/L

Instrument ID: SMA HP 5973
Lab File ID: A8061104.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	MDL	PQL
Chrysene	0.95	U	0.95	10
Dibenz(a,h)anthracene	1.2	U	1.2	10
Dibenzofuran	0.80	U	0.80	10
Diethyl phthalate	1.4	U	1.4	10
Dimethyl phthalate	1.1	U	1.1	10
Di-n-butyl phthalate	1.7	U	1.7	10
Di-n-octyl phthalate	0.58	U	0.58	10
Fluoranthene	1.5	U	1.5	10
Fluorene	1.1	U	1.1	10
Hexachlorobenzene	1.2	U	1.2	10
Hexachlorobutadiene	0.62	U	0.62	10
Hexachlorocyclopentadiene	0.21	U	0.21	10
Hexachloroethane	0.71	U	0.71	10
Indeno[1,2,3-cd]pyrene	1.3	U	1.3	10
Isophorone	0.81	U	0.81	10
Naphthalene	0.57	U	0.57	10
Nitrobenzene	0.63	U	0.63	10
N-Nitrosodi-n-propylamine	0.82	U	0.82	10
N-Nitrosodiphenylamine	1.1	U	1.1	10
Pentachlorophenol	1.1	U	1.1	50
Phenanthrene	1.5	U	1.5	10
Phenol	0.69	U	0.69	10
Pyrene	1.0	U	1.0	10

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	70	27 - 111
Phenol-d5	65	23 - 123
2-Fluorobiphenyl	71	31 - 113
2,4,6-Tribromophenol	106	42 - 128
Nitrobenzene-d5	77	39 - 123
Terphenyl-d14	88	10 - 138

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 640-45857**

**Method: 8270C
Preparation: 3520C**

LCS Lab Sample ID: LCS 640-45857/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/11/2008 0518
Date Prepared: 06/03/2008 1500

Analysis Batch: 640-46183
Prep Batch: 640-45857
Units: ug/L

Instrument ID: SMA HP 5973
Lab File ID: A8061105.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

LCSD Lab Sample ID: LCSD 640-45857/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/11/2008 0541
Date Prepared: 06/03/2008 1500

Analysis Batch: 640-46183
Prep Batch: 640-45857
Units: ug/L

Instrument ID: SMA HP 5973
Lab File ID: A8061106.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,2,4-Trichlorobenzene	57	66	22 - 100	14	40		
2,2'-oxybis[1-chloropropane]	88	86	46 - 120	2	40		
2,4-Dinitrotoluene	87	89	64 - 118	2	40		
4-Nitrophenol	73	75	44 - 126	3	40	I	I
Acenaphthene	77	77	50 - 108	0	40		
N-Nitrosodi-n-propylamine	86	85	52 - 115	1	40		
Pentachlorophenol	97	96	26 - 123	1	40	I	I
Phenol	74	74	47 - 104	1	40		
Pyrene	80	78	49 - 132	2	40		

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

Quality Control Results

Client: MACTEC Engineering and Consulting Inc

Job Number: 640-16876-1

Method Blank - Batch: 640-46043

Lab Sample ID: MB 640-46043/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/09/2008 1220
Date Prepared: 06/06/2008 1300

Analysis Batch: 640-46105
Prep Batch: 640-46043
Units: ug/L

Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Arsenic	4.2	U	4.2	10

Lab Control Spike/ Lab Control Spike Duplicate Recovery Report - Batch: 640-46043

LCS Lab Sample ID: LCS 640-46043/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/09/2008 1222
Date Prepared: 06/06/2008 1300

Analysis Batch: 640-46105
Prep Batch: 640-46043
Units: ug/L

Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-46043/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/09/2008 1224
Date Prepared: 06/06/2008 1300

Analysis Batch: 640-46105
Prep Batch: 640-46043
Units: ug/L

Instrument ID: ICP Trace
Lab File ID: JUNE08
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Arsenic	101	103	80 - 120	2	20		

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

Chain of Custody Record

Client Information		Lab PM: Preston, Tim		Carrier Tracking No(s):	
Client Contact: Ms. Alicia Odom		Phone: 850-656-1293		COC No: 640-9300.34	
Company: MACTEC Engineering and Consulting Inc		E-Mail: timothy.preston@testamericainc.com		Page: 34 of 38	
Address: 2533 Greer Road Suite 6		Due Date Requested:		STL Job #: 640-16876	
City: Tallahassee		TAT Requested (days):		Preservation Codes:	
State, Zip: FL, 32308		PO #:		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - NaOH G - Anchor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Phone: 850-656-1293(Tel)		APO #:		Other:	
Email: akodom@macotec.com		IWO #:			
Project Name: Rinkar Property		Project #:			
Site:		SSOW #:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=biota, etc.)	Analysis Requested	Special Instructions/Note:
Soil Rinsewater	5/29/08	1005	G	W	6010B - Arsenic 8270C - TCL	
Soil Rinsewater	5/29/08	1010	G	W	6010B - Arsenic 8270C - TCL	
GW-13 24-28"	5/29/08	1405	G	W		
GW-13 12-16"	5/29/08	1420	G	W		
GW-14 24-28"	5/29/08	1450	G	W		
GW-14 12-16"	5/29/08	1510	G	W		
GW-15 24-28"	5/29/08	1540	G	W		
GW-15 12-16"	5/29/08	1605	G	W		
GW-Rinsewater	5/29/08	1550	G	W		
GW-16 24-28"	5/29/08	1635	G	W		
GW-16 12-17"	5/29/08	1705	G	W		

Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
☐ Non-Hazard	☐ Flammable	☐ Return To Client	☐ Archive For Months
☐ Skin Irritant	☐ Poison B	☐ Disposal By Lab	
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:	

Empty Kit Relinquished by:		Date:	
Relinquished by: Tim Butts		Date: 5/30/08	
Relinquished by:		Date:	
Relinquished by:		Date:	
Relinquished by:		Date:	

Custody Seal Intact: Yes A No		Custody Seal No.	
Cooling Temperature(s) to and Other Remarks:		5.6°C	

Chain of Custody Record

Client Information Client Contact: <u>Ms. Alicia Odum</u> Company: <u>MACTEC Engineering & Consulting</u> Address: <u>2533 Greer Rd Suite 6</u> City: <u>Tallahassee</u> State: <u>FL</u> Zip: <u>32308</u> Phone: <u>850-656-1293</u> Email: <u>akodum@mactec.com</u> Project Name: <u>Rinker Property</u> Site:		Lab PM: <u>Preston, Tim</u> E-Mail: <u>timothy.preston@testamerica.com</u> Phone: <u>850-656-1293</u> Date Requested:		Carrier Tracking No.: Job #: <u>1640-168716</u> Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Ascorbic Acid H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Sample Identification Sample ID: <u>GW 17 24-28'</u> <u>GW Dupe - 01</u> <u>GW 17 13-17'</u> <u>GW 18 24-28'</u> <u>GW 18 13-17'</u> <u>GW 19 20-24'</u> <u>GW 19 10-14'</u> <u>GW 20 20-24'</u> <u>GW 20 6-10'</u> <u>GW 21 20-24'</u> <u>GW 21 6-10'</u>		Sample Date: <u>5/30/08</u> Sample Time: <u>0835</u> Sample Type: <u>G</u> Matrix: <u>W</u> Preservation Code:		Total Number of Containers:	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant Deliverable Requested: I, II, III, IV, Other (Specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months		Special Instructions/Note:	
Empty Kit Relinquished by: <u>Comp/Hand</u> Date: <u>5/30/08</u>		Received by: <u>ATC</u> Date: <u>5/30/08</u>		Company:	
Relinquished by: <u>Comp/Hand</u> Date: <u>5/30/08</u>		Received by: <u>ATC</u> Date: <u>5/30/08</u>		Company:	
Relinquished by: <u>Comp/Hand</u> Date: <u>5/30/08</u>		Received by: <u>ATC</u> Date: <u>5/30/08</u>		Company:	
Custody Seals Intact: <u>Δ Yes Δ No</u>		Cooler Temperature(s) °C and Other Remarks:		5.6 °C	