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FOCUSED PRELIMINARY ASSESSMENT SITE INVESTIGATION AREA OF CONCERN 3 (AOC 3) PROPOSED FORCE MAIN EASEMENT NEAR MILITARY MUNITIONS RESPONSE PROGRAM SITE UNEXPLODED ORDNANCE 6 (UXO 6) FORTIFIED BEACH ASSAULT AREA MCB CAMP LEJEUNE NC

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Focused Preliminary Assessment/Site Investigation, AOC #3, Proposed Force Main Easement Near MMRP Site UXO-06 (Fortified Beach Assault Area), Marine Corps Base Camp Lejeune

Piney Green Force Main to French's Creek WRF on Marine Corp Base Camp Lejeune, Onslow County, North Carolina

August 7, 2007

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Focused Preliminary Assessment/Site Investigation AOC #3, Proposed Force Main Easement Near MMRP Site UXO-06 (Fortified Beach Assault Area), Marine Corps Base Camp Lejeune

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List of Acronyms

ABSgi	Absorption efficiency
AOC	Area of concern
bls	Below land surface
COPC	Constituent of potential concern
CSF	Cancer slope factor
DGM	Digital geophysical mapping
DPT	Direct push technology
DRO	Diesel range organics
EDD	Electronic data deliverable
ELCR	Excess lifetime cancer risk
ft	Foot
GIP	Geophysical Investigation Plan
GPO	Geophysical Prove-Out
GPS	Global Positioning System
GRO	Gasoline range organics
HASP	Health and Safety Plan
HEAST	Health Effects Assessment Summary Table
HI	Hazard index
HQ	Hazard quotient
HTW	Hazardous or toxic waste
IDW	Investigation derived waste
IRIS	Integrated Risk Information System
MCBCL	Marine Corps Base Camp Lejeune
MEC	Munitions and explosives of concern
MMRP	Military Munitions Response Program
NCDENR	North Carolina Department of Environment and Natural Resources
NCEA	National Center for Environmental Assessment
ONWASA	Onslow Water and Sewer Authority
PA	Preliminary Assessment

Acronyms (continued)

PID	Photo-ionization detector
PPE	Personal protective equipment
PRG	Preliminary Remediation Goal
RBC	Risk Based Concentrations
RfD	Reference dose
Shealy	Shealy Environmental Services, Inc.
SI	Site Investigation
SVOC	Semi-volatile organic compound
TPH	Total petroleum hydrocarbon
TOC	Total organic carbon
TOX	Total organic halogens
TWT	Taylor Wiseman and Taylor
USEPA	United States Environmental Protection Agency
UST	Underground storage tank
UXO	Unexploded ordnance
VOC	Volatile organic compounds
WRF	Water Reclamation Facility
Zapata	Zapata Engineering

Executive Summary

This Focused Preliminary Assessment/Site Investigation (PA/SI) has been prepared on behalf of the Onslow Water and Sewer Authority (ONWASA) for environmental studies associated with the proposed Piney Green Force Main Sewer Easement to French's Creek Water Reclamation Facility (WRF) on Marine Corps Base Camp Lejeune (MCBCL), Onslow County, North Carolina. The proposed route of the Piney Green Force Main Sewer Easement travels through Military Munitions Response Program (MMRP) Site unexploded ordnances (UXO)-06 (Fortified Beach Assault Area), an area identified as having known or suspected environmental impacts. Due to the proximity of the proposed sewer line easement to MMRP Site UXO-06, this focused PA/SI has been prepared to evaluate the presence of UXO and any impacted soil or groundwater within the easement limits prior to construction. Moreover, this information will be used to evaluate health and safety precautions and waste handling requirements during construction of the proposed sewer line.

Approximately 4,100 linear feet of proposed sewer line easement is located in or within close proximity to MMRP Site UXO-06. To characterize the subsurface conditions, digital geophysical mapping (DGM) was performed and a total of 42 shallow soil borings were installed using direct push technology (DPT) spaced approximately every 100-feet along the center of the easement. The borings were advanced to a terminal depth of eight feet below land surface (ft bls). Soil samples were collected at the depth of the proposed sewer line main, which is approximately six feet below grade. Soil cores were field screened and a total of 42 soil samples were submitted for laboratory analysis from each boring location. Additionally, groundwater samples were planned for every other boring (every 200 feet) in which groundwater was encountered, however water was only encountered at two locations.

A total of 791 geophysical anomalies were identified that represent buried metallic objects, which may or may not be munitions and explosives of concern (MEC). Intrusive investigation is recommended in order to determine the source of the anomalies prior to construction activity.

Soil and groundwater samples were analyzed for a range of parameters including volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), total petroleum hydrocarbons – gasoline range organics (TPH-GRO), total petroleum hydrocarbons – diesel range organics (TPH-DRO), pesticides, polychlorinated biphenyls, target analyte list metals, mercury, total organic carbon (TOC), total organic halogens (TOX), perchlorate, total cyanide, and explosive residues. Only the metals

arsenic and/or vanadium were detected above regulatory standards in 17 of the 42 soil samples; however these concentrations were detected below background levels previously identified at the base. TPH-DRO was also detected in soil; however no applicable health based standards exist for this range of organic constituents. Perchlorate, potentially an explosive residue, was detected in two soil samples analyzed; however, both concentrations were detected below regulatory standards. A variety of metals were detected slightly above regulatory standards in both groundwater samples including aluminum, arsenic, cadmium, chromium, lead, manganese, vanadium and/or iron; however samples were unfiltered and metal detections possibly associated with the turbidity of the groundwater.

A preliminary evaluation of human health risks was based on the potential for exposure to soil and groundwater during construction activities. The risks were below regulatory benchmarks. Therefore, exposure of constructions workers does not pose an unacceptable risk. As a health and safety precaution during construction activities, daily health and safety briefings are recommended that emphasize the recognition of field indicators of contaminated soil and groundwater. Odor thresholds, decisions about personal protective equipment (PPE), and minimal skin contact with soil and groundwater should be stressed.

1 Introduction

1.1 Background and Project Objectives

This Focused Preliminary Assessment/Site Investigation (PA/SI) Report has been prepared on behalf of the Onslow Water and Sewer Authority (ONWASA) for environmental studies associated with the proposed Piney Green Force Main to French's Creek Water Reclamation Facility (WRF) on Marine Corps Base Camp Lejeune (MCBCL), Onslow County, North Carolina (Figure 1). The proposed route of the force main easement travels through three sites (IR82, IR78, and UXO-06) with known or suspected environmental impacts. Approximately 4,100 linear feet of proposed sewer line easement is located in or within close proximity to MMRP Site UXO-06. Site and area location maps depicting the vicinity and full extent of the proposed easement on MCBCL are included as Figures 1 and 2.

Based on the information provided by MCBCL, in correspondence to ONWASA dated 15 September 2006 and in subsequent communications, a focused PA/SI was recommended within the bounds of Military Munitions Response Program (MMRP) unexploded ordnance (UXO)-06 for waste characterization purposes and health and safety evaluation prior to construction of the proposed sewer main. A March 2007 Draft PA/SI Workplan was submitted to MCBCL, North Carolina Department of Environment and Natural Resources (NCDENR) and United States Environmental Protection Agency (USEPA) Region IV for comment and approval. An April 10, 2007 Response to Comments letter was issued to address comments from NCDENR and the USEPA, and a final April 11, 2007 PA/SI workplan was resubmitted. A health and safety plan (HASP) and Geophysical Investigation Plan (GIP) that address the activities for this focused PA/SI were included as appendices in the PA/SI work plan.

This focused PA/SI addresses the portion of the proposed force main easement that crosses through the boundaries of area of concern (AOC) #3, the MMRP Site UXO-06, also known as D-27, Fortified Beach Assault Area. The purpose of this investigation was to identify and characterize the presence or absence of munitions and explosives of concern (MEC) and hazardous or toxic waste (HTW) within the limits of the force main easement as it passes through MMRP UXO-06. The sampling and analysis was conducted prior to construction activities in order to determine the appropriate level of health and safety precautions and to identify potential stockpiling and disposal requirements for any excavated soils and/or groundwater.

1.2 Site History and Description

Information concerning this range was obtained from the Range Identification and Preliminary Range Assessment, which identifies MMRP Site UXO-06 as D-27, Fortified Beach Assault Area. This 177-acre range was used from 1953 to approximately 1977. Ammunition approved for use at this site included: blank small arms, demolitions, practice rockets (3.5 inch), rifle grenades (practice), smoke grenades, and pyrotechnics (flame throwers). The firing of rockets and flame throwers may have taken place in any direction; however, the surface danger area does not include the spectator stands, the main service road, Sneads Ferry Road, or the magazine area. Explosive hazards from small arms exist only with complete rounds that would be found at or near the firing line. Complete rounds of small arms would normally be located at the surface near the firing line; the other ammunition used at the site will typically penetrate the soil to an estimated maximum depth of 3.2 feet. However, construction and other ground movement may have caused the rounds to become buried to an unknown depth. No information is available on the estimated quantity of munitions used on this range or on past range clearance and dredging operations that might have occurred there.

Approximately 4,100 linear feet of the proposed force main easement is located in or within close proximity of the defined extent of UXO-06 site. A site map depicting the proposed sewer easement and the approximate extent of UXO-06 is included as Figure 3.

2 Field Investigation Activities

2.1 Introduction

Based on the information provided by MCBCL, in correspondence to ONWASA dated 15 September 2006 and in subsequent communications, a focused PA/SI was recommended within the bounds of MMRP UXO-06. A March 2007 Draft PA/SI Workplan was submitted for to MCBCL, NCDENR and USEPA for comment and approval. An April 10, 2007 Response to Comments letter was issued to address comments from NCDENR and the USEPA, and a final April 11, 2007 PA/SI workplan was resubmitted. The following field activities were performed in accordance with the approved workplan and response to comments from NCDENR and USEPA.

The focused PA/SI included review of historical records, MEC support, a survey of the force main easement and clear cutting extent, land clearing, a geophysical investigation, and the collection and analysis of subsurface soil and groundwater samples collected along the approximately 4,100 foot length of the proposed force main easement that crosses through UXO-06 (Figure 3).

2.2 Support and Site Preparation

Because AOC #3 is a MMRP site, a geophysical prove-out (GPO) and digital geophysical mapping (DGM) was performed in order to identify possible UXO within the easement area during the investigation. Zapata Engineering (Zapata), in Charlotte, North Carolina, under subcontract to ARCADIS, provided the surveying, limited vegetation clearance, DGM, and MEC avoidance support for this focused PA/SI.

2.2.1 MEC Support

Zapata provided MEC avoidance support during onsite activities. A HASP, specific to MEC support activities, was provided as part of the HASP in the PA/SI Work Plan. MEC avoidance was provided during the following specific tasks:

- Boundary survey;
- Land clearing; and
- Boring location clearance and soil sampling.

2.2.2 Surveying

In order to define the area of investigation, Zapata performed an initial land surveying event. The limits of the sewer line easement were surveyed using a sub-meter global positioning system (GPS) unit or Total Station surveying equipment. Survey stakes were placed in 50 foot increments along the edges of the easement and assigned an alpha numeric identification for grid placement. This grid was used to facilitate the brush clearing and identification of the sampling points.

2.2.3 Land Clearing

Land clearing was required prior to investigation activities to allow for complete DGM coverage. Initial timber harvesting was conducted under the direction of the Camp Lejeune Base Forester. Walton Logging, under subcontract to Zapata, then cleared the remaining brush and vegetation from within the approximately 4,100-foot long and 24-foot wide easement. Zapata provided MEC avoidance support during the timber harvesting and site clearing activities.

2.3 Geophysical Prove-Out and Digital Geophysical Mapping

Prior to the initiation of intrusive activities at the site, Zapata mapped geophysical anomalies that could potentially represent subsurface MEC along the easement that is within or near UXO-06. Zapata initially constructed a GPO Plot in order to assess the proposed data acquisition methodology. Once the GPO process was complete, production DGM was performed to identify the position of subsurface anomalies. The Geonics Limited EM61 MKII time domain electromagnetic detection system detects both ferrous (steel) and non-ferrous (aluminum, copper, brass, etc.) metals and was used to map sub-surface anomalies in the survey area. Zapata reviewed the results of the geophysical survey to identify target contacts considered to be buried metallic objects and possible MEC. In order to avoid any sub-surface contact with the metallic objects and possible MEC during environmental sampling, boring locations that were identified in conflict with possible MEC were documented and offset. A summary of the results of the geophysical investigation is included as Appendix A. Suspect MEC was left in place and not addressed under this scope of services.

2.4 Environmental Sampling

Characterization sampling was conducted from May 22 to 25, 2007 and included the collection of subsurface soil and groundwater, where encountered, along the 4,100 foot

length of the proposed sewer main easement that is located in or within close proximity of UXO-06. All field personnel were OSHA 40-hour HAZWOPER trained.

All sampling and equipment decontamination was performed in accordance with the procedures described in the USEPA Region IV 2001 Standard Operating Procedures and Quality Assurance Manual.

2.4.1 Surveying and Utility Clearance

Prior to initiating the field sampling activities, North Carolina One Call was notified to clear all public utilities. The extent of the proposed sewer line easement that crosses through UXO-06 was then surveyed by ARCADIS, a North Carolina licensed land surveyor. The coordinates of the proposed soil boring locations were surveyed using a hand held GPS.

Following the survey of the proposed soil boring locations, a targeted utility clearance was conducted by Taylor Wiseman & Taylor (TWT), a professional utility locator, to identify any underground utilities. Due to recent changes in the local utility maps, all soil boring locations were then re-checked by Locating Contractors, a local professional utility locator. Any boring locations that were identified in conflict with underground utilities were documented and offset.

2.4.2 Soil Sampling

A total of 42 shallow direct push technology (DPT) soil borings (MMRP06-IS01 through MMRP06-IS42) were advanced approximately every 100 feet along the center of the easement. Vironex Environmental Field Services, a licensed North Carolina Driller, installed the DPT soil borings and temporary wells used to collect the environmental samples. As previously described, Zapata provided MEC support during the environmental sampling using the DGM results to identify sub-surface anomalies. Any boring locations that were identified in conflict with possible MEC were documented and offset. The boring locations are summarized in Table 1 and shown on Figure 4.

Continuous cores were advanced using an open core barrel sampling device lined with a dedicated 5-foot Geoprobe® Macrocore sleeve. Each boring location was advanced to a terminal depth of eight feet and all soil was field screened using a photo-ionization detector (PID) for volatile organic compounds (VOCs). In addition, a field geologist documented the soil lithology at each boring location. Boring logs are included in Appendix B. A total of 42 soil samples were collected from every boring location for

laboratory analysis. Soil sample locations are shown on Figure 5, soil analytical results are summarized in Table 2 and complete laboratory analytical packages are included in Appendix C.

All samples were collected from the interval between three and seven feet below land surface (ft bls), the approximate depth of the proposed sewer line, except for the sample collected from boring location MMRP06-IS03 (0 to 4 ft bls), where sampling was biased toward elevated PID readings at shallow depths.

2.4.3 Groundwater Sampling

If groundwater was encountered, temporary well points were installed for the collection of groundwater samples from every second boring (every 200 feet). One inch diameter 0.01 slot PVC screens were inserted into every second boring to a depth of eight feet. Groundwater was allowed to equilibrate for at least one hour before each temporary monitor well was gauged and sampled. Groundwater samples were collected without purging or filtering, using a peristaltic pump with dedicated polyethylene tubing.

Groundwater was detected at less than eight feet bls in only two temporary monitor wells and ranged from 4.9 ft bls in MMRP06-TW04 to 5.65 ft bls in MMRP06-TW06. Groundwater sample locations are shown on Figure 5, analytical results are summarized in Table 3, and complete laboratory analytical packages are included in Appendix C.

2.4.4 Investigation Derived Waste (IDW) Management

All soil cores were field screened with a PID for the presence of VOCs. Soils that exhibited elevated PID reading or had visual or olfactory indication of contamination were submitted for laboratory analysis. Any remaining soil cuttings were re-inserted into the bore hole. No groundwater IDW was generated since temporary wells were sampled with no purging.

2.5 Sample Analysis and Validation

2.5.1 Sample Analysis

All samples were properly containerized, preserved, and shipped under chain-of-custody to Shealy Environmental Services Inc. (Shealy), a North Carolina-certified

environmental laboratory in West Colombia, South Carolina. Soil and groundwater samples were analyzed for the following:

- Explosive Residues by method 8330,
- Perchlorate by method 314,
- TCL Pesticides by method 8081A,
- TAL Metals by method 6010/74220 for groundwater and 6010/7421 for soil,
- Cyanide (Total) by method 9012,
- TOC by method 415.1 and Walkely Black for soil,
- PCBs (Aroclors) by method 8082,
- VOCs by method 8260B,
- SVOCs by method 8270C,
- TOX by method 9020B,
- TPH-GRO by method 5030A/8015A,
- TPH-DRO by method 3350A/8015A.

Appropriate trip blanks and field duplicates were collected and analyzed for VOCs by USEPA Method 8260B only. Samples were analyzed under a standard 14-day turnaround.

2.5.2 Data Validation

All laboratory analytical data was validated by an ARCADIS chemist. The laboratory analytical data packages (Level II) were evaluated for the completeness of data package deliverables. Additionally, all field data was reviewed to verify completion of required documentation.

3 Investigative Results

3.1 Digital Geophysical Mapping

Zapata's Geophysical Mapping Report is located in Appendix A, with reference to AOC #3. A total of 3,774 linear feet (20-feet wide), approximately 1.73 acres, were geophysically surveyed within the easement that crosses through or near UXO-06 using a Geonics Limited EM61 MKII time domain electromagnetic detection system. The area covered by the survey includes only the section of the easement that is within the range area shown on Figure 3.

The DGM results indicate a relatively even distribution of metallic anomalies throughout the site with slightly higher densities found in the regions between MMRP06-IS06 to MMRP06-IS10 and between MMRP06-IS30 to MMRP06-IS35. The DGM results are included within the geophysical report included as Appendix A.

A total of 791 metallic anomalies were identified based on their geophysical signature, which may or may not represent MEC in the region surveyed within UXO-06. These results alone do not confirm the presence of actual MEC. Metallic debris, not related to munitions, can produce similar geophysical signatures as an MEC. Moreover, DGM signals can vary with metallic content, depth, orientation, and mass of the object generating the signal.

3.2 Site Lithology

Each soil boring core was screened with a PID for VOCs and the soil lithology documented by a field geologist. Boring logs are included in Appendix B. Soil at UXO-06 was typically a grey to orange, fine, well sorted sand with occasional clayey sand horizons. Groundwater was encountered between 4.9 and 5.6 feet bls, but was typically greater than 8 ft bls throughout the majority of UXO-06.

3.3 Soil Analytical Results

A soil analytical summary is included in Table 2 and on Figure 6. Perchlorate, a variety of metals, total petroleum hydrocarbons – diesel range (TPH-DRO), pesticides, acetone, and extractable organic halides were detected in some or all of the soil borings below regulatory standards. Only the metals arsenic and/or vanadium were detected above either the USEPA (2004a) Region IX Industrial Soil Preliminary Remediation Goal (PRG) or the NC Soil Remediation Goal in 17 of the 42 soil sample.

Arsenic detections above standards ranged from 1.8 to 4.0 mg/kg (above the USEPA (2004a) Region IX Industrial Soil PRG of 1.6 mg/kg, but below the NC soil remediation standard of 4.4 mg/kg). Vanadium detections above standards ranged from 16 to 30 mg/kg (above the NC Soil Remediation Goal of 15.6 mg/kg, but below Industrial PRGs of 1,000 mg/kg). A base-wide background study was conducted in 2001 and indicated background soil levels for arsenic ranging from non detect to 9.3 mg/kg and for vanadium ranging from 0.6J to 39 mg/kg (Baker Environmental 2001). Moreover, arsenic and vanadium concentrations are consistent with background conditions.

TPH-DRO ranged from 9,500 to 38,000 µg/kg. No health based screening values exist for TPH-DRO. There are non-petroleum underground storage tank (UST) release action levels for TPH (40,000 µg/kg for TPH-DRO), which was not exceeded in any of the sample locations. Moreover, these action levels are remediation standards and are not based on direct contact with soil and are not directly applicable to the exposure scenario that will occur at this AOC.

Perchlorate, potentially an explosive residue, was detected below regulatory standards in soil samples IS25 and IS29.

No cyanide, PCBs, semi-volatile organic compounds (SVOCs), or total petroleum hydrocarbons – gasoline range (TPH-GRO) were detected in any of the soil samples.

3.4 Groundwater Analytical Results

A groundwater analytical summary is included in Table 3 and on Figure 6. A variety of metals were detected at concentrations slightly above regulatory standards in the two groundwater samples analyzed, including: aluminum, arsenic, cadmium, chromium, lead, manganese, vanadium and/or iron. It is important to note that groundwater samples were collected as grab samples and not filtered. The metals detected could be a function of the turbidity of the groundwater.

4 Preliminary Risk Screening

The proposed Piney Green Force Main Sewer Easement passes through UXO-06. Construction workers installing the sewer line may contact soil and groundwater. The purpose of this evaluation is to assess potential contact of construction workers during the sewer installation. This section outlines the approach of this assessment.

4.1 Selection of Constituents of Potential Concern

The soil and groundwater data were compared to available standards and screening values. The North Carolina Soil Remediation goals are protective of long-term residential exposure. The North Carolina 2L groundwater standards are protective of long-term groundwater ingestion. Each of these standards is protective of residential exposure. Construction workers are exposed to constituents over a shorter timeframe and their exposures tend to be less than residential exposure. Therefore, constituents that are detected at concentrations less than the screening levels will not be evaluated further. Those that are carried through the risk assessment are considered to be constituents of potential concern (COPCs).

The soil constituents to be evaluated further are: arsenic and vanadium. The groundwater constituents to be evaluated further are: aluminum; arsenic; cadmium; chromium (total); iron; lead; manganese; and vanadium.

4.2 Toxicity Assessment

This section discusses the two general categories of toxic effects (non-carcinogenic and carcinogenic) and constituent-specific toxicity values used to calculate potential risks for these two types of toxic effects. Toxicity values for potential non-carcinogenic and carcinogenic effects are determined from available databases. For this risk assessment, toxicity values were primarily obtained from the USEPA's Integrated Risk Information System (IRIS) (USEPA 2007a). If toxicity values were unavailable from IRIS, the Health Effects Assessment Summary Tables (HEAST) (USEPA 1997a) was consulted. In some cases, provisional values from USEPA's National Center for Environmental Assessment (NCEA) were used, as obtained from the USEPA (2007b) Region III Risk-Based Concentration (RBC) Table or from the USEPA (2004a) Region IX PRG Table.

4.2.1 Cancer Toxicity Values

Oral and inhalation cancer slope factors (CSFs) and weight-of-evidence classifications were compiled when available for COPCs and are presented in Table 4 (ingestion and dermal) and Table 5 (inhalation). The CSF is defined as a plausible upperbound estimate of the probability of a response per unit intake of a constituent over a lifetime. The weight-of-evidence classification describes the likelihood that a constituent is a human carcinogen, based on the supporting evidence of carcinogenicity in human and animal studies (USEPA 2007a).

4.2.2 Non-Cancer Toxicity Values

The benchmark value for non-carcinogenic effects is the reference dose (RfD) (USEPA 1989, 1997a). Chronic RfDs are used to assess long-term exposures ranging from 7 years to a lifetime. Tables 6 (ingestion and dermal) and 7 (inhalation) present the chronic toxicity values, target organs/critical effects, and USEPA's confidence levels for the COPCs. Subchronic RfDs are used to evaluate the potential for adverse health effects associated with exposure to constituents over a period of 2 weeks to 7 years. Subchronic RfDs were used to evaluate the short-term construction worker hazards. If a subchronic RfD was not available, the chronic RfD (if available) was used. This is a conservative measure that may overestimate potential non-cancer hazards.

4.2.3 Dermal Toxicity Values

In general, toxicity values are available for oral and inhalation pathways. Toxicity values for dermal exposures have not yet been developed by the USEPA. For this reason, the oral toxicity values (RfD_o and CSF_o) and the oral absorption efficiency (ABS_{gi}) were used to derive adjusted toxicity values (RfD_a and CSF_a) (adjusted to the absorbed dose) for use in assessing dermal exposure (USEPA 2004b):

$$RfD_a = RfD_o \times ABS_{gi}$$

$$CSF_a = CSF_o / ABS_{gi}$$

The adjusted toxicity values represent the theoretical toxicity of the orally absorbed dose of the constituent. USEPA (2004b) guidance recommends that the oral toxicity values for organic constituents should not be adjusted to assess dermal exposure (i.e., oral absorption efficiency = 1) and presents recommended oral absorption efficiencies

for a few inorganics. The oral absorption efficiency values were obtained from USEPA (2004b) and are summarized in Table 8.

4.3 Exposure Assessment

The purpose of the exposure assessment is to evaluate the ways receptors might be exposed to constituents at a site. Without exposure there is no risk; thus, the exposure assessment is a key element of the risk assessment. The assessment of exposure includes characterization of the physical environment, identification of exposure pathways (including migration pathways, exposure points, and exposure routes), and identification of potentially exposed individuals and populations.

The only exposure pathways considered in this risk assessment are exposure of construction workers to constituents in soil and groundwater. During the construction of the utility line, the workers may contact shallow groundwater and soil to the depth of the utility corridor. The exposure assumptions used in this evaluation are presented in Table 9. For the purposes of this assessment, the maximum detected concentration of the constituents detected in groundwater and soil at concentrations greater than the screening levels were used in this evaluation.

Exposure to constituents in groundwater may occur through incidental ingestion of water in the excavation trench, and skin or dermal contact with the water. The groundwater COPCs are not volatile and so the inhalation pathway is not relevant for this scenario. The equations used to evaluate this exposure scenario are presented in Table 10. Similarly, exposure to constituents in soil may occur through incidental ingestion of soil, dermal contact, and inhalation of particulates. The equations used to evaluate this exposure pathway are presented in Table 11. Table 12 presents the results of the intermediate calculations used to evaluate the air pathway.

4.4 Risk Characterization

Potential risks to human health are evaluated quantitatively by combining calculated daily intakes and toxicity data. A distinction is made between non-carcinogenic and carcinogenic endpoints, and two general criteria are used to describe risk: the hazard quotient (HQ) for non-carcinogenic effects and excess lifetime cancer risk (ELCR) for constituents evaluated as human carcinogens.

The constituent-specific HQs are calculated as the ratio of the exposure dose to the appropriate RFD. The sum of the constituent-specific HQs is the hazard index (HI). A

limitation with this approach is the assumption of dose additivity is applied to compounds that may induce different effects by different mechanisms of action. Consequently, the summing of HIs for a number of compounds that are not expected to induce the same type of effects or that do not act by the same mechanism may overestimate the potential for toxic effects (USEPA, 1989).

The ELCR is an estimate of the potential increased risk of cancer that results from lifetime exposure, at specified average daily dosages, to constituents detected in media at a site. Estimated doses or intakes for each constituent are averaged over the hypothesized lifetime of 70 years. It is assumed that a large dose received over a short period is equivalent to a smaller dose received over a longer period, as long as the total doses are equal. The ELCR is calculated as the product of the exposure dose and the CSF. The risk estimate is considered to be an upper-bound estimate; therefore, it is likely that the true risk is far less than that predicted by the model. In order to assess the upper-bound individual excess lifetime cancer risks associated with simultaneous exposure to all COPCs, the risks derived from the individual constituents were summed within each exposure pathway. This approach is consistent with the USEPA's guidelines for evaluating the toxic effects of chemical mixtures (USEPA, 1989).

Constituent-specific risk calculations for individual receptors and exposure pathways are provided in the following tables:

- Table 13: Construction/Utility Worker Exposure to Groundwater
- Table 14: Construction/Utility Worker Exposure to Subsurface Soil

Table 15 presents a summary of the results of the risk assessment. The overall excess lifetime cancer risk was calculated to be 4×10^{-8}. This below the USEPA target risk range of 1 in 1,000,000 or 1×10^{-6} to 1 in 10,000 or 1×10^{-4} used to evaluate risk. The hazard quotient was calculated to be 0.4 which is below the regulatory benchmark of 1.

Exposure to constituents in soil and groundwater is unlikely to occur to the extent considered in the risk assessment. The risk assessment is based on exposure during the entire exposure period at the point of maximum concentration. Instead, workers will be working along the entire stretch of the sewer line. Thus, it is likely that the results of the risk assessment will overestimate the potential for risk during the sewer line installation.

5 Summary and Conclusions

Due to the proximity of the proposed Piney Green Force Main Easement to MMRP Site UXO-06, this focused PA/SI was prepared to evaluate the presence of UXO and any soil or groundwater impacted media within the easement limits prior to construction. Data collected during the PA/SI was used to evaluate health and safety precautions and waste handling requirements during construction of the proposed sewer line.

A total of 791 geophysical anomalies were identified that represent buried metallic objects. While these geophysical anomalies represent possible MEC, intrusive investigation is recommended in order to determine the source of the anomalies prior to construction activity.

A total of 42 soil and two groundwater samples were submitted for a range of analyses. Only the metals arsenic and/or vanadium were detected above regulatory standards in 17 of the 42 soil samples; however detections were below background concentrations at the base. TPH-DRO was also detected in soil; however no applicable health based standards exist for this range of organic constituents. Perchlorate, an explosive residue, was detected below regulatory standards in two soil samples. A variety of metals were detected slightly above regulatory standards in both groundwater samples including aluminum, arsenic, cadmium, chromium, lead, manganese, vanadium and/or iron; however the groundwater samples were unfiltered and these detections may be affiliated with the turbidity of the groundwater.

A focused human health risk assessment was conducted on constituents detected at concentrations above regulatory levels that are protective of residential exposure. These constituents, called constituents of potential concern, were evaluated based on the most likely exposure route for the site, that of a construction worker potentially contacting groundwater and soil during construction of the sewer line. The calculated risks were below regulatory benchmarks and health risks are not expected to occur during the construction of the sewer line.

It is recommended that health and safety precautions be evaluated prior to and during construction activities, including daily health and safety briefings that emphasize the recognition of field indicators of contaminated soil and groundwater. Odor thresholds, decisions about personal protective equipment (PPE), and minimal skin contact with soil and groundwater should be stressed.

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Tables

Table 1. Soil Boring Summary, AOC 3 (UXO-06), Marine Corps Base Camp Lejeune, Jacksonville, Onslow County, North Carolina.

Boring ID	Log/PID	Soil Sample Collected[1]	Groundwater Sample Collected[2]	Field Duplicates[3]
MMRP06-IS01	X	MMRP06-IS01		
MMRP06-IS02	X	MMRP06-IS02	*	
MMRP06-IS03	X	MMRP06-IS03		
MMRP06-IS04	X	MMRP06-IS04	MMRP06-TW04	
MMRP06-IS05	X	MMRP06-IS05		
MMRP06-IS06	X	MMRP06-IS06	MMRP06-TW06	MMRP06-TWFD1
MMRP06-IS07	X	MMRP06-IS07		
MMRP06-IS08	X	MMRP06-IS08	*	
MMRP06-IS09	X	MMRP06-IS09		
MMRP06-IS10	X	MMRP06-IS10	*	
MMRP06-IS11	X	MMRP06-IS11		
MMRP06-IS12	X	MMRP06-IS12	*	MMRP06-dup1
MMRP06-IS13	X	MMRP06-IS13		
MMRP06-IS14	X	MMRP06-IS14	*	
MMRP06-IS15	X	MMRP06-IS15		
MMRP06-IS16	X	MMRP06-IS16	*	
MMRP06-IS17	X	MMRP06-IS17		
MMRP06-IS18	X	MMRP06-IS18	*	
MMRP06-IS19	X	MMRP06-IS19		
MMRP06-IS20	X	MMRP06-IS20	*	
MMRP06-IS21	X	MMRP06-IS21		MMRP06-dup2
MMRP06-IS22	X	MMRP06-IS22	*	
MMRP06-IS23	X	MMRP06-IS23		
MMRP06-IS24	X	MMRP06-IS24	*	
MMRP06-IS25	X	MMRP06-IS25		
MMRP06-IS26	X	MMRP06-IS26	*	
MMRP06-IS27	X	MMRP06-IS27		
MMRP06-IS28	X	MMRP06-IS28	*	
MMRP06-IS29	X	MMRP06-IS29		
MMRP06-IS30	X	MMRP06-IS30	*	MMRP06-dup3
MMRP06-IS31	X	MMRP06-IS31		
MMRP06-IS32	X	MMRP06-IS32	*	
MMRP06-IS33	X	MMRP06-IS33		
MMRP06-IS34	X	MMRP06-IS34	*	
MMRP06-IS35	X	MMRP06-IS35		
MMRP06-IS36	X	MMRP06-IS36	*	
MMRP06-IS37	X	MMRP06-IS37		
MMRP06-IS38	X	MMRP06-IS38	*	MMRP06-dup4
MMRP06-IS39	X	MMRP06-IS39		
MMRP06-IS40	X	MMRP06-IS40	*	
MMRP06-IS41	X	MMRP06-IS41		
MMRP06-IS42	X	MMRP06-IS42	*	

Table 1. Soil Boring Summary, AOC 3 (UXO-06), Marine Corps Base Camp Lejeune, Jacksonville, Onslow County, North Carolina.

Notes:

*	Sample specified, but no groundwater encountered
VOCs	Volatile Organic Compounds
SVOCs	Semi Volatile Organic Compounds
PCBs	Polychlorinated Biphenyls
TOC	Total Organic Carbon
TPH-GRO	Total Petroleum Hydrocarbons - Gasoline Range Organics
TPH-DRO	Total Petroleum Hydrocarbons - Diesel Range Organics
1	Analyzed for VOCs (Method 8260B), SVOCs (Method 8270C), TCL PCB's (Method 8082), Explosive Residues (Method 8330), TAL metals (Method 6010/74220), Cyanide (Method 9012), TOC (Method 415.1), PCB's (Aroclors) (Method 8082), Total Organic Halogens (Method 9020 B), Perchlorate (Method 314), TCL pesticides (Method 8081A), TPH-GRO (Method 5030A/8015A), TPH-DRO (Method 3350A/8015A).
2	Analyzed for VOCs (Method 8260B), SVOCs (Method 8270C), TCL PCB's (Method 8082), Explosive Residues (Method 8330), TAL metals (Method 6010/74220), Cyanide (Method 9012), TOC (Method 415.1), PCB's (Aroclors) (Method 8082), Total Organic Halogens (Method 9020 B), Perchlorate (Method 314), TCL pesticides (Method 8081A), TPH-GRO (Method 5030A/8015A).
3	Analyzed for VOCs (Method 8260).

Table 2. Soil Analytical Summary (Hits Only), AOC 3 (UXO-06), Marine Corps Base Camp Lejeune, Jacksonville, Onslow County, North Carolina.

Sample ID	Depth	Date	Aluminum (Total)	Arsenic (Total)	Barium (Total)	Beryllium (Total)	Cadmium (Total)	Calcium (Total)	Chromium (Total)	Cobalt (Total)	Copper (Total)	Iron (Total)	Lead (Total)	Magnesium (Total)	Manganese (Total)	Nickel (Total)	Potassium (Total)	Silver (Total)	Sodium (Total)	Vanadium (Total)	Zinc (Total)
			Target Analyte List Metals (except Mercury)																		
		Method	SW6010B	SW6010B	SW6010B	SW6010B	SW6010B	SW6010B	SW6010B	SW6010B	SW6010B	SW6010B	SW6010B	SW6010B	SW6010B	SW6010B	SW6010B	SW6010B	SW6010B	SW6010B	SW6010B
	(ft bls)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
		NC Soil Remediation	NE	4.4	NE	30	7.4	NE	NE	NE	620	NE	400	NE	360	320	NE	78	NE	15.6	4,600
		Industrial PRG	100,000	1.6	67,000	1,900	450	NE	450	1,900	41,000	100,000	800	NE	19,000	20,000	NE	5,100	NE	1,000	100,000
MMRP06-IS01	3-7	5/22/2007	**5,500**	< 0.63	**10**	< 0.25	< 0.13	< 320	**7.1**	< 1.6	**1.6**	**2,500**	**3.1**	< 320	**11**	**2.7**	< 320	< 0.32	< 320	**6.8**	**25**
MMRP06-IS02	3-7	5/22/2007	**6,000**	< 0.63	**6.4**	< 0.25	< 0.13	< 320	**5.6**	< 1.6	**1.1**	**1,300**	**2.4**	< 320	**7.4**	**2.8**	< 320	< 0.32	< 320	**4.6**	**36**
MMRP06-IS03	1-5	5/22/2007	**5,400**	< 0.53	**8.8**	< 0.21	< 0.1	< 260	**6.4**	< 1.4	**1.4**	**2,300**	**2.8**	< 260	**10**	< 2.1	< 260	< 0.26	< 260	**7.2**	**7.5**
MMRP06-IS04	3-7	5/22/2007	**6,600**	< 0.64	**7.7**	< 0.26	< 0.13	< 320	**6.8**	< 1.7	**0.98**	**2,200**	**2.7**	< 320	**4.8**	< 2.6	< 320	< 0.32	< 320	**9.1**	**14**
MMRP06-IS05	3-7	5/22/2007	**5,100**	< 0.59	**6.9**	< 0.24	< 0.12	< 290	**4.9**	< 1.5	**0.8**	**1,000**	**2.9**	< 290	**7.5**	< 2.4	< 290	< 0.29	< 290	**5.7**	**37**
MMRP06-IS06	3-7	5/22/2007	**760**	< 0.62	< 1.6	< 0.25	< 0.12	< 310	**1.5**	< 1.6	< 0.31	**300**	**1.9**	< 310	**4.8**	< 2.5	< 310	< 0.31	< 310	< 3.1	**24**
MMRP06-IS07	3-7	5/22/2007	**4,200**	**0.98**	**5.4**	< 0.25	< 0.13	< 320	**4.6**	< 1.6	**1.0**	**1,200**	**3.0**	< 320	**6.3**	< 2.5	< 320	< 0.32	< 320	**5.6**	**14**
MMRP06-IS08	3-7	5/22/2007	**6,800**	< 0.59	**9.9**	< 0.23	< 0.12	**360**	**9.1**	< 1.5	**1.3**	**1,800**	**4.0**	< 290	**11**	< 2.3	**340**	< 0.29	< 290	**7.9**	**32**
MMRP06-IS09	3-7	5/22/2007	**22,000**	< 0.61	**21**	**0.25**	< 0.12	**620**	**19**	< 1.6	**2.7**	**4,400**	**6.0**	**720**	**18**	**3.9**	**1,100**	< 0.3	< 300	**21**	**27**
MMRP06-IS10	3-7	5/22/2007	**10,000**	**2.0**	**10**	< 0.24	< 0.12	< 300	**10**	< 1.6	**1.7**	**2,700**	**5.0**	**350**	**9.9**	< 2.4	**630**	< 0.3	< 300	**17**	**9.2**
MMRP06-IS11	3-7	5/22/2007	**19,000**	**3.6**	**20**	**0.25**	< 0.12	< 290	**23**	< 1.5	**3.1**	**6,500**	**6.0**	**670**	**12**	**3.0**	**1,000**	< 0.29	< 290	**30**	**12**
MMRP06-IS12	3-7	5/23/2007	**7,600**	**1.4**	**13**	< 0.22	< 0.11	**920**	**9.2**	< 1.4	**5.0**	**5,500**	**15**	**520**	**41**	**2.7**	**400**	< 0.27	< 270	**11**	**20**
MMRP06-dup1 *	3-7	5/23/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MMRP06-IS13	3-7	5/23/2007	**7,200**	**0.67**	**7.9**	< 0.22	< 0.11	< 280	**6.5**	< 1.4	**1.1**	**1,400**	**3.2**	< 280	**7.5**	< 2.2	**310**	< 0.28	< 280	**6.4**	**24**
MMRP06-IS14	3-7	5/23/2007	**15,000**	**0.8**	**14**	< 0.24	< 0.12	< 310	**13**	< 1.6	**2.2**	**2,700**	**5.8**	**490**	**13**	**2.5**	**780**	< 0.31	< 310	**12**	**18**
MMRP06-IS15	3-7	5/23/2007	**10,000**	**1.0**	**11**	< 0.22	< 0.11	< 280	**11**	< 1.4	**1.3**	**2,300**	**4.1**	**360**	**8.9**	< 2.2	**540**	< 0.28	< 280	**12**	**25**
MMRP06-IS16	3-7	5/23/2007	**12,000**	**1.0**	**17**	< 0.25	< 0.13	< 320	**12**	< 1.6	**1.7**	**3,200**	**4.5**	**490**	**12**	**2.6**	**520**	< 0.32	< 320	**15**	**16**
MMRP06-IS17	3-7	5/23/2007	**19,000**	**0.9**	**22**	< 0.23	< 0.12	< 290	**22**	< 1.5	**1.5**	**7,000**	**7.8**	**770**	**14**	**3.2**	**740**	< 0.29	< 290	**28**	**15**
MMRP06-IS18	3-7	5/23/2007	**9,700**	< 0.6	**19**	< 0.24	< 0.12	< 300	**9.5**	< 1.5	**1.4**	**3,500**	**5.6**	**320**	**15**	< 2.4	**300**	< 0.3	< 300	**13**	**10**
MMRP06-IS19	3-7	5/23/2007	**10,000**	**0.79**	**14**	< 0.22	< 0.11	< 280	**12**	< 1.4	**1.1**	**2,500**	**4.3**	**420**	**10**	< 2.2	**590**	< 0.28	< 280	**13**	**48**
MMRP06-IS20	3-7	5/23/2007	**15,000**	**0.67**	**18**	< 0.24	< 0.12	**980**	**19**	< 1.6	**1.7**	**4,000**	**7.3**	**700**	**17**	**3.2**	**780**	< 0.3	< 300	**22**	**15**
MMRP06-IS21	3-7	5/23/2007	**16,000**	**1.0**	**16**	< 0.23	< 0.12	**1,900**	**19**	< 1.5	**1.8**	**5,100**	**6.4**	**660**	**15**	**3.2**	**790**	< 0.29	< 290	**21**	**12**
MMRP06-dup2 **	3-7	5/23/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MMRP06-IS22	3-7	5/23/2007	**18,000**	**2.1**	**23**	< 0.23	< 0.11	**290**	**22**	< 1.5	**2.2**	**8,000**	**7.7**	**760**	**15**	**4.1**	**830**	< 0.29	< 290	**30**	**24**
MMRP06-IS23	3-7	5/23/2007	**13,000**	**1.5**	**20**	< 0.22	< 0.11	**12,000**	**15**	< 1.4	**1.8**	**5,500**	**5.5**	**660**	**31**	**4.4**	**680**	< 0.28	< 280	**19**	**41**
MMRP06-IS24	3-7	5/23/2007	**17,000**	**3.6**	**17**	< 0.23	< 0.11	< 280	**20**	< 1.5	**15**	**8,500**	**7.9**	**610**	**12**	**3.3**	**750**	**0.31**	< 280	**24**	**22**
MMRP06-IS25	3-7	5/23/2007	**6,700**	< 1.3	**13**	< 0.26	< 0.13	**37,000**	**13**	**1.8**	**2.8**	**3,100**	**5.7**	**780**	**70**	**7.8**	**470**	< 0.33	< 330	**9.5**	**35**
MMRP06-IS26	3-7	5/23/2007	**6,100**	**4.0**	**12**	**0.26**	**0.36**	**180,000**	**15**	**6.4**	**4.2**	**5,500**	**7.4**	**3,000**	**320**	**23**	**1,300**	< 0.31	< 310	**12**	**25**
MMRP06-IS27	3-7	5/24/2007	**15,000**	**0.67**	**21**	< 0.23	< 0.11	< 290	**15**	< 1.5	**2.3**	**3,400**	**5.2**	**590**	**12**	**2.7**	**780**	< 0.29	**550**	**19**	**24**
MMRP06-IS28	3-7	5/24/2007	**3,300**	**0.67**	**7.2**	< 0.27	< 0.13	< 340	**4.4**	< 1.7	**1.2**	**1,600**	**4.6**	< 340	**13**	< 2.7	< 340	< 0.34	< 340	**5.0**	**11**
MMRP06-IS29	3-7	5/24/2007	**17,000**	**0.97**	**19**	< 0.26	< 0.13	< 330	**16**	< 1.7	**2.7**	**3,500**	**5.7**	**620**	**12**	**3.7**	**850**	< 0.33	**590**	**17**	**44**
MMRP06-IS30	3-7	5/24/2007	**7,300**	< 0.66	**9.2**	< 0.26	< 0.13	< 330	**7.4**	< 1.7	**1.0**	**2,000**	**4.4**	< 330	**9.8**	< 2.6	**330**	< 0.33	< 330	**8.0**	**15**
MMRP06-ISdup3 ***	3-7	5/24/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MMRP06-IS31	3-7	5/24/2007	**12,000**	< 0.64	**14**	< 0.26	< 0.13	< 320	**12**	< 1.7	**1.7**	**2,800**	**4.5**	**470**	**11**	**2.8**	**530**	< 0.32	**440**	**12**	**31**
MMRP06-IS32	3-7	5/24/2007	**5,200**	**0.83**	**15**	< 0.26	< 0.13	< 330	**5.8**	< 1.7	**1.0**	**1,600**	**4.4**	< 330	**21**	< 2.6	< 330	< 0.33	< 330	**6.4**	**30**
MMRP06-IS33	3-7	5/24/2007	**23,000**	**1.2**	**26**	< 0.23	< 0.12	**9,000**	**26**	**2.0**	**2.0**	**5,700**	**7.8**	**990**	**30**	**6.0**	**990**	< 0.29	**770**	**30**	**36**
MMRP06-IS34	3-7	5/24/2007	**13,000**	**1.2**	**31**	< 0.21	< 0.1	**1,100**	**13**	< 1.3	**1.9**	**4,300**	**5.0**	**520**	**19**	**3.6**	**490**	< 0.26	**610**	**16**	**21**
MMRP06-IS35	3-7	5/24/2007	**17,000**	**2.3**	**26**	< 0.45	< 0.23	< 560	**16**	< 2.9	**2.7**	**8,000**	**5.8**	**610**	**15**	< 4.5	< 560	< 0.56	**950**	**21**	**11**
MMRP06-IS36	3-7	5/24/2007	**19,000**	**0.82**	**36**	< 0.22	< 0.11	**340**	**15**	**1.9**	**2.4**	**4,000**	**7.5**	**640**	**12**	**6.7**	**690**	< 0.28	**480**	**14**	**8.4**
MMRP06-IS37	3-7	5/24/2007	**12,000**	**1.8**	**18**	< 0.28	< 0.14	**7,000**	**16**	< 1.8	**2.4**	**5,000**	**4.6**	**610**	**24**	**4.1**	**640**	< 0.34	**770**	**17**	**45**
MMRP06-IS38	3-7	5/24/2007	**11,000**	**1.2**	**15**	< 0.25	< 0.12	< 310	**11**	< 1.6	**1.6**	**3,300**	**4.0**	**410**	**11**	< 2.5	**660**	< 0.31	**550**	**12**	**34**
MMRP06-ISdup4 ****	3-7	5/24/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MMRP06-IS39	3-7	5/24/2007	**9,900**	**0.67**	**10**	< 0.23	< 0.11	< 280	**9.8**	< 1.5	**1.4**	**1,900**	**5.2**	**320**	**14**	< 2.3	**450**	< 0.28	**330**	**11**	**35**
MMRP06-IS40	3-7	5/25/2007	**11,000**	< 0.57	**15**	< 0.23	< 0.11	**1,200**	**11**	< 1.5	**1.3**	**3,200**	**5.8**	**430**	**16**	< 2.3	**470**	< 0.28	< 280	**14**	**12**
MMRP06-IS41	3-7	5/25/2007	**6,500**	< 0.57	**12**	< 0.23	< 0.11	**320**	**6.0**	< 1.5	**0.92**	**2,000**	**4.2**	< 280	**15**	< 2.3	< 280	< 0.28	< 280	**7.7**	**18**
MMRP06-IS42	3-7	5/25/2007	**5,500**	**2.7**	**6.6**	< 0.27	< 0.14	< 340	**6.9**	< 1.8	**0.71**	**2,400**	**4.1**	< 340	**9.1**	< 2.7	< 340	< 0.34	< 340	**8.3**	< 3.4

Notes:

<	Constituent was not detected above the reporting limit.
Bold	Constituent concentration reported above the method detection limit.
	Constituent concentration exceeds NC soil remediation standard which is based on the Inactive Hazardous Sites Branch Health-Based Soil Remediation Goals.
	Constituent concentration exceeds USEPA (2004a) Region IX industrial soil PRG (Preliminary Remediation Goal).
	Constituent concentration exceeds both the NC soil standard and the USEPA Region IX PRG.
J	Constituent concentration is qualified as estimated.
UB	Nondetect due to blank contamination.
µg/kg	Micrograms per kilogram.
mg/kg	Milligrams per kilogram.
ft bls	Feet below land surface.
NA	Not analyzed.
TPH-DRO	Total petroleum hydrocarbons - diesel range organics.
VOCs	Volatile organic compounds.
NE	Not established.
*	MMRP06-ISdup1 collected from MMRP06-IS12
**	MMRP06-ISdup2 collected from MMRP06-IS21
***	MMRP06-ISdup3 collected from MMRP06-IS30
****	MMRP06-ISdup4 collected from MMRP06-IS38
-	Potential low bias
+	Potential high bias

Table 2. Soil Analytical Summary (Hits Only), AOC 3 (UXO-06), Marine Corps Base Camp Lejeune, Jacksonville, Onslow County, North Carolina.

			TPH-DRO	*Pesticides*					*VOCs*	*Perchlorate*	*Extractable Organic Halides*	*Total Organic Carbon*
Sample ID	**Depth**	**Date**	**TPH-DRO**	**Edrin Ketone**	**gamma BHC (Lindane)**	**Heptachlor Epoxide**	**p,p-DDD**	**p,p-DDE**	**Acetone**	**Perchlorate**	**Extractable Organic Halides**	**Total Organic Carbon (TOC)**
	(ft bls)	Method	SW8015 (ug/kg)	SW8081A (ug/kg)	SW8081A (ug/kg)	SW8081A (ug/kg)	SW8081A (ug/kg)	SW8081A (ug/kg)	SW8260 (ug/kg)	314 (mg/kg)	SW9023 (mg/kg)	WBLACK (mg/kg)
NC Soil Remediation (µg/kg)			NE	NE	440	53	2,400	1,700	2,800,000	NE	NE	NE
Industrial PRG (µg/kg)			NE	NE	1,700	190	10,000	7,000	54,000,000	100	NE	NE
MMRP06-IS01	3-7	5/22/2007	**9,600**	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	**94**	<1.09	72.3	**1,300 J**
MMRP06-IS02	3-7	5/22/2007	< 8400	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	**48**	<1.3	< 59.3	**340 J**
MMRP06-IS03	1-5	5/22/2007	< 7100	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8	**210**	<1.06	< 53.1	**320 J**
MMRP06-IS04	3-7	5/22/2007	< 8600	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	**130**	<1.22	< 55.3	**480 J**
MMRP06-IS05	3-7	5/22/2007	< 7900	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 19	<1.14	< 58.1	**610 J**
MMRP06-IS06	3-7	5/22/2007	< 8300	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 22	<1.25	< 59.4	**2,600 J**
MMRP06-IS07	3-7	5/22/2007	**22,000**	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	**78**	<1.24	< 63.6	**12,000 J**
MMRP06-IS08	3-7	5/22/2007	**12,000**	**3.8**	< 2.0	< 2.0	< 2.0	**17**	**31**	<1.17	< 59.7	**1,200 J**
MMRP06-IS09	3-7	5/22/2007	< 8200	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 86	<1.26	< 63.2	**2,600 J**
MMRP06-IS10	3-7	5/22/2007	< 8100	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 20	<1.28	< 62.7	**860 J**
MMRP06-IS11	3-7	5/22/2007	< 7900	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 26	<1.15	**60.4**	< 200
MMRP06-IS12	3-7	5/23/2007	**38,000**	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 17	<1.09	**62.8 UB**	**450**
MMRP06-dup1 *	3-7	5/23/2007	NA	NA	NA	NA	NA	NA	**20**	NA	NA	NA
MMRP06-IS13	3-7	5/23/2007	< 7500	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 24	<1.09	< 63.0	< 200
MMRP06-IS14	3-7	5/23/2007	< 8200	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 24	<1.09	< 53.0	< 200
MMRP06-IS15	3-7	5/23/2007	< 7500	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 19	<1.27	< 59.7	< 200
MMRP06-IS16	3-7	5/23/2007	< 8500	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 19	<1.18	< 57.5	**210**
MMRP06-IS17	3-7	5/23/2007	< 7800	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 26	<1.15	< 58.5	**260**
MMRP06-IS18	3-7	5/23/2007	< 8000	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 18	<1.15	**79.6 UB**	**490**
MMRP06-IS19	3-7	5/23/2007	< 7400	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 18	<1.14	**88.5 UB**	**300**
MMRP06-IS20	3-7	5/23/2007	< 8000	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**120**	<1.21	< 57.9	**370**
MMRP06-IS21	3-7	5/23/2007	< 7800	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**29**	<1.11	**69.0 UB**	**280**
MMRP06-dup2 **	3-7	5/23/2007	NA	NA	NA	NA	NA	NA	< 17	NA	NA	NA
MMRP06-IS22	3-7	5/23/2007	< 7700	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 18	<1.17	< 56.9	**640**
MMRP06-IS23	3-7	5/23/2007	**25,000**	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 22	<1.23	< 61.3	**320**
MMRP06-IS24	3-7	5/23/2007	< 7600	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 22	<1.06	**72.6 UB**	< 200
MMRP06-IS25	3-7	5/23/2007	**13,000**	**3.5**	< 2.2	< 2.2	< 2.2	< 2.2	**32**	**96.9**	**99.4 UB**	**2,700**
MMRP06-IS26	3-7	5/23/2007	**15,000**	< 2.1	<2.1	<2.1	<2.1	< 2.1	< 23	<1.26	**115**	**1,800**
MMRP06-IS27	3-7	5/24/2007	< 7700	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 21	<1.24	< 62.3	**3,400 J-**
MMRP06-IS28	3-7	5/24/2007	< 9000	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 28	<1.33	< 66.0	**1,400**
MMRP06-IS29	3-7	5/24/2007	< 8800	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 27	**20.3**	< 57.9	< 200
MMRP06-IS30	3-7	5/24/2007	< 8900	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 26	<1.1	< 58.5	< 200
MMRP06-ISdup3 ***	3-7	5/24/2007	NA	NA	NA	NA	NA	NA	< 19	NA	NA	NA
MMRP06-IS31	3-7	5/24/2007	**9,500**	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 22	<1.1	< 62.1	< 200
MMRP06-IS32	3-7	5/24/2007	< 8800	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 21	<1.09	< 62.2	**1,000**
MMRP06-IS33	3-7	5/24/2007	< 7700	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 22	<1.19	< 59.7	**2,400**
MMRP06-IS34	3-7	5/24/2007	< 6900	<1.8	< 1.8	< 1.8	< 1.8	< 1.8	**48**	<1.13	< 61.3	**750**
MMRP06-IS35	3-7	5/24/2007	< 7600	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	**25**	<1.09	< 59.3	< 200
MMRP06-IS36	3-7	5/24/2007	< 7500	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 20	<1.31	< 58.3	**380**
MMRP06-IS37	3-7	5/24/2007	< 9200	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 25	<1.29	< 62.4	**620**
MMRP06-IS38	3-7	5/24/2007	< 8400	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	**95 J**	<1.27	< 62.0	**1,400**
MMRP06-ISdup4 ****	3-7	5/24/2007	NA	NA	NA	NA	NA	NA	< 21J	NA	NA	NA
MMRP06-IS39	3-7	5/24/2007	< 7600	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 18	<1.32	< 56.3	< 200
MMRP06-IS40	3-7	5/25/2007	**20,000**	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	**110**	<1	< 56.6	**740 J-**
MMRP06-IS41	3-7	5/25/2007	< 7700	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	**120**	<1.21	< 59.2	**1,700**
MMRP06-IS42	3-7	5/25/2007	< 9200	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3	< 24	<1.12	< 61.9	< 190

Notes:

<	Constituent was not detected above the reporting limit.
Bold	Constituent concentration reported above the method detection limit.
	Constituent concentration exceeds NC soil remediation standard which is based on the Inactive Hazardous Sites Branch Health-Based Soil Remediation Goals.
	Constituent concentration exceeds USEPA (2004a) Region IX industrial soil PRG (Preliminary Remediation Goal).
	Constituent concentration exceeds both the NC soil standard and the USEPA Region IX PRG.
J	Constituent concentration is qualified as estimated.
UB	Nondetect due to blank contamination.
µg/kg	Micrograms per kilogram.
mg/kg	Milligrams per kilogram.
ft bls	Feet below land surface.
NA	Not analyzed.
TPH-DRO	Total petroleum hydrocarbons - diesel range organics.
VOCs	Volatile organic compounds.
NE	Not established.
*	MMRP06-ISdup1 collected from MMRP06-IS12
**	MMRP06-ISdup2 collected from MMRP06-IS21
***	MMRP06-ISdup3 collected from MMRP06-IS30
****	MMRP06-ISdup4 collected from MMRP06-IS38
-	Potential low bias
+	Potential high bias

Table 3. Groundwater Analytical Summary (Hits Only), AOC 3 (UXO-06), Marine Corps Base Camp Lejeune, Jacksonville, Onslow County, North Carolina.

Sample ID	Depth to Water (ft bls)	Date	Target Analyte List Metals																	Total Organic Carbon	Total Organic Halides
		Method	Aluminum (Total) SW6010B (mg/l)	Arsenic (Total) SW6010B (mg/l)	Barium (Total) SW6010B (mg/l)	Cadmium (Total) SW6010B (mg/l)	Calcium (Total) SW6010B (mg/l)	Chromium (Total) SW6010B (mg/l)	Copper (Total) SW6010B (mg/l)	Iron (Total) SW6010B (mg/l)	Lead (Total) SW6010B (mg/l)	Magnesium (Total) SW6010B (mg/l)	Manganese (Total) SW6010B (mg/l)	Nickel (Total) SW6010B (mg/l)	Potassium (Total) SW6010B (mg/l)	Sodium (Total) SW6010B (mg/l)	Vanadium (Total) SW6010B (mg/l)	Zinc (Total) SW6010B (mg/l)	Mercury SW7470A (mg/l)	Total Organic Carbon (TOC) E415.1 (mg/l)	Total Organic Halides (TOX) SW9020B (mg/L)
		2L Standard	NE	0.05	2.0	0.00175	NE	0.05	1.0	0.3	0.015	NE	0.05	0.1	NE	NE	NE	1.05	0.00105	NE	NE
		Tap Water PRG	36	0.000045	2.6	0.018	NE	NE	1.5	11	NE	NE	0.88	0.73	NE	NE	0.036	11	NE	NE	NE
MMRP06-TW04	4.90	5/23/2007	**290**	**0.026**	**0.48**	**0.0039**	**32**	**0.37**	**0.048**	**120**	**0.11**	**12**	**0.23**	**0.098**	**12**	**7.4**	**0.39**	**0.13**	**0.00044**	**6.0**	< 0.01
MMRP06-TW06	5.65	5/23/2007	**14**	< 0.01	**0.079**	< 0.002	< 5	0.02	< 0.005	**4.0**	< 0.01	< 5	**0.033**	< 0.04	< 5	**9.0**	< 0.05	< 0.02	< 0.0001	**3.2**	**0.0304**
MMRP06-TWFD1*	5.65	5/23/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

<	Constituent was not detected above the reporting limit.
Bold	Constituent concentration reported above the method detection limit.
	Constituent concentration exceeds the 15A NCAC 2L Groundwater Standard.
	Constituent concentration exceeds USEPA (2004a) Region IX tap water PRG (Preliminary Remediation Goal).
	Constituent concentration exceeds both the NCAC 2L groundwater standard and the USEPA Region IX PRG.
J	Constituent concentration is qualified as estimated.
µg/L	Micrograms per liter.
mg/L	Milligrams per liter.
ft bls	Feet below land surface.
NA	Not analyzed.
NE	Not established.
*	MMRP06-TWFD1 collected from MMRP06-TW06 and analyzed for VOCs only.

Table 4. Physical and Chemical Properties, AOC 2 (IR 78), Marine Corps Base Camp Lejeune, Jacksonville, Onslow County, North Carolina.

Constituent	Molecular Weight (g/mol)	Water Solubility (mg/L 25 °C)	Vapor Pressure (mm Hg 25 °C)	Henry's Law Constant (atm-m³/mol) (25 °C)	Diffusivity in Air (cm²/sec)	Diffusivity in Water (cm²/sec)	Koc (mL/g)	Log Kow	Soil T ½ Low - High (days)
Semivolatile Organic Compounds									
Phenanthrene	178.23	1.15	0.000112	2.33E-05	0.0543	5.85E-06	29,700	4.46	16 - 200

References: CHEMFATE (SRC 2004), Howard et al. (1991), Lyman, et al. (1990), SCDM (USEPA 2004c), .

atm-m³/mol Atmospheres × cubic meters per mole.
°C Degrees Celsius.
cm²/sec Square centimeters per second.
g/mol Grams per mole.
Koc Organic carbon partition coefficient (organics).
Kow Octanol-water partition coefficient.
mg/L Milligrams per liter.
mL/g Milliliters per gram.
mm Hg Millimeters of mercury.
T½ Half-life.

Table 5. Noncarcinogenic Toxicity Values for Oral and Dermal Exposure, AOC 2 (IR 78), Marine Corps Base Camp Lejeune, Jacksonville, Onslow County, North Carolina.

Constituent	Oral RfD (mg/kg/day) Subchronic		Oral RfD (mg/kg/day) Chronic		Adjustment Factor [a]	Dermal RfD (mg/kg/day) Subchronic	Dermal RfD (mg/kg/day) Chronic	Inhalation RfD (mg/kg/day) Subchronic	Inhalation RfD (mg/kg/day) Chronic	Target Site/ Critical Effect	Confidence Level/ Uncertainty Factor
Semivolatile Organic Compounds											
Phenanthrene	3.0E+00	*Hs*	3.0E-01	*Is*	1	3.0E+00	3.0E-01	NA	NA	NR	NA

References: *H* USEPA (1997) (Health Effects Assessment Summary Tables [HEAST]).
I USEPA (2007) Integrated Risk Information System (IRIS).

[a] The oral-to-dermal adjustment factor (oral absorption efficiency) (USEPA 2004c) was used to calculate the dermal RfD values:
RfD (dermal) = RfD (oral) × Adjustment Factor (oral absorption efficiency)

c The chronic value is used if available.
mg/kg/day Milligrams per kilogram per day.
NA Not available.
NR Not reported.
RfD Reference dose.
s Value is based on use of a surrogate compound, as indicated.

Table 6. Noncarcinogenic Toxicity Values for Inhalation Exposure, AOC 2 (IR 78), Marine Corps Base Camp Lejeune, Jacksonville, Onslow County, North Carolina.

Constituent	Inhalation RfD (mg/kg/day)		Target Site/ Critical Effect	Confidence Level/ Uncertainty Factor
	Subchronic	Chronic		
Semivolatile Organic Compounds				
Phenanthrene	NA	NA	NA	NA

mg/kg/day Milligrams per kilogram per day.
NA Not available.
RfD Reference dose.

Table 7. Carcinogenic Toxicity Values for Oral and Dermal Exposure, AOC 2 (IR 78), Marine Corps Base Camp Lejeune, Jacksonville, Onslow County, North Carolina.

Constituent	Oral CSF $(mg/kg/day)^{-1}$	Adjustment Factor [a]	Dermal CSF [a] $(mg/kg/day)^{-1}$	Tumor Site	Weight of Evidence Classification
Semivolatile Organic Compounds					
Phenanthrene	NC	1	NC	–	D

[a] The oral-to-dermal adjustment factor (oral absorption efficiency) (USEPA 2004b) was used to calculate the dermal CSF values:
CSF (dermal) = CSF (oral) / Adjustment Factor (oral absorption efficiency)

– Not applicable.
CSF Cancer slope factor.
$(mg/kg/day)^{-1}$ Inverse milligrams per kilogram per day (risk per unit dose).
NC Not evaluated as a carcinogen.

Table 8. Carcinogenic Toxicity Values for Inhalation Exposure, AOC 2 (IR 78), Marine Corps Base Camp Lejeune, Jacksonville, Onslow County, North Carolina.

Constituent	Inhalation CSF $(mg/kg/day)^{-1}$	Tumor Site	Weight of Evidence Classification
Semivolatile Organic Compounds			
Phenanthrene	NC	–	D

–	Not applicable.
CSF	Cancer slope factor.
$(mg/kg/day)^{-1}$	Inverse milligrams per kilogram per day (risk per unit dose).
NC	Not evaluated as a carcinogen.

Table 9. Dermal Absorption Parameters, AOC 2 (IR 78), Marine Corps Base Camp Lejeune, Jacksonville, Onslow County, North Carolina.

Constituent	ABSd [DRA]	Kp (cm/hour)		Non-Steady State Dermal Absorption Parameters [a] FA (unitless)	τ (hour)	t* (hour)	B (unitless)	
Semivolatile Organic Compounds								
Phenanthrene	0.13	1.4E-01	*DRA*	1.0	1.06	4.11	0.719	*DRA*

References: *DRA* USEPA (2004b) (Dermal Risk Assessment). The B values are calculated but are consistent with values presented in USEPA (2004b) guidance.

[a] Absorption parameters for use in the non-steady state model for dermal contact with constituents in water.

τ	Lag time for dermal absorption through the skin.
ABSd	Dermal absorption efficiency for dermal contact with constituents in soil.
B	Ratio of the permeability coefficient through the stratus corneum relative to the permeability coefficient across the viable epidermis.
cm	Centimeter.
FA	Fraction of absorbed water.
Kp	Permeability coefficient for dermal contact with constituents in water.
t*	Time required to reach steady state.

Table 10. Receptor-Specific Exposure Parameters, AOC 2 (IR 78), Marine Corps Base Camp Lejeune, Jacksonville, Onslow County, North Carolina.

Parameter	Symbol	units	Construction Worker	
General Factors				
Averaging Time (cancer)	ATc	days	25,550	[a]
Averaging Time (noncancer)	ATnc	days	42	[a]
Body Weight	BW	kg	70	[b,c]
Exposure Frequency	EF	days/year	30	PJ
Exposure Duration	ED	years	1	PJ
Soil - Ingestion (Oral)				
Incidental Soil Ingestion Rate	IRs	mg/day	330	[d]
Fraction Ingested from Souce	FI	unitless	1	
Soil - Dermal Contact				
Exposed Skin Surface Area	SSAs	cm^2	3,300	[d]
Soil-to-Skin Adherence Rate	SAR	$mg/cm^2/day$	0.3	[d]
Soil - Inhalation of Dust and Vapor				
Breathing Rate	BRs	m^3/day	20	[b,c]

[a] The averaging time for cancer risk is the expected lifespan of 70 years expressed in days.
The averaging time for non-cancer hazard is the total exposure duration expressed in days.
[b] USEPA (1989).
[c] USEPA (1991).
[d] USEPA (2002)

AOC	Area of concern.	L	Liter.
cm	Centimeter.	m	Meter.
IR	Installation restoration.	mg	Milligram.
kg	Kilogram.	PJ	Professional judgment (see text).

Table 11. Risk and Hazard Equations for Exposure to Soil, AOC 2 (IR 78), Marine Corps Base Camp Lejeune, Jacksonville, Onslow County, North Carolina.

ROUTE-SPECIFIC RISK/HAZARD:

Oral:

$$ELCR_o \text{ or } HQ_o = \frac{EPCs \times FI \times IRs \times EF \times ED}{(10^6\ mg/kg) \times BW \times (AT_C \text{ or } AT_{NC}) \times ([1/CSF_o] \text{ or } RfD_o)}$$

Dermal:

$$ELCR_d \text{ or } HQ_d = \frac{EPCs \times SSAs \times SAR \times ABSd \times EF \times ED}{(10^6\ mg/kg) \times BW \times (AT_C \text{ or } AT_{NC}) \times ([1/CSF_a] \text{ or } RfD_a)}$$

Inhalation:

$$ELCR_i \text{ or } HQ_i = \frac{EPC_i \times BRs \times EF \times ED}{(VF \text{ or } PEF) \times BW \times (AT_C \text{ or } AT_{NC}) \times ([1/CSF_i] \text{ or } RfD_i)}$$

$$VF = \frac{Q/C_{vol} \times [3.14 \times D_A \times T]^{1/2}}{2 \times \rho_b \times D_A \times (10{,}000\ cm^2/m^2)}$$

used for VOCs

$$PEF = \frac{Q/C_{wind} \times (3{,}600\ sec/hr)}{RPF \times (1-V) \times (Um/Ut)^3 \times Fx}$$

used for non-VOCs

$$D_A = \frac{[(\theta_{as}^{10/3} \times D_{air} \times H_o) + (\theta_{ws}^{10/3} \times D_{wat})] / \theta_T^2}{(\rho_b \times Koc \times Foc) + \theta_{ws} + (\theta_{as} \times H_o)}$$

EPC_i = MINIMUM [EPCs, C_{sat}] OR = EPCs when C_{sat} is not relevant

$$C_{sat} = \frac{S}{\rho_b} \times [(Koc \times Foc \times \rho_b) + \theta_{ws} + (H_o \times \theta_{as})]$$

C_{sat} is relevant only for organic constituents with melting point below 30°C.

TOTAL CANCER RISK: $ELCR = ELCR_o + ELCR_d + ELCR_i$

TOTAL NON-CANCER HAZARD: $HI = HQ_o + HQ_d + HQ_i$

Variable Definitions:

θ_{as}	Air-filled porosity of the soil (unitless).
θ_T	Total soil porosity (unitless).
θ_{ws}	Water-filled porosity of the soil (unitless).
ρ_b	Dry soil bulk density (g/cm³).
ABSd	Dermal absorption efficiency (unitless) (Table 9).
AT_C	Averaging time for cancer effects (days) (Table 10).
AT_{NC}	Averaging time for noncancer effects (days) (Table 10).
BRs	Breathing rate for soil exposure (m³/day) (Table 10).
BW	Body weight (kg) (Table 10).
C_{sat}	Constituent saturation limit in soil (mg/kg).
CSF	Cancer slope factor for oral (CSF_o), dermal (adjusted to an absorbed dose, CSF_a), or inhalation (CSF_i) exposure (kg-day/mg [inverse mg/kg/day]) (Tables 7 and 8).
D_A	Apparent diffusivity in soil (cm²/sec).
D_{air}	Constituent diffusivity in air (cm²/sec) (Table 4).
D_{wat}	Constituent diffusivity in water (cm²/sec) (Table 4).

Table 11. Risk and Hazard Equations for Exposure to Soil, AOC 2 (IR 78), Marine Corps Base Camp Lejeune, Jacksonville, Onslow County, North Carolina.

ED	Exposure duration (years) (Table 10).
EF	Exposure frequency (days/year) (Table 10).
ELCR	Excess lifetime cancer risk (unitless).
EPCs	Maximum concentration in soil (mg/kg).
EPC_i	Exposure point concentration relevant to inhalation (mg/kg) (minimum of EPCs and C_{sat}).
FI	Fraction ingested from area of concern (unitless) (Table 10).
Foc	Fraction organic carbon in the soil (unitless).
Fx	Function of Ut/Um (unitless); $Fx = 0.18 \times (8x^3 + 12x) \times \exp[-(x^2)]$, where $x = 0.886 \times (Ut/Um)$.
H	Henry's law constant (atm-m³/mol) (Table 4).
HI	Hazard index for non-cancer effects (unitless); sum of the HQs.
H_o	Dimensionless Henry's law constant (unitless); calculated as $H_o = H / RT$.
HQ	Hazard quotient for non-cancer effects (unitless).
IRs	Ingestion rate of soil (mg/day) (Table 10).
Koc	Organic carbon partition coefficient (cm³/g = mL/g = L/kg) (Table 4).
PEF	Particulate emission factor (m³/kg).
Q/C_{vol}	Volatile emission flux per unit concentration [(g/m²/sec)/(kg/m³)].
Q/C_{wind}	Particulate emission flux per unit concentration [(g/m²/sec)/(kg/m³)].
RfD	Reference dose for oral (RfD_o), dermal (adjusted to an absorbed dose, RfD_a), or inhalation (RfD_i) exposure (mg/kg/day) (Tables 5 and 6).
RPF	Respirable particle fraction (0.036 g/m²/hr).
RT	Product of the universal gas constant ($R = 8.206 \times 10^{-5}$ atm-m³/mol/K) and the relevant Kelvin temperature (T = 298.15 K); RT = 0.02447 atm-m³/mol.
S	Constituent solubility limit in water (mg/L).
SAR	Soil-to-skin adherence rate (mg/cm²/day) (Table 10).
SSAs	Exposed skin surface area for soil contact (cm²) (Table 10).
T	Exposure interval (sec).
Um	Mean annual wind speed (m/sec).
Ut	Equivalent threshold value of windspeed at 7 meters (11.32 m/sec).
V	Fraction of vegetative cover (unitless).
VF	Volatilization factor (m³/kg).
x	Intermediate value in the calculation of PEF; $x = 0.886 \times (Ut/Um)$.
VOCs	Volatile organic compounds.

Table 12. Calculation of Volatilization and Particulate Emission Factors for Soil Exposure, AOC 2 (IR 78), Marine Corps Base Camp Lejeune, Jacksonville, Onslow County, North Carolina.

Volatilization Factors: (calculated only for volatile organic compounds)

Constituent	Solubility in Water (mg/L) (S)	Saturation Limit in Soil (mg/kg) (Csat)	Diffusivity in Air (cm^2/sec) (D_{air})	Diffusivity in Water (cm^2/sec) (D_{wat})	Henry's Law Constant (atm-m^3/mol) (H)	Henry's Law Constant (unitless) (H_o)	Partition Coefficient (mL/g) (Koc)	Apparent Diffusivity (cm^2/sec) (D_A)	Volatilization Factor (m^3/kg) (VF)
Semivolatile Organic Compounds									
Phenanthrene	1.15	—	0.0543	5.85E-06	2.33E-05	9.52E-04	29,700	1.57E-08	9.92E+05

Particulate Emission Factor:

x =	4.012	unitless	Function of Ut/Um; x = 0.886 × (Ut/Um)
Fx =	1.04E-05	unitless	Function of x; Fx = 0.18 × ($8x^3$ + 12x) × exp($-x^2$)
PEF =	8.38E+13	m^3/kg	Particulate emission factor (m^3/kg)

Model Input Parameters:

Foc =	0.006	unitless	Fraction organic carbon (USEPA 2002, default)
ρ_b =	1.5	g/cm^3	Soil dry bulk density (USEPA 2002, default)
θ_T =	0.434	unitless	Total soil porosity (USEPA 2002, default)
θ_{as} =	0.284	unitless	Air-filled soil porosity [= θ_T - θ_{ws}]
θ_{ws} =	0.15	unitless	Water-filled soil porosity (USEPA 2002, default)
Q/C_{vol} =	68.18	(g/m^2/sec)/(kg/m^3)	Volatilization flux per unit concentration (USEPA 2002, default)
Q/C_{wind} =	93.77	(g/m^2/sec)/(kg/m^3)	Wind-related particulate emission flux per unit concentration (USEPA 2002, default)
RPF =	0.036	g/m^2/hour	Respirable particle fraction (USEPA 2002).
T =	9.5E+08	sec	Exposure interval (USEPA 2002)
Um =	2.5	m/sec	Mean annual wind speed for Jacksonville, NC (NDOE 2007)
Ut =	11.32	m/sec	Equivalent threshold value of windspeed at 7 meters (USEPA 2002)
V =	0	unitless	Fraction vegetative cover (USEPA 2002, default)

atm	Atmosphere.	kg	Kilogram.	mol	Mole.
cm	Centimeter.	L	Liter.	NA	Not available.
g	Gram.	m	Meter.	sec	Second.
		mL	Milliliter.		

Table 13. Risk and Hazard Calculations for Construction Worker Exposure to Soil, AOC 2 (IR 78), Marine Corps Base Camp Lejeune, Jacksonville, Onslow County, North Carolina.

Constituent	EPCs (mg/kg)	VF or PEF [a] (m^3/kg)	CANCER RISK				Percent Total ELCR	NON-CANCER HAZARD				Percent Total HI
			Route-Specific Risk			Calculated Risk		Route-Specific Hazard			Calculated Hazard	
			Oral	Dermal	Inhalation			Oral	Dermal	Inhalation		
		(Table 12)	ELCRo	ELCRd	ELCRi	ELCR		HQo	HQd	HQi	HI	
Semivolatile Organic Compounds												
Phenanthrene	0.51	9.92E+05 V	NC	NC	NC	NC	–	5.7E-07	2.2E-07	NA	8.0E-07	100%
			Total ELCR			–		Total HI			0.0000008	100%

[a] Minimum of the volatilization factor (identified with "V") and the particulate emission factor (PEF) (identified with "P"), both derived on Table 12.

–	Not applicable.	HQ	Hazard quotient.	NC	Not evaluated as a carcinogen.
ELCR	Excess lifetime cancer risk.	mg/kg	Milligrams per kilogram.	PEF	Particulate emission factor.
EPCs	Maximum concentration in soil (mg/kg).	m^3/kg	Cubic meters per kilogram.	VF	Volatilization factor.
HI	Hazard index (sum of the HQs).	NA	Not available.		

Equations: (see Table 11)

ELCRo = (EPCs × 1 × 330 × 30 × 1 × CSFo) / (1,000,000 × 70 × 25,550)

ELCRd = (EPCs × 3,300 × 0.30 × ABSd × 30 × 1 × CSFa) / (1,000,000 × 70 × 25,550)

ELCRi = (EPCs × 20 × 30 × 1 × CSFi) / ([VF or PEF] × 70 × 25,550)

HQo = (EPCs × 1 × 330 × 30 × 1) / (1,000,000 × 70 × 42 × RfDo)

HQd = (EPCs × 3,300 × 0.30 × ABSd × 30 × 1) / (1,000,000 × 70 × 42 × RfDa)

HQi = (EPCs × 20 × 30 × 1) / ([VF or PEF] × 70 × 42 × RfDi)

Table 14. Summary of Calculated Risks and Hazards, AOC 2 (IR 78), Marine Corps Base Camp Lejeune, Jacksonville, Onslow County, North Carolina.

RECEPTOR	Exposure Medium - Scenario	Calculation Table	Total Excess Lifetime Cancer Risk	Total Non-Cancer Hazard
Construction Worker				
	Soil	Table 13.	–	0.0000008
TOTAL SITE RISKS (Construction Worker):			–	0.0000008

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Figures

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Onslow Water & Sewer Authority

FIGURE 1
SITE LOCATION MAP
AOC 3 (UXO-06)
Marine Corps Base Camp Lejeune
Jacksonville, Onslow County, North Carolina

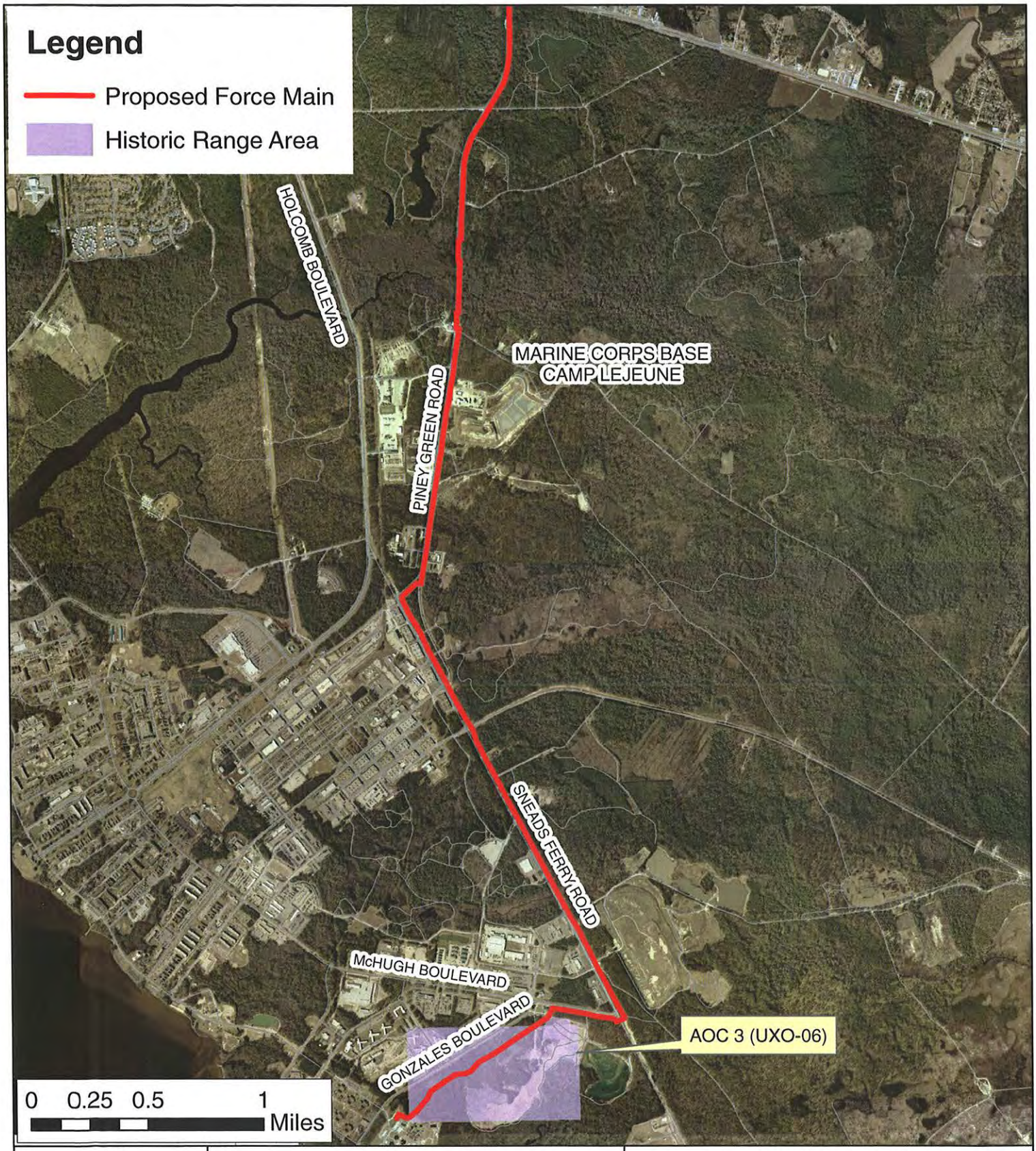

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FIGURE 2
AREA LOCATION MAP
AOC 3 (UXO-06)

Marine Corps Base Camp Lejeune
Jacksonville, Onslow County, North Carolina

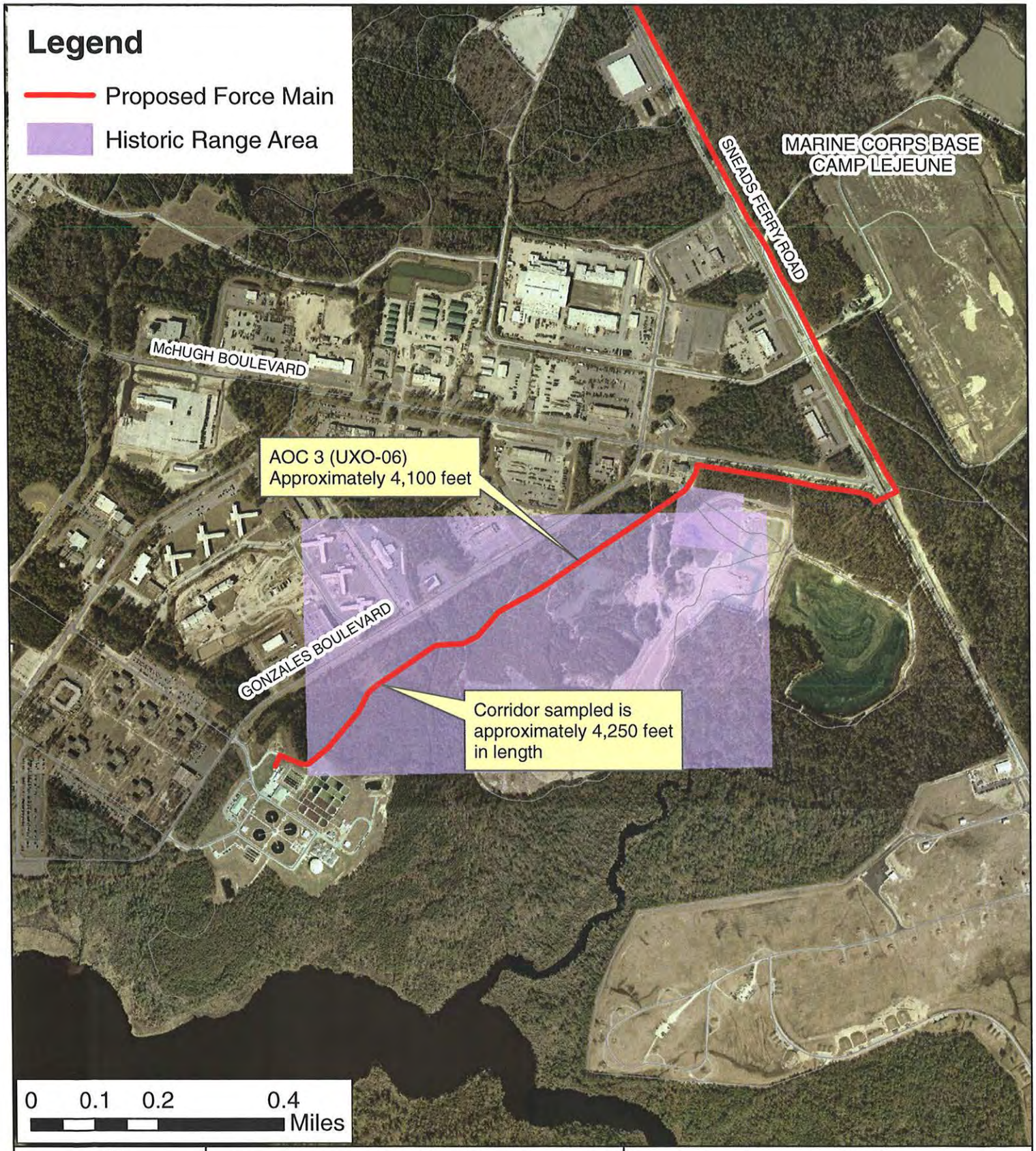

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FIGURE 3
SITE MAP
AOC 3 (UXO-06)

Marine Corps Base Camp Lejeune
Jacksonville, Onslow County, North Carolina

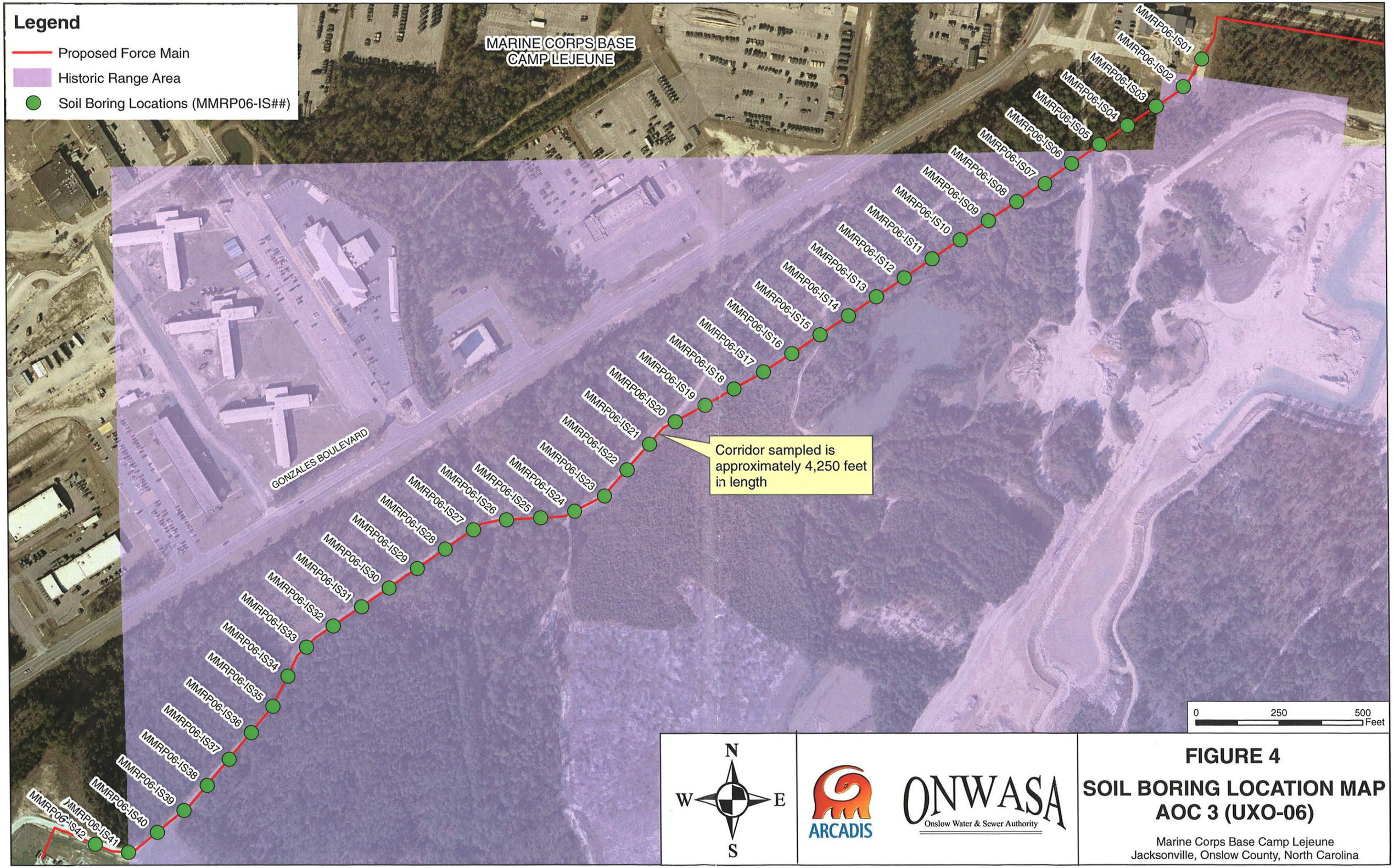

FIGURE 4

SOIL BORING LOCATION MAP
AOC 3 (UXO-06)

Marine Corps Base Camp Lejeune
Jacksonville, Onslow County, North Carolina

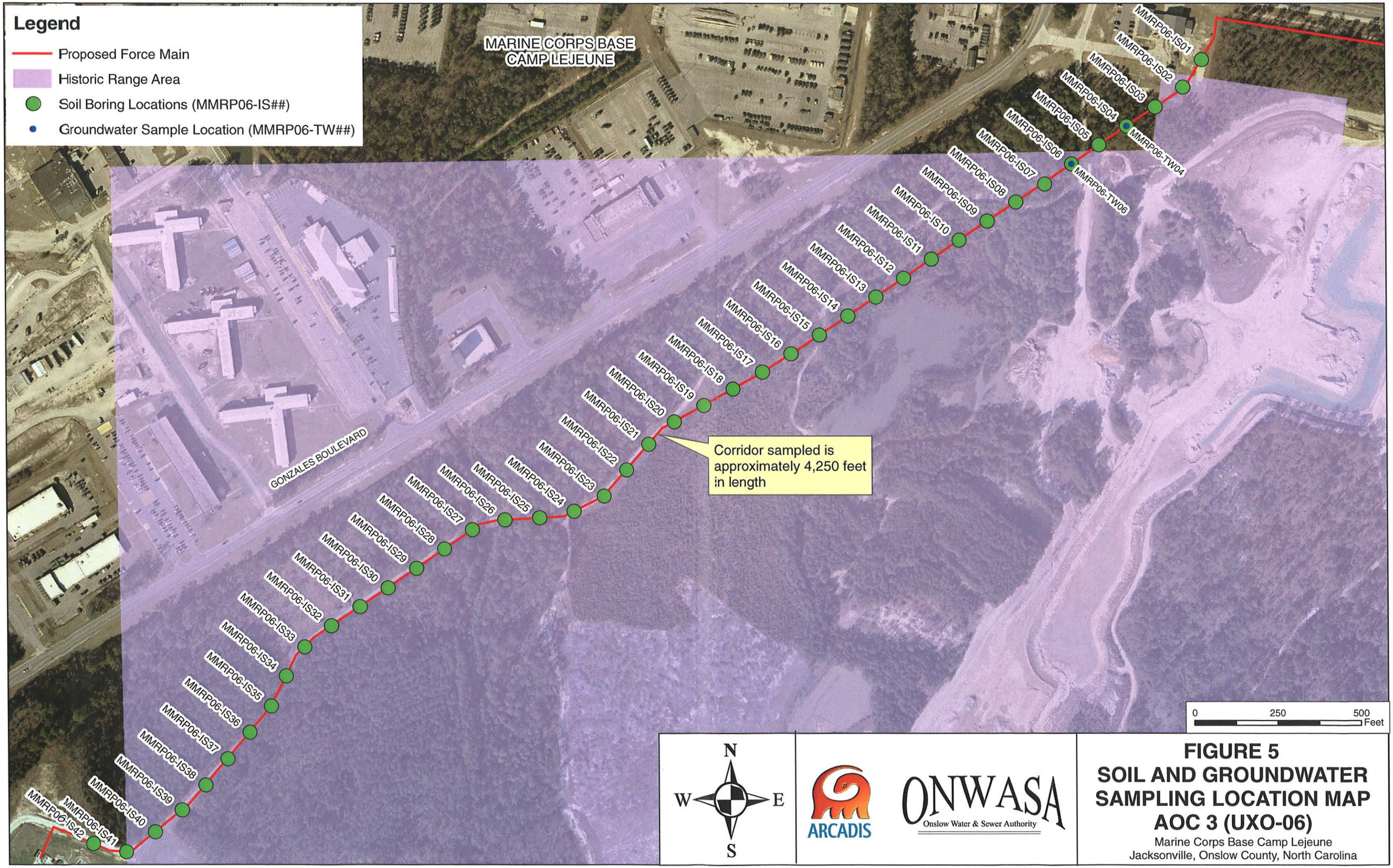

FIGURE 5
SOIL AND GROUNDWATER SAMPLING LOCATION MAP
AOC 3 (UXO-06)
Marine Corps Base Camp Lejeune
Jacksonville, Onslow County, North Carolina

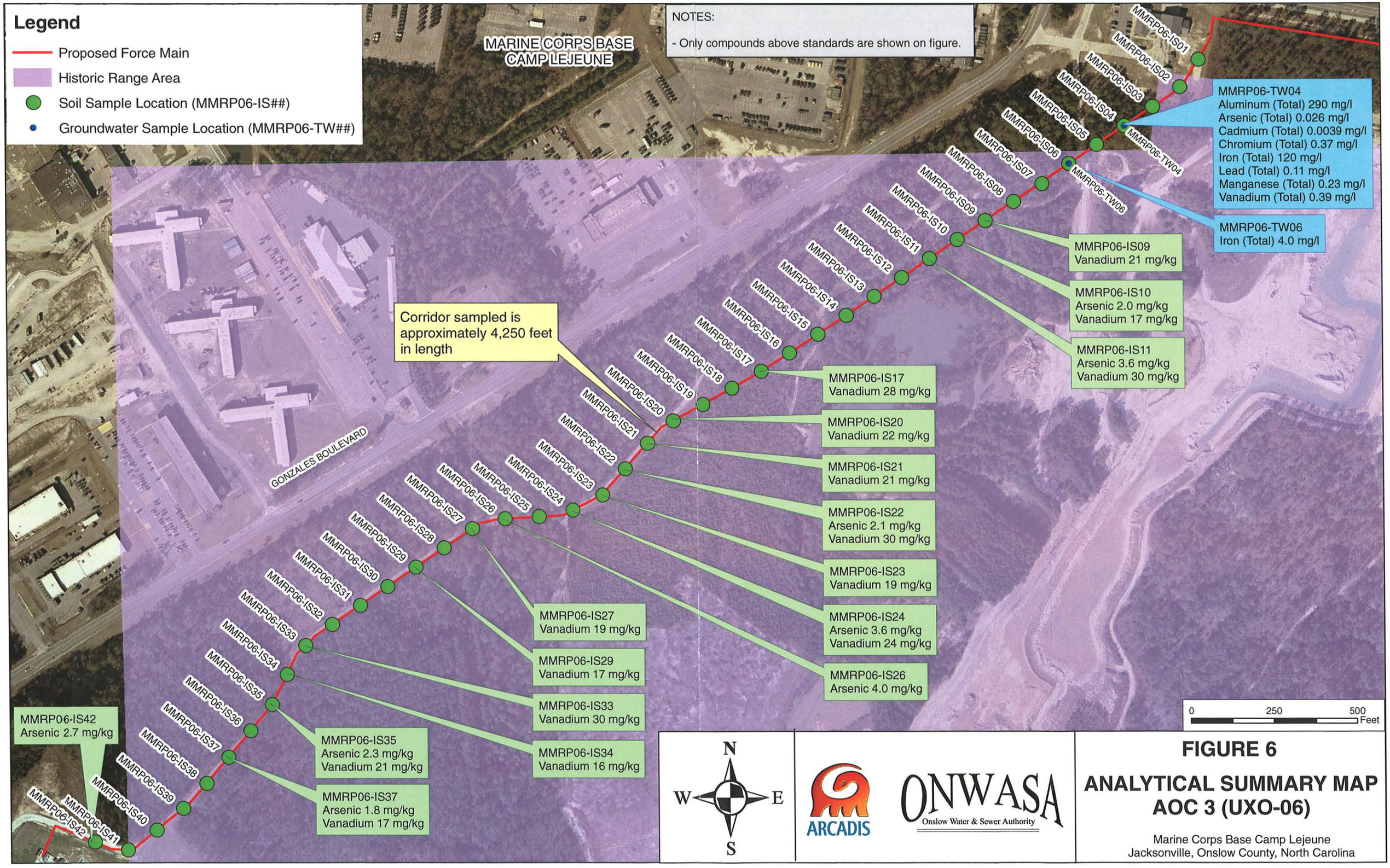

FIGURE 6

ANALYTICAL SUMMARY MAP
AOC 3 (UXO-06)

Marine Corps Base Camp Lejeune
Jacksonville, Onslow County, North Carolina

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Appendix A

Geophysical Mapping Report

FINAL REPORT
GEOPHYSICAL MAPPING
AOC #1 AND #3
CAMP LEJEUNE, NC

Project Number 2059

Prepared For:
ARCADIS

Prepared by:
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June 2007

GEOPHYSICAL MAPPING AOC #1 AND #3

CAMP LEJEUNE, N.C.

ZAPATAENGINEERING, Blackhawk Division
Project: 2059

Prepared For:

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June 2007

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ACRONYMS AND ABBREVIATIONS

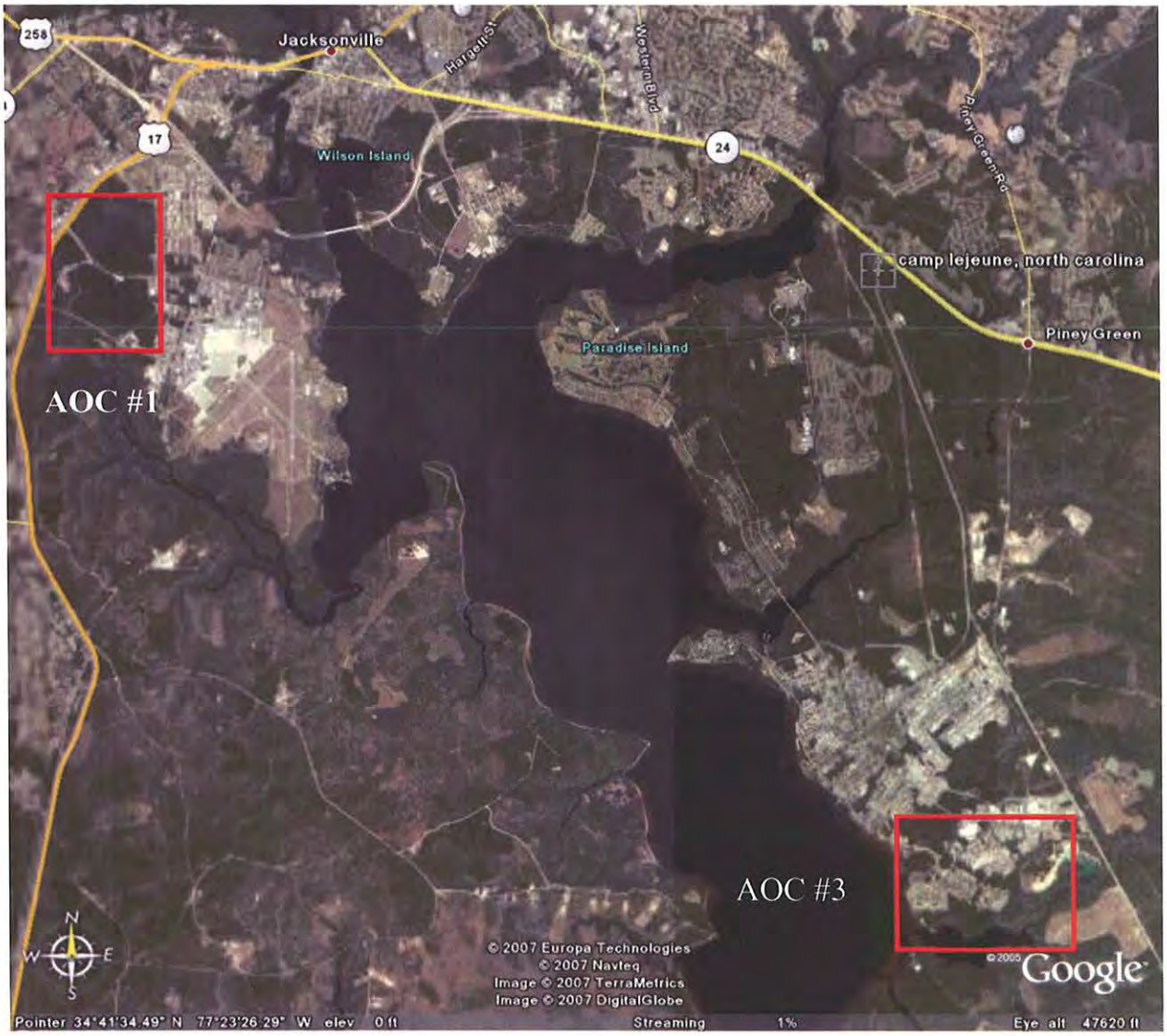
AOC	Area of Concern
DGPS	Digital Global Positioning System
EM	Electromagnetic
GPO	Geophysical Prove-Out
GPS	Global Positioning Systems
HTW	Hazardous or Toxic Waste
MEC	Munitions and Explosives of Concern
MKII	Geonics Limited EM61 MKII
MMRP	Military Munitions Response Program
mV	MilliVolt
NAD83	North American Datum 1983
RTK	Real Time Kinematic
TDEM	Time Domain Electromagnetic
UXO	Unexploded Ordnance
WGS 84	World Geodetic System 1984
Zapata	ZapataEngineering, Blackhawk Division

1.0 INTRODUCTION

This report details the procedures and results of an electromagnetic (EM) geophysical survey conducted on Camp Lejeune between the dates of May 1, 2007 and May 14, 2007.

A proposed water line easement crosses through the boundaries of area of concern (AOC) #1, which consist of the Military Munitions Response Program (MMRP) site unexploded ordnance (UXO)-05 and the ASR #2.44 site. A proposed force main route passes through the boundaries of AOC #3. Both sites are shown on Figure 1-1.

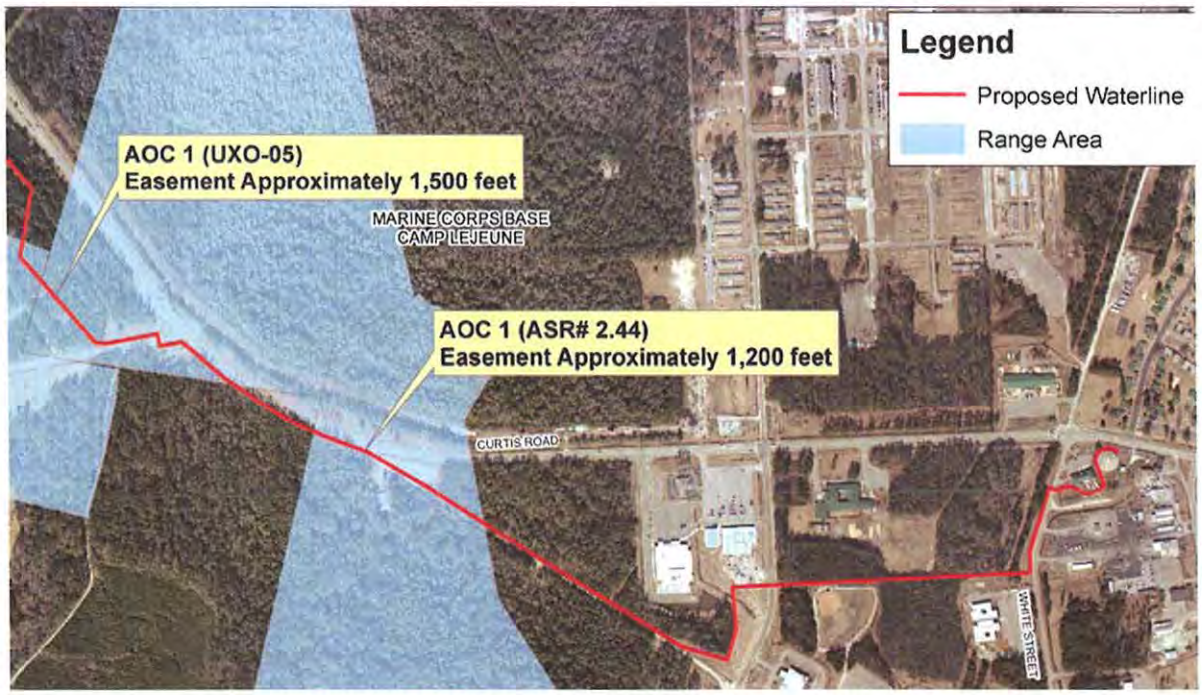
FIGURE 1-1 AREAS SURVEYED



1.1 SITE INFORMATION

The MMRP Site UXO-05 and ASR #2.44 Site makeup AOC #1 for the MCAS Water Line Connection. Figure 1-2 shows this proposed line.

FIGURE 1-2 AOC #1



The MMRP Site UXO-05 is identified in the Range Identification and Preliminary Range Assessment as the Miniature Anti-Tank Range and is known as the Tank Battalion Tent Camp. (The information concerning this range was obtained from the Range Identification and Preliminary Range Assessment.) This range was used from 1942 to 1944. Its use involved firing 0.22-caliber weapons at a moving target on a traverse track. Explosive hazards exist only with complete rounds that would be found at or near the firing line. Complete rounds of small arms would normally be located at the surface near the firing line, but over the years, construction and other ground movement may have caused the rounds to become buried to an unknown depth. No information is available on the estimated quantity of munitions used on this range nor on past range clearance and dredging operations that might have occurred there. Approximately 1,500 linear feet of the proposed water line easement are within the UXO-05 site.

The ASR #2.44 Site is identified in the Range Identification and Preliminary Range Assessment as the 50-foot Small Arms Range B-6. (The information concerning this range was obtained

from the Range Identification and Preliminary Range Assessment.) This range was used from 1950 to approximately 1961 and contained 25 stations. Weapons used at this range included 0.22 caliber rifles, and 0.22, 0.32, 0.38, and 0.45-caliber pistols. Explosive hazards exist only with complete rounds that would be found at or near the firing line. Again, complete rounds of small arms would normally be located at the surface near the firing line, but over the years, construction and other ground movement may have caused the rounds to become buried to an unknown depth. No information is available on the estimated quantity of munitions used on this range nor on past range clearance and dredging operations that might have occurred there. Approximately 1,200 linear feet of the proposed water line easement are within the ASR #2.44 site.

Figure 1-3 shows the proposed force main line in AOC #3.

FIGURE 1-3 AOC #3

1.2 OBJECTIVE

The purpose of this survey was to determine the absence or presence of munitions and explosives of concern (MEC) and hazardous or toxic waste (HTW) within the proposed the water line easement route and the proposed force main route.

2.0 GEOPHYSICAL METHODOLOGY

2.1 GEOPHYSICAL SENSOR

The Geonics Limited EM61 MKII (MKII) time domain electromagnetic (TDEM) detection system was the geophysical system used to map metal objects within the survey area at Camp Lejeune. The MKII is a high-sensitivity TDEM system that is capable of detecting both ferrous (steel) and non-ferrous (aluminum, copper, brass, etc.) metals. The coil is a 0.5-meter by 1.0-meter side-by-side transmitter/receiver positioned perpendicular to the direction of travel. The lower transmitter/receiver coil was 45-centimeters above the ground surface. A top coil was not implemented for this survey. The MKII generates an EM pulse in the transmitter coil causing eddy currents to flow within both the ground and buried metallic objects. When the EM pulse is terminated, the eddy currents decay and produce a changing EM field, referred to as a secondary EM field. The eddy currents decay more slowly in metallic objects than in the ground and produce measurable signals that can be detected by the EM receiver coils. The MKII system records the secondary magnetic responses at four time intervals (bottom coil only) along the decay curve after the transmitter is turned off. These intervals are referred to as time gates or channels. The MKII system is designed so that a low-level or constant signal is received when no metal is present. When metal is present in the subsurface, an increased secondary EM field response is recorded by the instrument. This EM signal is generally at the maximum level when the receiver coils are located directly over a metallic object. This results in "bulls-eye" type anomalies for isolated buried metallic targets, which allows for simplified anomaly interpretation.

2.2 POSITIONING EQUIPMENT

For several of the grids, along with a data collection phase over the GPO, positioning of the coil was accomplished using a Trimble 5700 Real Time Kinematic (RTK) Digital Global Positioning System (DGPS). The positional data were recorded in World Geodetic System 1984 (WGS 84) Longitude and Latitude. In processing, the data coordinates were converted into NAD83 North Carolina State Plane CS83, US Survey Feet for input onto the general site database. The EM data has a lateral positional error of up to 18-inches because a detected item could be anywhere along the width of the one-meter coil.

One of the data collection phases over the GPO and most of the general survey grids did not utilize GPS for positioning. The alternate positioning system used is intended for data collection in those areas where overhead vegetation obstructed the GPS receiver's communication with positioning satellites. In the non-GPS positioned data acquisition, a local coordinate system (Cartesian coordinate system grid) was employed by the field crews for data acquisition. In the GPO and general survey data collection, the zero, zero point for the local grid was generally the southwest corner of the grid. Positioning within the grids was obtained using measuring tapes

and a wheel encoder distance-measuring device. Survey lines were determined from the measuring tapes laid out along the north and south edges of the grid along with additional east-west orientated intermediate lines within the grid. Distance along the line was determined by the MKII wheel encoder and adjusted using the east-west orientated measuring tapes as fiducials. The positions of the corners of the GPO grid were measured by ZapataEngineering, Blackhawk Division (Zapata) personnel using GPS methods. The general survey grid corner locations, in U.S. State Plane NAD83, North Carolina CS83, US Survey Feet, were measured by Arcadis Surveyors. Using this positional information, the geophysical position data collected in local coordinates were later transformed into state plane coordinates.

3.0 QUALITY ASSURANCE

To ensure high-quality geophysical data and compliance with industry standards, a ZapataEngineering, Blackhawk Division (Zapata) Project Geophysicist evaluated the instrumentation, data collection, and processing steps. Trained and qualified Zapata personnel performed several daily operational instrument checks to verify that all systems were operating as designed for geophysical data collection. These tests are described below.

3.1 EQUIPMENT WARM-UP

Equipment warm-up time lasted approximately fifteen minutes for the geophysical sensors and recording systems prior to data collection.

3.2 CABLE SHAKE

On a daily basis, the coils were checked for their response to vibrations in the cables. This is done by recording data in a stationary mode and manually shaking the cables. The response of the coils to this test is similar to the response when traveling over uneven terrain. The test data were visually inspected in the field for spikes within the data as simply shaking the cables should not produce spikes in the recorded data.

Figure 3-1 is the shake test collected on May 4, 2007. It can be seen that the coil had no spikes and therefore passed.

FIGURE 3-1 MAY 4, 2007 SHAKE TEST

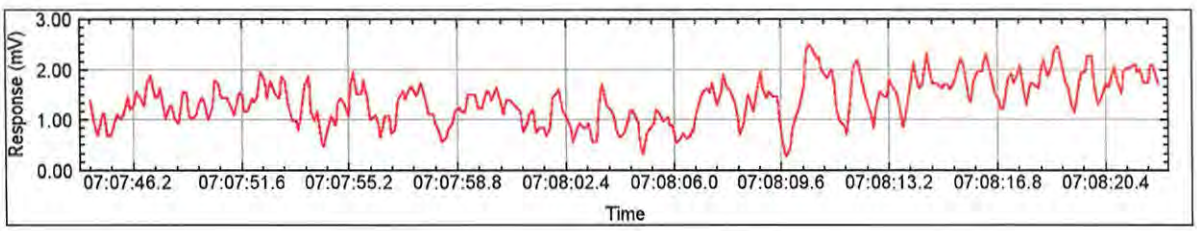


Table 3-1 shows the results of all shake tests collected during the survey. All shake tests passed requirements.

TABLE 3-1 SHAKE TEST RESULTS

Date	Pass/Fail
5/1/07	Pass
5/2/07	Pass
5/3/07	Pass
5/4/07	Pass
5/5/07	Pass
5/7/07	Pass
5/8/07	Pass
5/9/07	Pass
5/10/07	Pass
5/11/07	Pass

3.3 STATIC/STANDARD TESTS

Each day, before and after geophysical data collection, the background level and response of the coil was tested. The purpose of these tests, referred to as static/standard tests, was to aid in identifying equipment problems, determine background noise levels, and to monitor any changes in the system's response due to a standardized object. First, data were recorded in a stationary mode for a minimum of three minutes (Static Background Test 1). In order for the static test to satisfy the QC requirements, 95% of the Channel 3 (660-µsec time gate) data cannot vary by more than 2.5 milliVolt (mV) peak to peak. Then, a standardized object was placed on the array. Data were recorded for one minute to determine the instrument response to that metal object (Standard Test). The object was then removed and the background levels (Static Background Test 2) were again recorded for one minute. The differences between the static and standard responses must be within ± 20% throughout the survey to comply with industry standards.

Figure 3-2 shows the first static interval for Channel 3 of the left coil collected on May 4, 2007. The coil response is well within the 2.5 mV peak to peak noise envelope (shown in blue).

FIGURE 3-2 MAY 4, 2007 CHANNEL 3 STATIC TEST

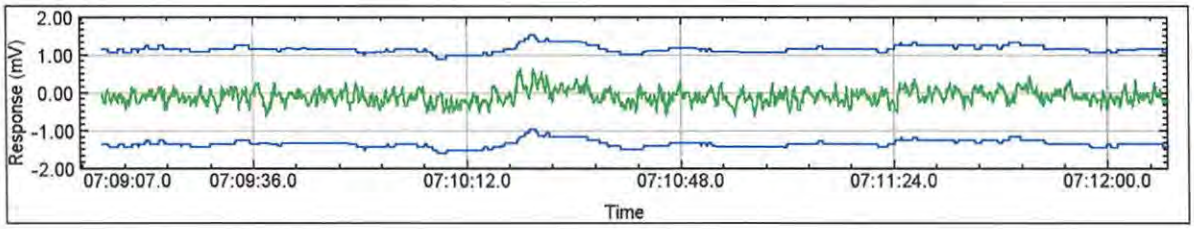


Table 3-2 shows the results of all static tests. All static tests collected were within standards.

TABLE 3-2 STATIC TEST RESULTS

Date		Profile Pass/Fail
5/1/07	AM	Pass
	PM	Pass
5/2/07	AM	Pass
	PM	Pass
5/3/07	AM	Pass
	PM	Pass
5/4/07	AM	Pass
	PM	Pass
5/5/07	AM	Pass
	PM	Pass
5/7/07	AM	Pass
	PM	Pass
5/8/07	AM	Pass
	PM	Pass
5/9/07	AM	Pass
	PM	Pass
5/10/07	AM	Pass
	PM	Pass
5/11/07	AM	Pass
	PM	Pass

Figure 3-3 shows the Channel 1 (220-µsec time gate) standard test from May 4, 2007. Table 3-3 shows the results of the standard tests for all days of data collection.

FIGURE 3-3 MAY 4, 2007 CHANNEL 1 STANDARD TEST

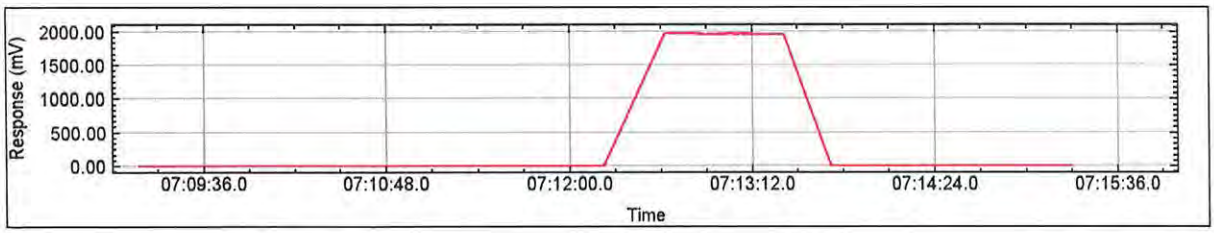


TABLE 3-3 STANDARD TEST RESULTS

Number of Measurements	Sum of Magnitudes	Average of Magnitudes
38	36895	971

Date		1st Static (mV)	Stand (mV)	2nd Static (mV)	1st Difference (%)	2nd Difference (%)
5/1/07	am	1	1869	1	3.6%	3.6%
	pm	Not collected				
5/2/07	am	0	1891	0	2.4%	2.4%
	pm	-1	1849	-2	4.5%	4.4%
5/3/07	am	-1	1948	-1	0.6%	0.6%
	pm	0	1893	0	2.3%	2.3%
5/4/07	am	2	1961	4	1.1%	1.0%
	pm	-4	1995	-3	3.2%	3.2%
5/5/07	am	5	2021	7	4.1%	4.0%
	pm	-1	1839	-2	5.0%	4.9%
5/7/07	am	4	2072	8	6.8%	6.6%
	pm	2	1984	3	2.4%	2.3%
5/8/07	am	12	1991	18	2.2%	1.9%
	pm	0	1943	-9	0.3%	0.8%
5/9/07	am	6	1982	8	2.0%	1.9%
	pm	-1	1936	-2	0.0%	0.0%
5/10/07	am	5	1958	4	0.8%	0.9%
	pm	1	1840	3	5.1%	5.2%
5/11/07	am	6	2015	7	3.7%	3.7%
	pm	2	1856	5	4.3%	4.4%

3.4 POSITIONAL TEST

When GPS was used, the positional test is performed twice daily, prior to and immediately following data collection. The positional test has two purposes: to determine the time delay (latency value) between the recording of the sensor and positional data and to check the accuracy of the GPS. The data were shifted by a calculated latency value to correct data positioning. The time correction required to line up the locations of the spikes between the two passes is the latency value. Once the data were shifted (latency corrected), the location of the anomaly produced by a metal object is documented and compared to the known location. The location of

the object anomaly interpreted from the positional test data should be within 50-centimeters (half coil width) of its surveyed location.

Figure 3-4 shows the center coil of the positional test collected on May 2, 2007. The data shown are uncorrected for latency. Figure 3-5 shows the same data, with a latency value of 0.35-seconds applied.

FIGURE 3-4 MAY 2, 2007 UNCORRECTED POSITIONAL TEST

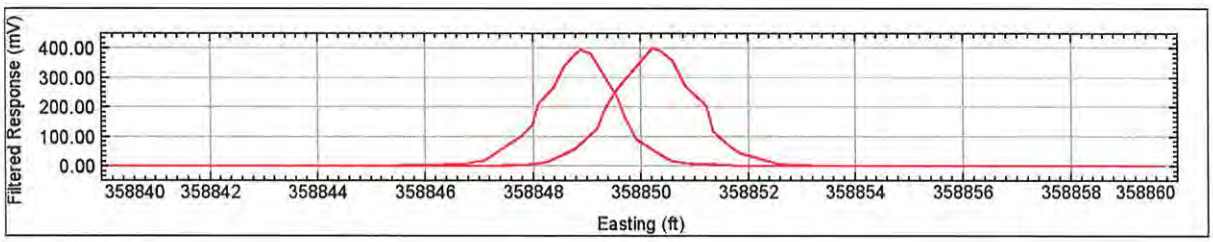
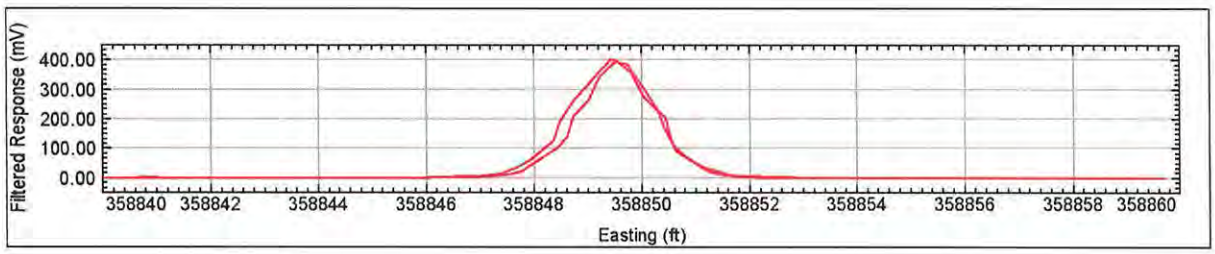


FIGURE 3-5 MAY 2, 2007 CORRECTED POSITIONAL TEST



3.5 SIX LINE TEST

The six-line test is performed prior to survey grid data collection. The six-line test consists of six passes over an approximate 50-foot line. Passes one and two are performed at normal data collection driving speed with no metallic item placed on the line. Passes three and four are conducted at normal speed with a metal object; in this case a two-inch trailer ball, placed at the approximate center of the test line. To simulate data collection when the instrument operator would be driving faster than normal, the fifth pass is performed while moving at a fast pace with the metal object in place. The sixth pass is performed while moving at a slow pace with the metal object in place, thus simulating data collection when the instrument operator might be moving slower than normal. Industry standards dictate that the repeatability of the amplitude response must not vary by more than ± 20% from the average and that the positional accuracy of the item must not vary by more than ± 50-centimeters.

Table 3-4 shows the results of the six-line test collected on May 2, 2007. The response on the 5th pass does not meet the requirements (it was also not used for the average). The coil response due to the item was too low when traveling fast, suggesting that the faster speed of travel did not adequately sample the target response.

TABLE 3-4 SIX LINE TEST RESULTS

Date	Line	Detected Northing (US Feet)	Detected Easting (US Feet)	Difference (ft)	Difference (cm)	Data Repeatability	
						mV	% Difference
5/2/07	3	2459788.50	358864.50	2485828.47	75768051.84	365.8	0.8%
	4	2459788.50	358864.00	2485828.40	75768049.64	349.7	5.1%
	5	2459788.00	358864.50	2485827.98	75768036.76	260.5	29.3%
	6	2459788.00	358864.50	2485827.98	75768036.76	390.5	5.9%

4.0 DATA PROCESSING

The following data processing steps were performed on the data:

- Raw data were downloaded and combined in the MagMap preprocessor for data with GPS and the Dat61 MKII preprocessor for non-GPS data.
- Data were imported into the Geosoft Oasis Montaj® (Oasis) software.
- A demedian filter (200-point moving median subtracted from the data) was applied to the geophysical data to remove any long wavelength effects caused by variations in geology or instrument drift.
- The data set was gridded using a grid cell size of 0.5-foot and displayed for visual inspection.
- Non-GPS data were warped using corner grid points supplied by the client.
- Processed data were output in a *.xyz format using North American Datum 1983 (NAD83) North Carolina State Plane, CS83 Coordinates in US survey feet and are supplied on the data CD on Appendix A.
- Anomalies above 3 mV were selected and are supplied using North American Datum 1983 (NAD83) North Carolina State Plane, CS83 Coordinates in US survey feet and are located on the data CD on Appendix A.

5.0 GEOPHYSICAL PROVE OUT

A Geophysical Prove-Out (GPO) was designed to demonstrate and document the performance of the proposed data acquisition methodology and to determine the target selection threshold. A 100-foot by 20-foot area was selected for the GPO. This area was near the area selected for digital geophysical mapping and UXO clearance activities. The corners of this area are listed in Table 5-1.

TABLE 5-1 GPO CORNERS

Corner	Easting (ft)	Northing (ft)
SW	2459763.07	358845.52
NW	2459790.15	358941.73
SE	2459782.17	358840.01
NE	2459809.39	358936.36

Data were collected over the GPO before targets were buried on May 1, 2007. This data were collected without GPS but was warped into State Plane coordinates. Figure 5-1 is a map of that area. As evident in this map, there was buried metal present at the GPO site prior to GPO construction.

Eight items were then planted at the GPO site. Data were then collected over the area in both wheel (non-GPS) and GPS mode. Figure 5-2 is the wheel mode data and Figure 5-3 shows the GPS data. Table 5-2 and Table 5-3 list the results of data collection in wheel mode and GPS mode, respectively.

When collected in wheel mode, all seeded items produced anomalies with the exception of one 2.36-inch projectile. When collected with GPS neither of the 2.36-inch projectiles were detected. The lowest response to an item was that of 4.79 mV to one of the 2.36-inch projectiles in wheel mode. Due to this response, a target-picking threshold of 3 mV was used throughout the survey.

The 2.36-inch projectiles used for the GPO were not complete rounds. Field personnel were only supplied with the warhead portion of the round, which was relatively small in size. This resulted in the responses from the projectiles being less than what is normally expected from a 2.36-inch projectile. It is likely that a complete round would have a response of greater than 15 mV at a similar depth of burial.

FIGURE 5-1 MAY 1, 2007 PRE-SEED GPO

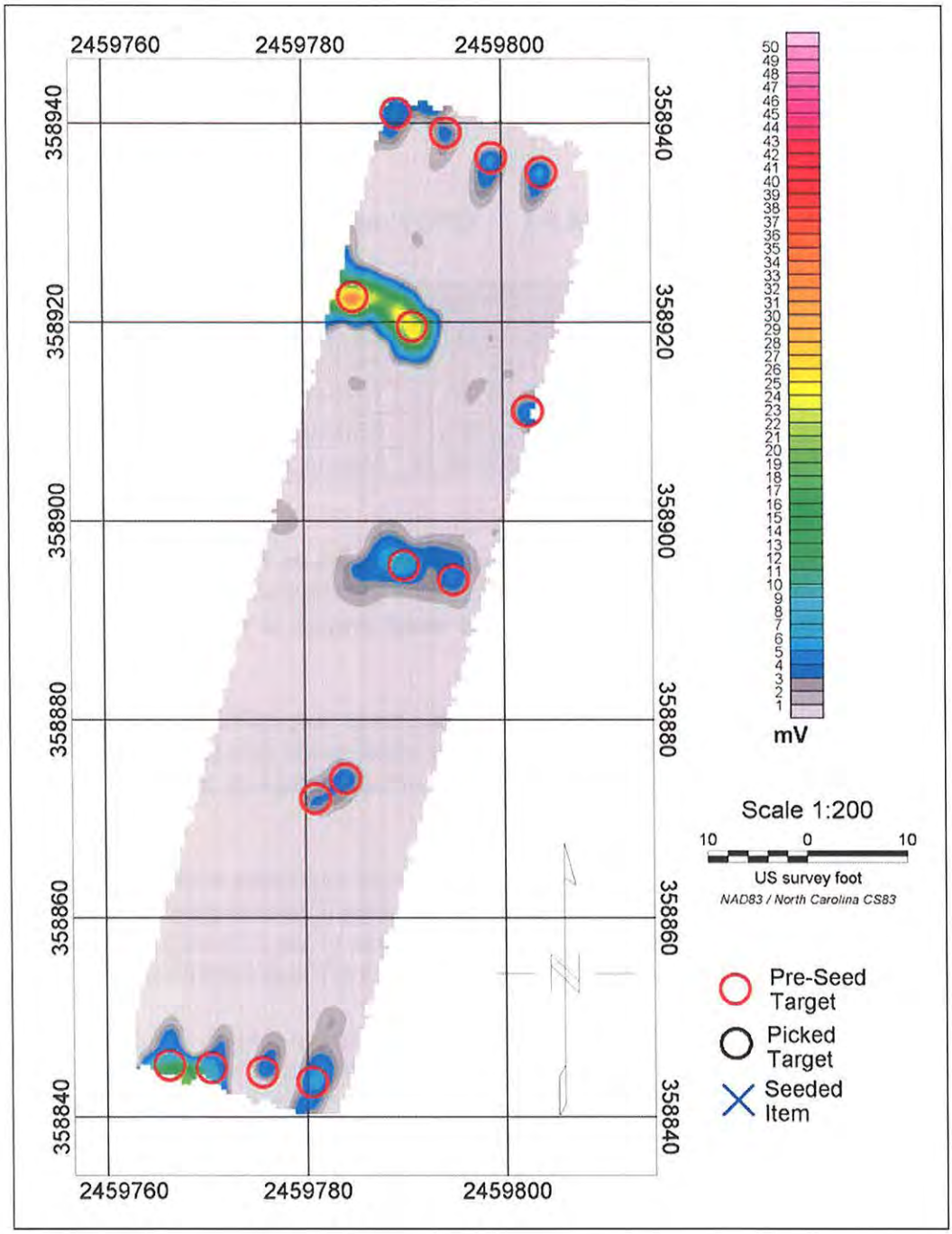


FIGURE 5-2 MAY 1, 2007 POST SEED WHEEL MODE GPO

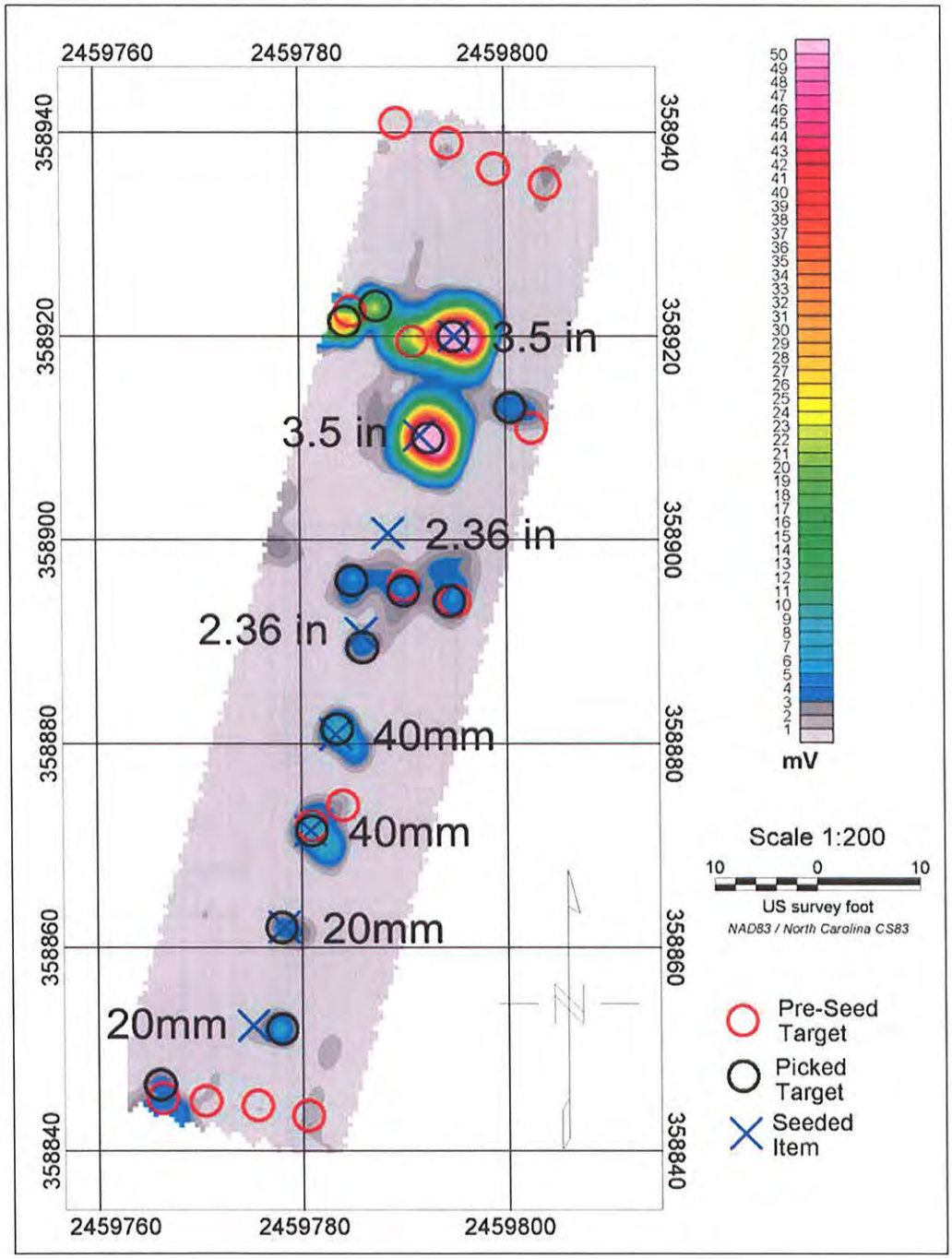


FIGURE 5-3 MAY 1, 2007 POST SEED GPS MODE GPO

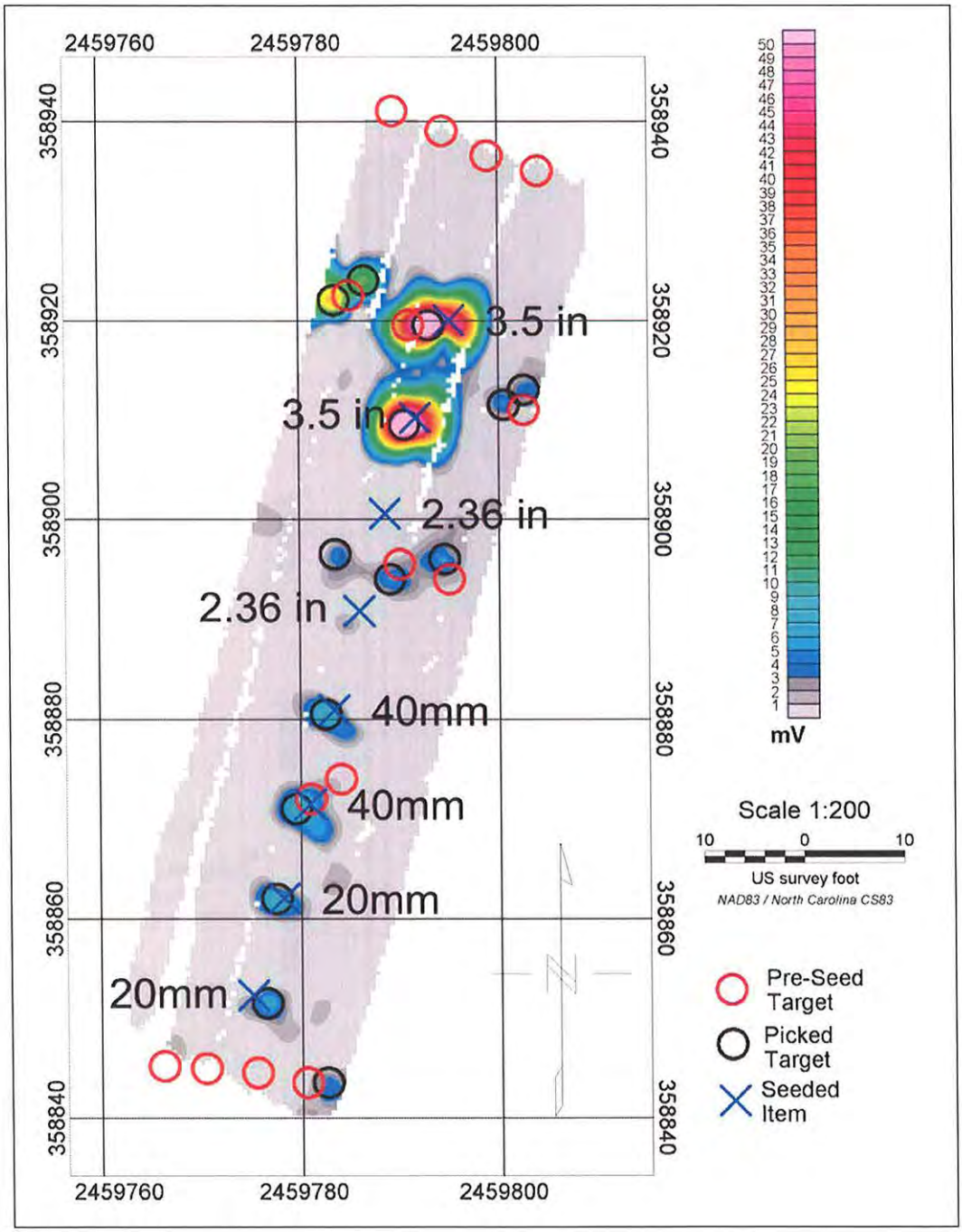


TABLE 5-2 WHEEL MODE GPO RESULTS

ID	Item	Easting (ft)	Northing (ft)	Depth (in)	Picked Target ID	Picked Target Easting (ft)	Picked Target Northing (ft)	Offset (ft)	Magnitude (mV)
1	20mm	2459775.14	358852.30	7.9	2	2459778.0	358852.0	2.88	6.43
2	20mm	2459778.26	358862.01	7.9	3	2459778.0	358862.0	0.26	4.62
3	40mm	2459780.88	358871.48	15.7	5	2459781.0	358871.5	0.12	8.77
4	40mm	2459783.35	358880.93	15.7	6	2459783.5	358881.5	0.59	8.86
5	2.36 in	2459785.89	358890.83	23.6	7	2459786.0	358889.5	1.33	4.79
6	2.36 in	2459788.53	358900.60	23.6	Not Found				
7	3.5 in	2459791.65	358910.21	29.5	11	2459792.5	358910.0	0.88	61.17
8	3.5 in	2459795.07	358920.03	29.5	13	2459795.0	358920.0	0.08	63.40
Seen in Pre-seed					1	2459766.0	358846.5		4.99
Seen in Pre-seed					8	2459794.5	358894.0		5.16
Seen in Pre-seed					9	2459790.0	358895.0		5.50
Seen in Pre-seed					12	2459800.5	358913.0		4.66
Seen in Pre-seed					14	2459784.5	358921.5		34.49
Seen in Pre-seed					15	2459787.5	358923.0		23.20
Additional Target					10	2459785.0	358896.0		5.45

TABLE 5-3 GPS MODE GPO RESULTS

ID	Item	Easting (ft)	Northing (ft)	Depth (in)	Picked Target ID	Picked Target Easting (ft)	Picked Target Northing (ft)	Offset (ft)	Magnitude (mV)
1	20mm	2459775.14	358852.30	7.9	3	2459776.5	358851.5	1.58	6.91
2	20mm	2459778.26	358862.01	7.9	4	2459777.5	358862.0	0.76	9.01
3	40mm	2459780.88	358871.48	15.7	5	2459779.5	358871.0	1.46	9.05
4	40mm	2459783.35	358880.93	15.7	6	2459782.5	358880.5	0.95	9.76
5	2.36 in	2459785.89	358890.83	23.6	Not Found				
6	2.36 in	2459788.53	358900.60	23.6	Not Found				
7	3.5 in	2459791.65	358910.21	29.5	10	2459790.5	358909.5	1.35	60.48
8	3.5 in	2459795.07	358920.03	29.5	13	2459793.0	358919.5	2.14	46.08
Seen in Pre-seed					2	2459782.5	358843.5		3.94
Seen in Pre-seed					7	2459789.0	358894.0		5.26
Seen in Pre-seed					8	2459794.5	358896.0		5.53
Seen in Pre-seed					11	2459800.5	358911.5		5.42
Seen in Pre-seed					12	2459802.5	358913.0		3.98
Seen in Pre-seed					15	2459783.5	358922.0		32.16
Seen in Pre-seed					16	2459786.5	358924.0		20.16
Additional Target					9	2459783.5	358896.5		4.19

6.0 RESULTS

Data collection took place between May 1, 2007 and May 11, 2007. The GPO data were collected on May 1, 2007 and production data collection began on May 2, 2007. The GPS unit was utilized on this day within AOC #1.

The majority of the GPS mode data collected did not have acceptable positional data quality and was not used. Only part of file "E" was used. An additional data file was collected using the GPS on May 3, 2007. This file also contained poor-quality positional data, was later recollected using wheel mode, and was therefore not used.

6.1 AOC # 3

Data were collected in AOC #3 from May 3, 2007 to May 8, 2007. In total 3,774 linear feet (0.74 miles) of data (20-feet wide) were collected equaling approximately 1.73 acres. Seven hundred and ninety one geophysical anomalies over 3 mV were identified. Table 6-1 lists each data file collected in AOC #3 along with its corresponding length and amount of targets identified within that file. Figure B-1 is an index map showing AOC #3. Figures B-2 through B-7 show detailed maps of the area.

TABLE 6-1 AOC #3 FILES AND TARGETS

File	Grid	Length (ft)	Targets
050307E	4+00	100	10
050307F	5+00	100	4
050407D	6+00	150	34
050407E	7+50	150	45
050407F	9+00	50	19
050407G	9+50	100	34
050407H	10+50	80	32
050407I	11+28	23	6
050407K	11+50	50	13
050407L	12+00	100	15
050407M	13+00	150	27
050507D	14+50	200	20
050507E	16+50	150	31
050507F	18+00	50	11
050507G	18+50	50	8

File	Grid	Length (ft)	Targets
050507H	19+00	50	5
050507I	19+50	50	8
050507J	20+00	50	7
050507K	20+50	50	7
050507L	21+00	52	12
050507M	21+50	52	20
050507N	22+00	50	9
050707D	22+50	100	11
050707E	23+50	116	22
050707F	24+66	34	9
050707G	25+00	50	16
050707H	25+50	100	28
050707I	26+50	150	20
050707J	28+00	200	17
050707K	30+00	150	15
050707L	31+50	100	25
050807D	3+50	54	12
050807F	32+50	100	23
050807G	33+50	100	42
050807H	34+50	150	45
050807I	36+00	100	34
050807J	37+00	150	33
050807K	38+50	150	21
050807L	42+00	125	41
		Total	**791**

6.2 AOC #1

Between the dates of May 9, 2007 and May 11, 2007, 3,433 linear feet (0.65 miles) of data were collected within AOC #1. This totaled approximately 1.59 acres. Geophysical anomalies above 3 mV were selected resulting in 930 targets. The targets per file are show in Table 6-2. Figure B-8 is an index map showing AOC #1. Figures B-9 through B-13 show detailed maps of the area.

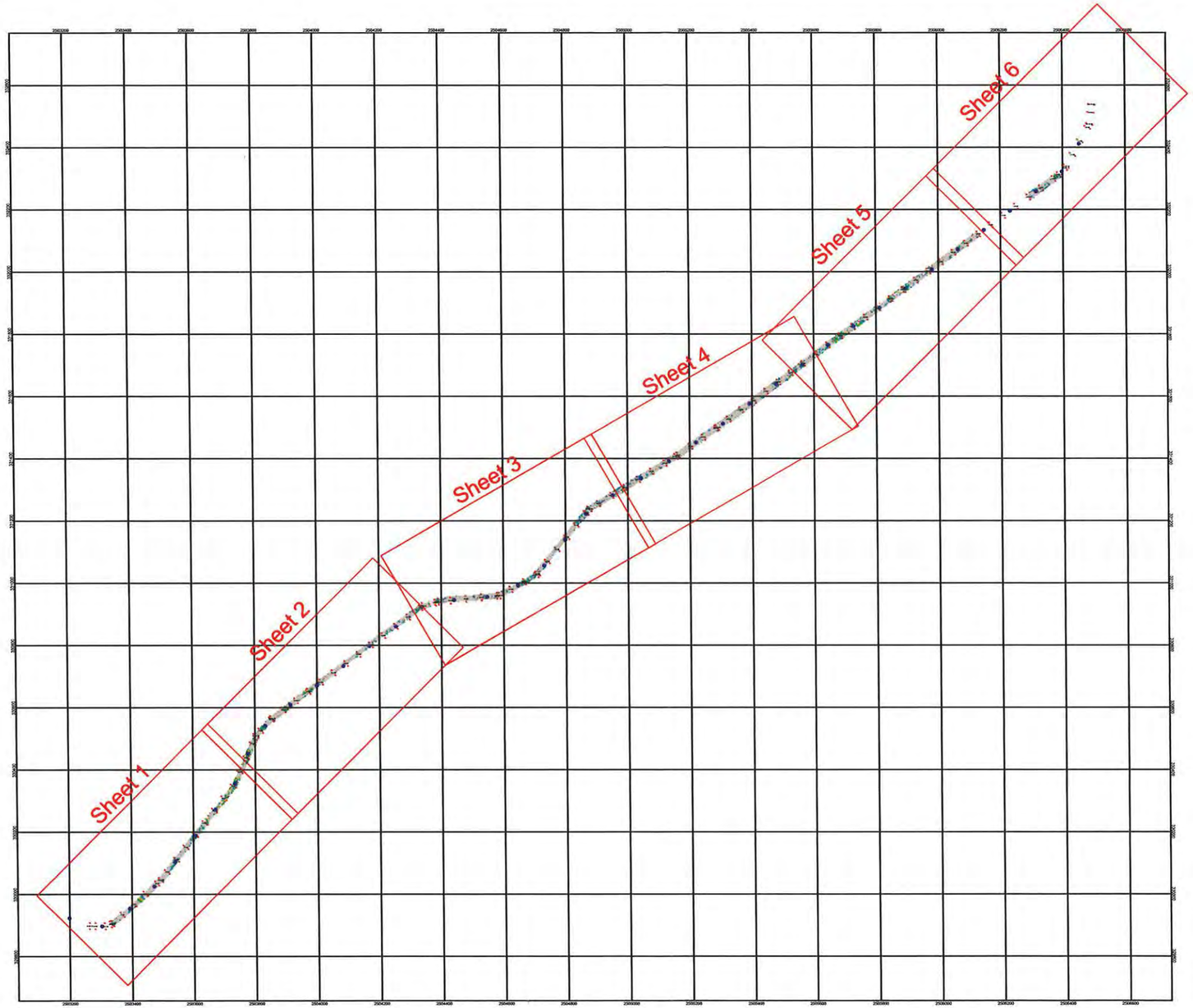
TABLE 6-2 AOC #1 FILES AND TARGETS

File	Grid	Length (ft)	Targets in Database
050907D	0+00	110	33
050907E	1+00	100	41
050907F	2+00	150	51
050907G	3+50	150	58
050907H	5+00	100	33
050907I	6+00	193	40
050907J	7+71	91	23
050907K	8+70	285	51
051007D	14+50	200	63
051007E	16+50	50	14
051007F	17+00	155	29
051007G	22+80	100	29
051007H	23+80	50	16
051007I	24+30	150	52
051007J	25+80	50	24
051007K	26+30	50	15
051007L	26+80	200	44
051007M	28+80	205	49
051107D	30+80	148	53
051107E	32+30	150	28
051107F	33+80	100	24
051107G	34+80	200	50
051107H	36+80	230	85
051107I	11+43	93	25
		Total	**930**

7.0 CONCLUSIONS

This report details and describes the EM survey conducted at Camp Lejeune, NC between the dates of May 1, 2007 and May 11, 2007. The purpose of this survey was to determine the absence or presence of MEC and HTW within the proposed water line easement route and the proposed force main route. Approximately 1.59 acres were geophysically surveyed in AOC#1 and included 930 identified target picks. Approximately 1.73 acres were geophysically surveyed in AOC#3 and included 791 identified target picks. The locations of the mapped geophysical anomalies are supplied in Appendix A. As determined from the results of the GPO survey or seed items, these geophysical anomalies located in AOC#1 and AOC#3 may be due to the presence of MEC or HTW and should be investigated further by intrusive means to determine the source of these anomalies.

APPENDIX A DATA CD



Explanation

- Soil Boring
- 0+00 Centerline Distance
- Centerline Survey Points
- Offset Survey Points

N

0 400 800

Scale in Feet

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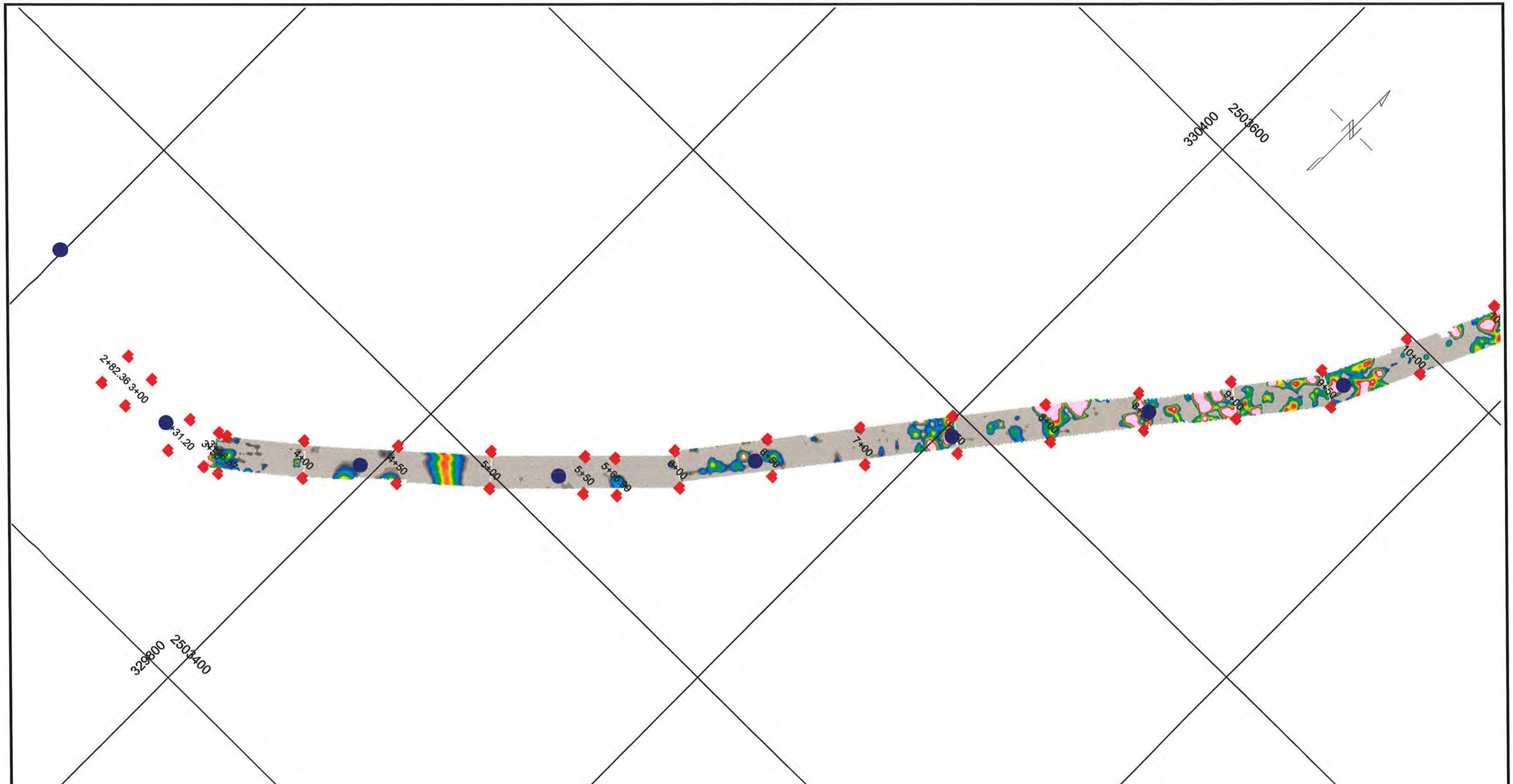
Geophysical Survey
Index Map
AOC 3 Waterline Corridor
Camp LeJeune, N.C.

Project No:	Date:	Drawn By:	Checked By:	Scale:	Figure:
2059	June, 2007	HJV	JH	1" = 400'	B-1



Explanation

Soil Boring

0+00 Centerline Distance

Centerline Survey Points

Offset Survey Points

0 50 100

Scale in Feet

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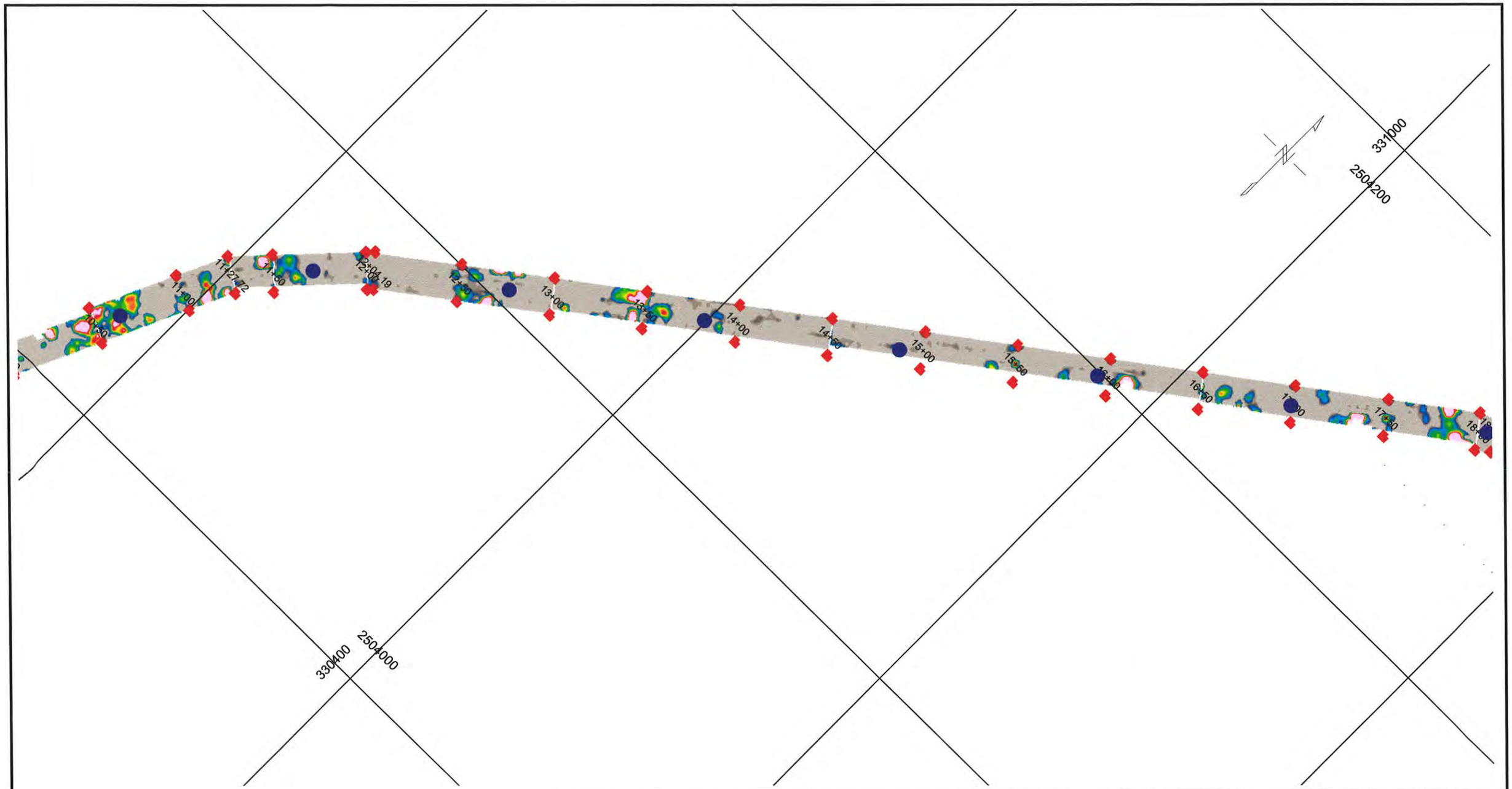
Geophysical Survey
Sheet 1
AOC 3 Waterline Corridor
Camp LeJeune, N.C.

Project No:	Date:	Drawn By:	Checked By:	Scale:	Figure:
2059	June, 2007	HJV	JH	1" = 50'	B-2



Explanation

- Soil Boring
- 0+00 Centerline Distance
- Centerline Survey Points
- Offset Survey Points

0 50 100
Scale in Feet

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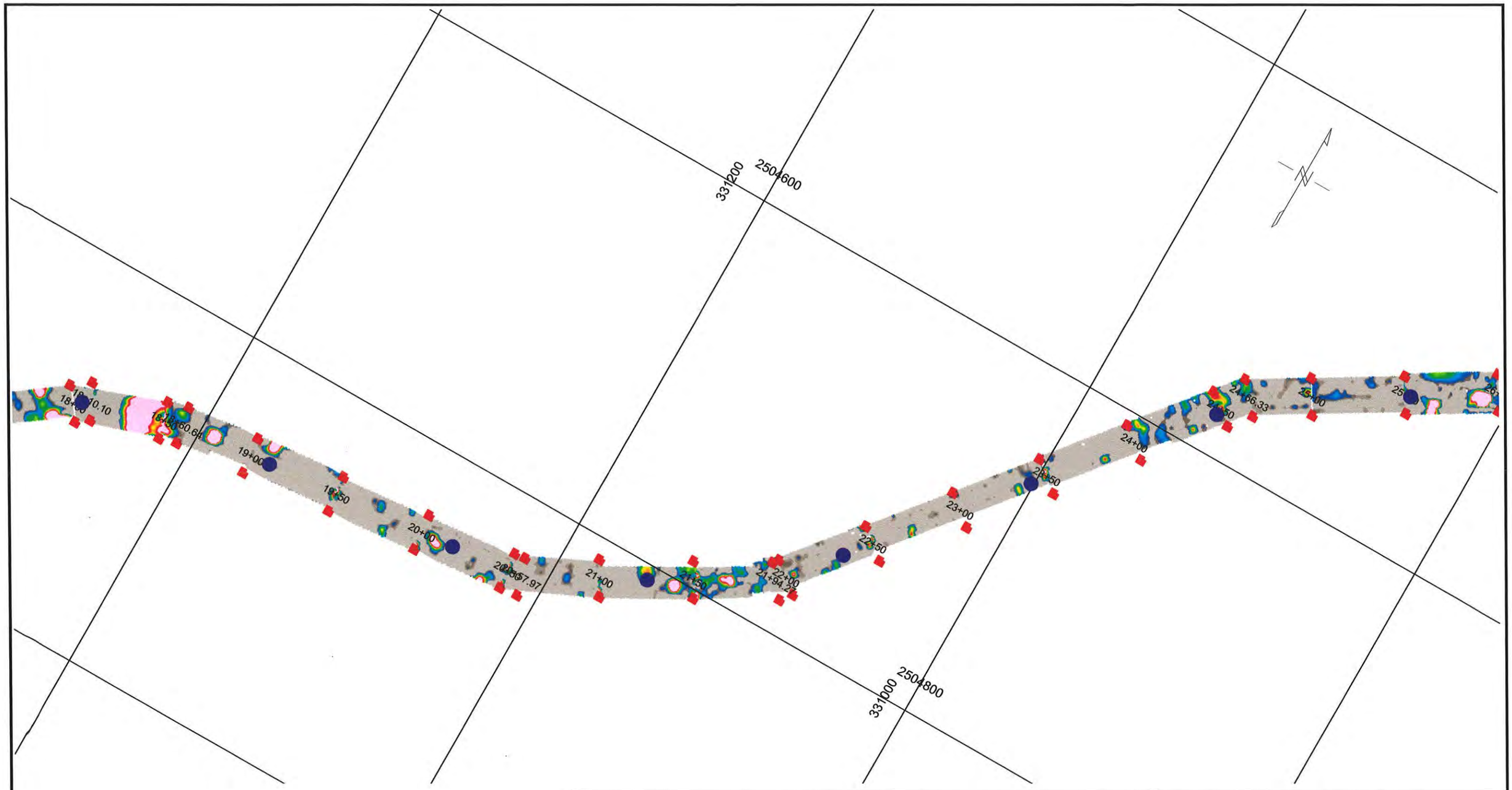
Project No:	Date:	Drawn By:	Checked By:	Scale:	Figure:
2059	June, 2007	HJV	JH	1" = 50'	B-3



Explanation

- Soil Boring
- 0+00 Centerline Distance
- Centerline Survey Points
- Offset Survey Points

0 50 100
Scale in Feet

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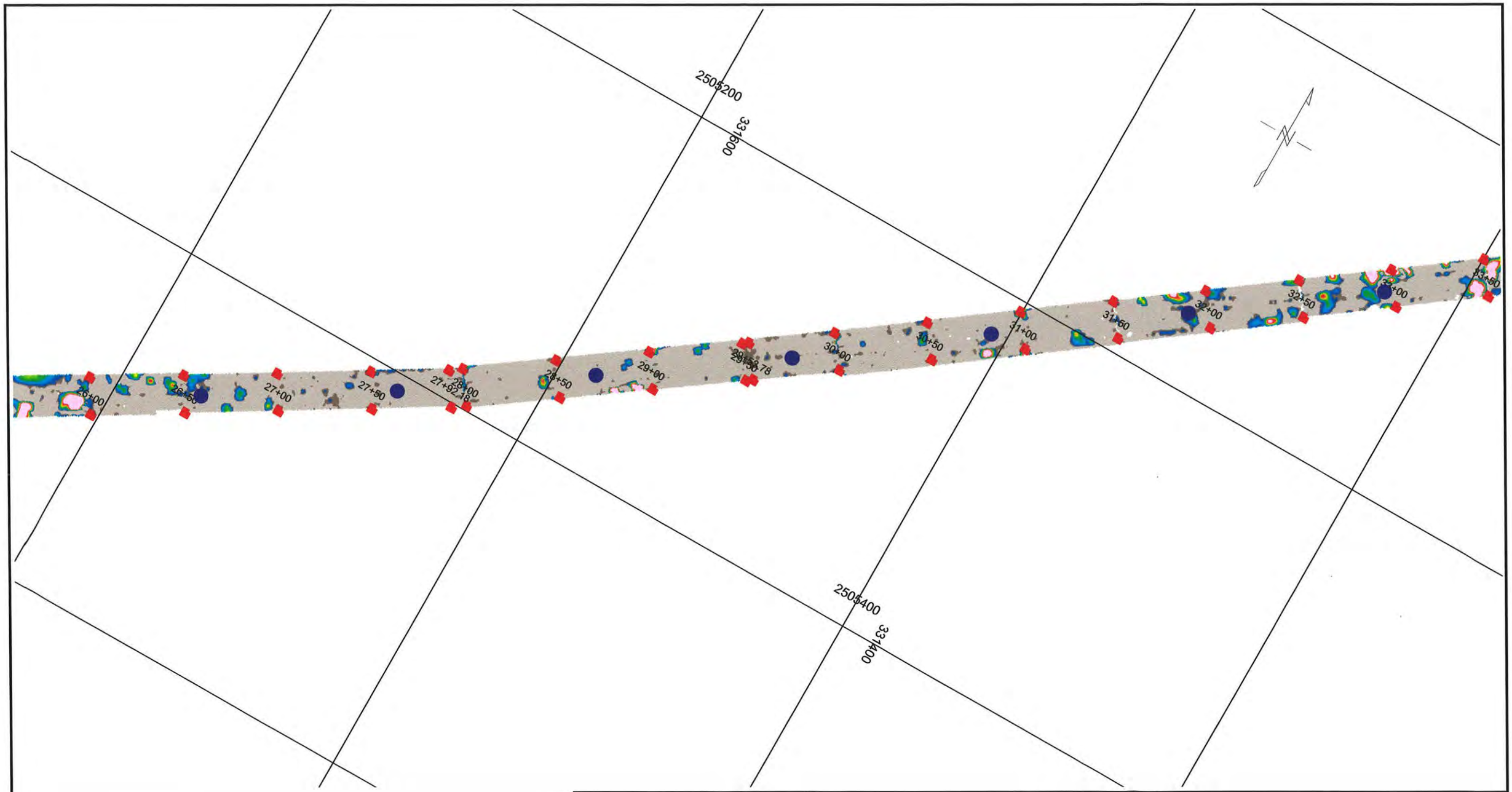
Sheet 3
AOC 3 Waterline Corridor
Camp LeJeune, N.C.

Project No:	Date:	Drawn By:	Checked By:	Scale:	Figure:
2059	June, 2007	HJV	JH	1" = 50'	B-4



Explanation

- Soil Boring
- 0+00 Centerline Distance
- Centerline Survey Points
- Offset Survey Points

0 50 100
Scale in Feet

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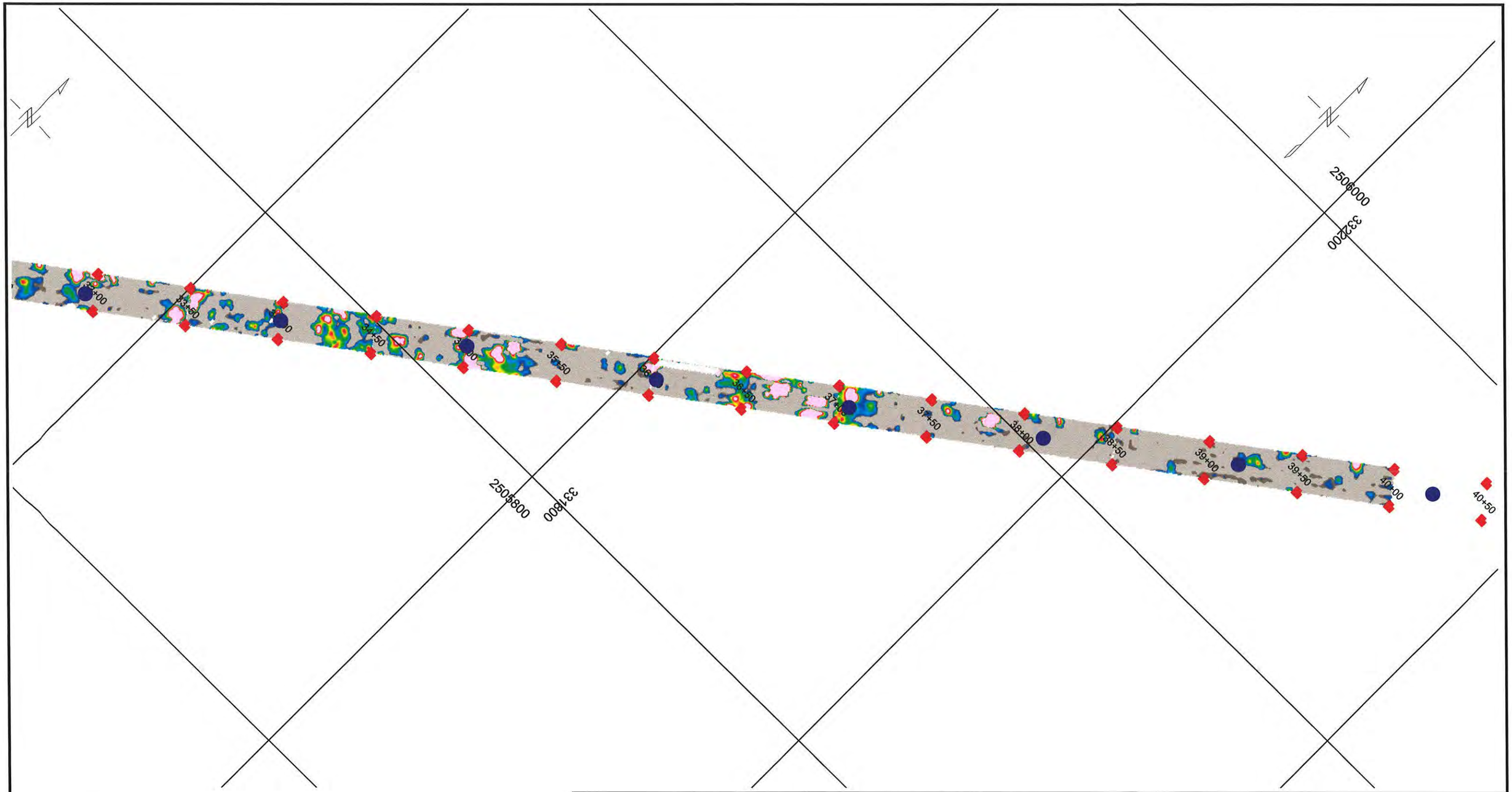
AOC 3 Waterline Corridor
Camp LeJeune, N.C.

Project No:	Date:	Drawn By:	Checked By:	Scale:	Figure:
2059	June, 2007	HJV	JH	1" = 50'	B-5



Explanation

Soil Boring

0+00 Centerline Distance

Centerline Survey Points

Offset Survey Points

0 50 100
Scale in Feet

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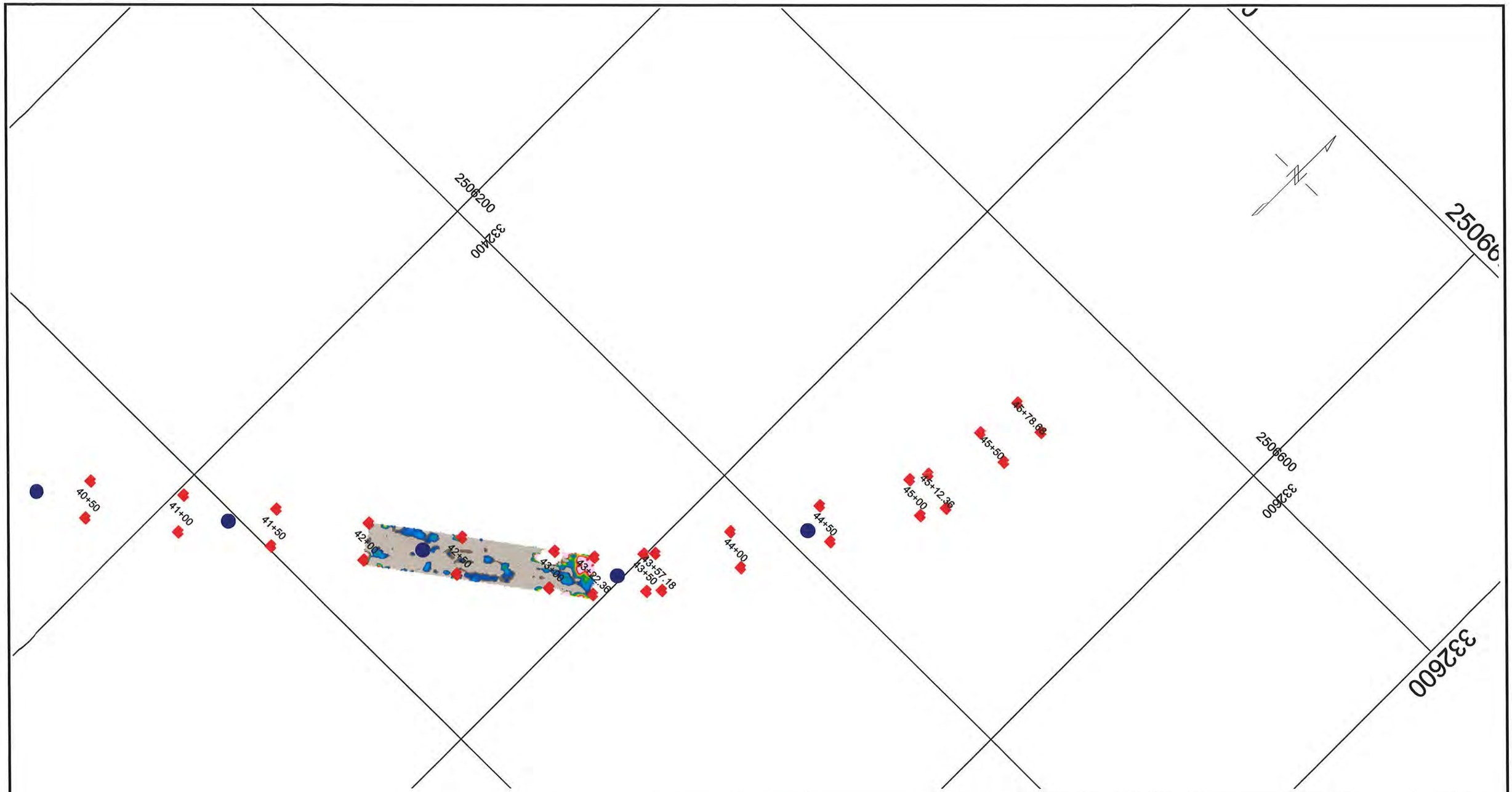
Sheet 5
AOC 3 Waterline Corridor
Camp LeJeune, N.C.

Project No:	Date:	Drawn By:	Checked By:	Scale:	Figure:
2059	June, 2007	HJV	JH	1" = 50'	B-6



Explanation

- Soil Boring
- 0+00 Centerline Distance
- Centerline Survey Points
- Offset Survey Points

0 50 100
Scale in Feet

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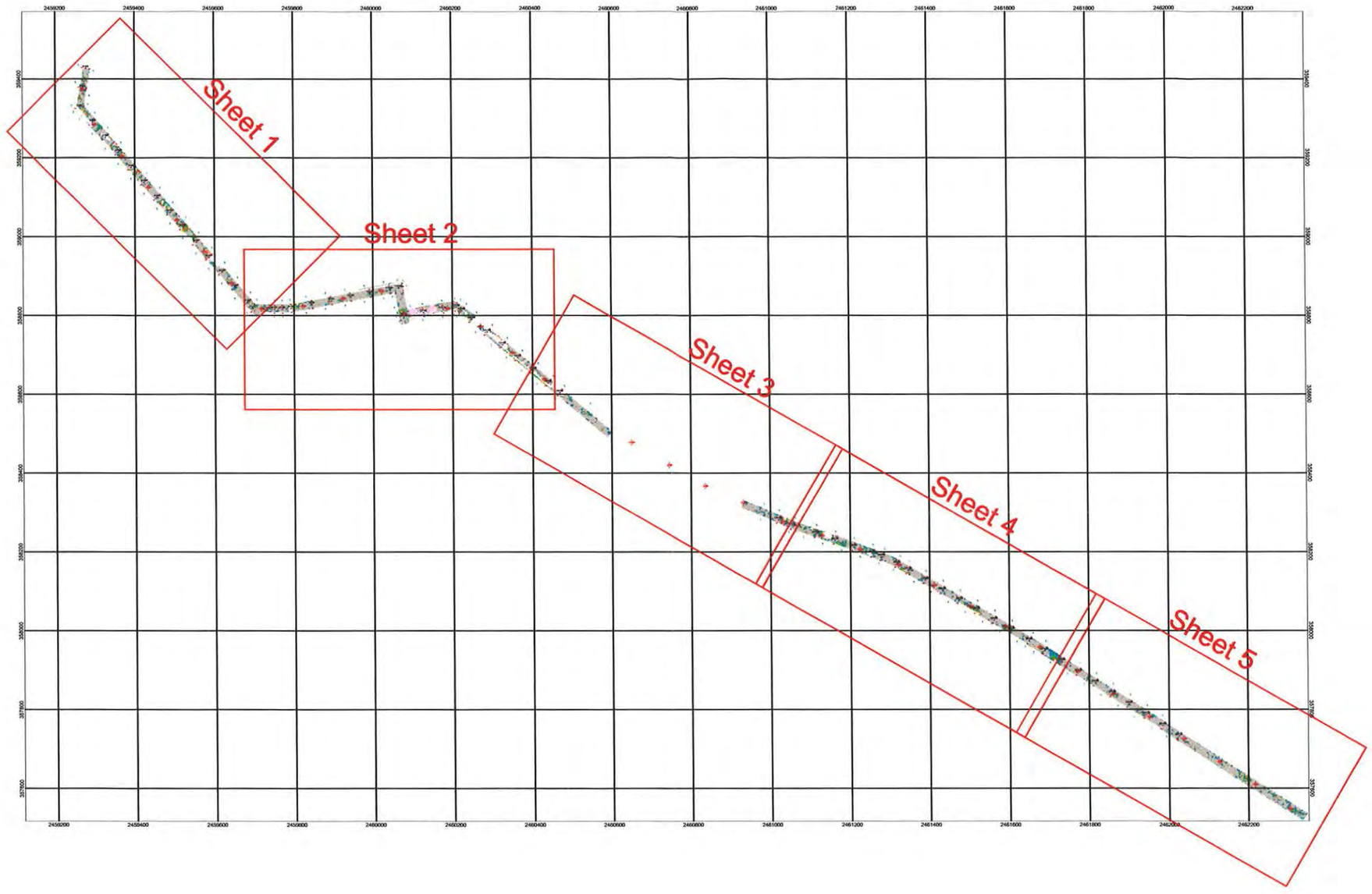
Sheet 6
AOC 3 Waterline Corridor
Camp LeJeune, N.C.

Project No:	Date:	Drawn By:	Checked By:	Scale:	Figure:
2059	June, 2007	HJV	JH	1" = 50'	B-7



Explanation

- Soil Boring
- 0+00 Centerline Distance
- Centerline Survey Points
- Offset Survey Points

N

0 300 600
Scale in Feet

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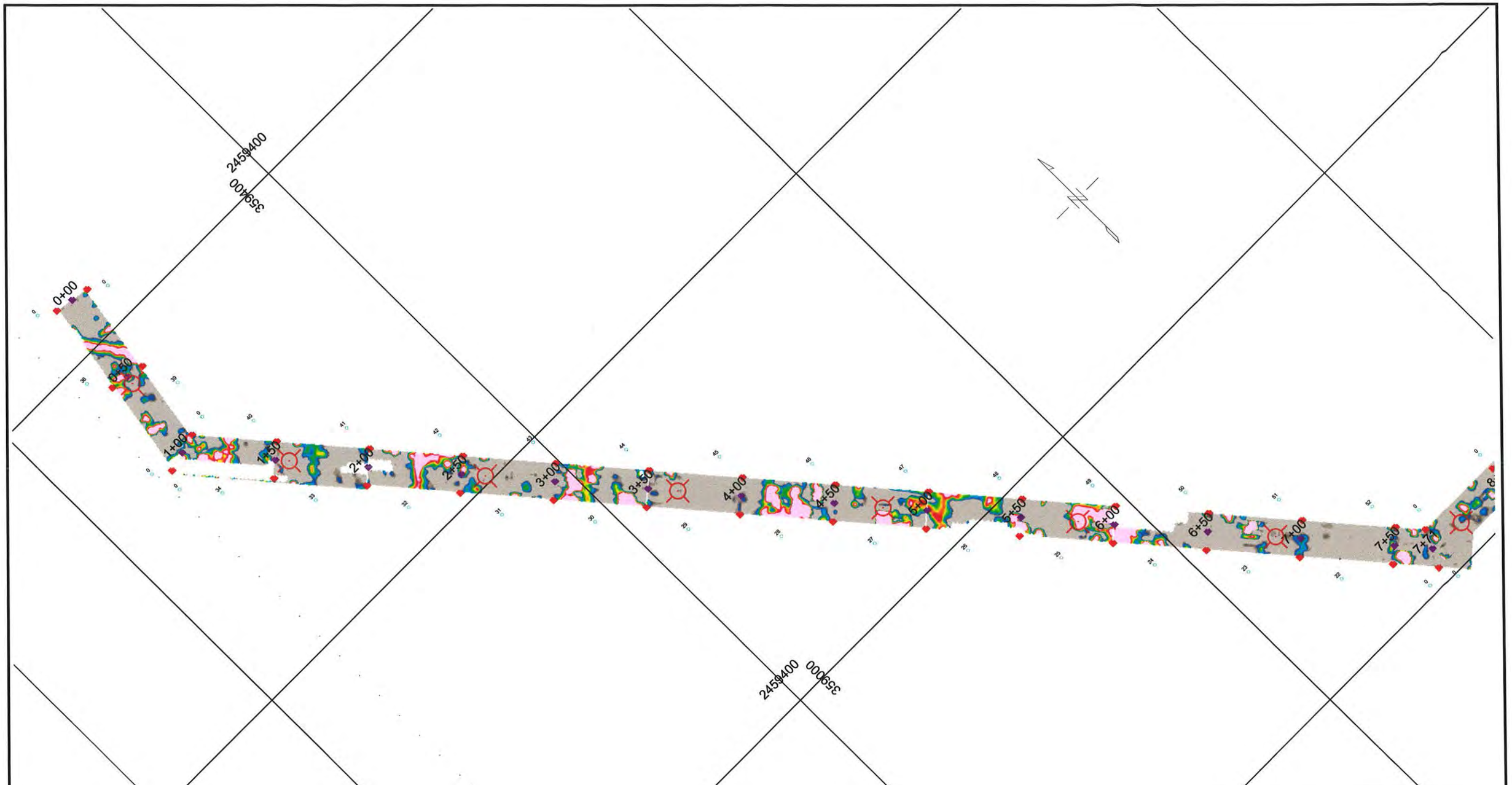
Geophysical Survey
Index Map
AOC 1 Waterline Corridor
Camp LeJeune, N.C.

Project No:	Date:	Drawn By:	Checked By:	Scale:	Figure:
2059	June, 2007	HJV	JH	1" = 300'	B-8



Explanation

- Soil Boring
- 0+00 Centerline Distance
- Centerline Survey Points
- Offset Survey Points

0 50 100
Scale in Feet

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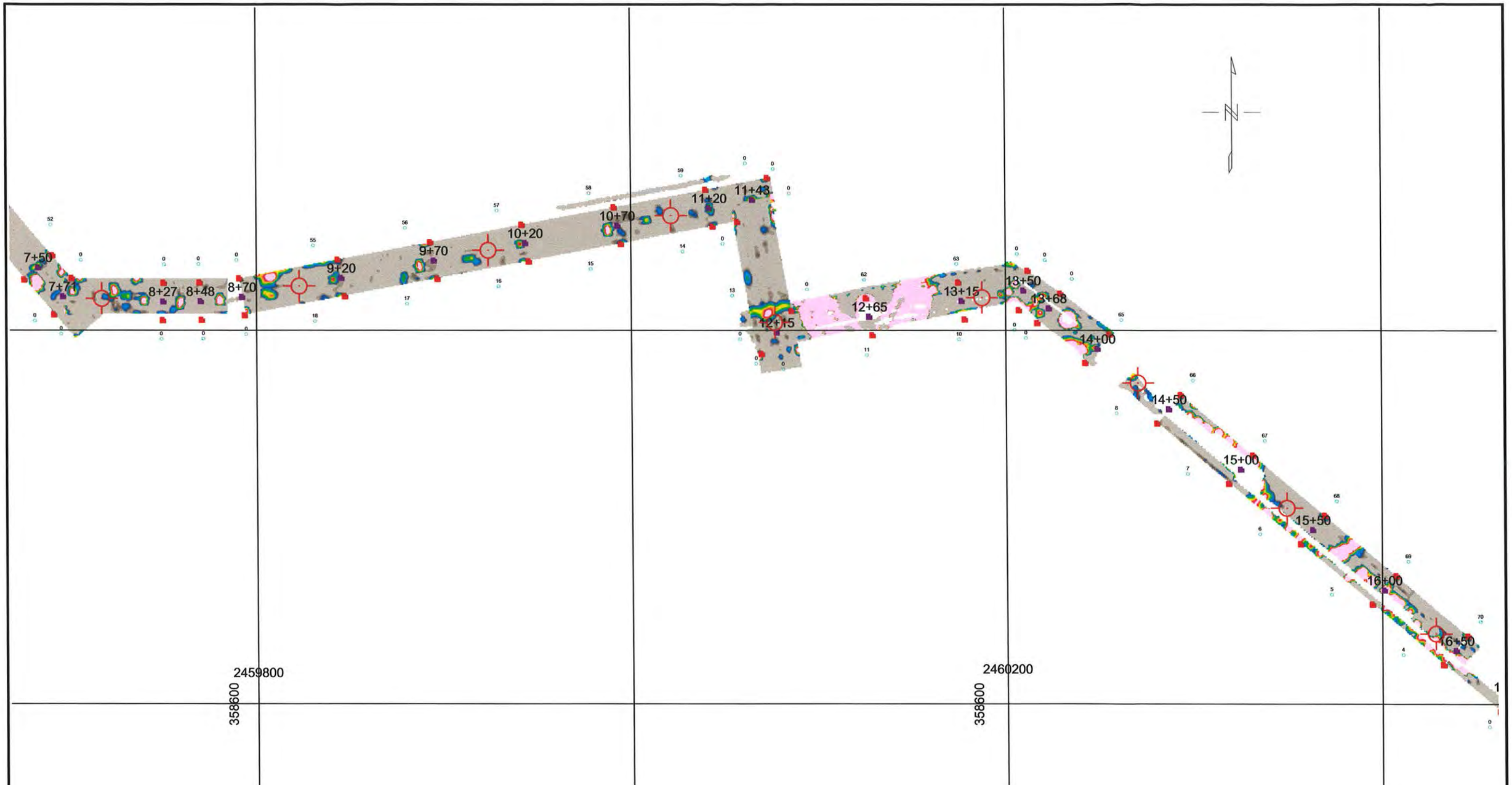
Geophysical Survey
Sheet 1
AOC 1 Waterline Corridor
Camp LeJeune, N.C.

Project No:	Date:	Drawn By:	Checked By:	Scale:	Figure:
2059	June, 2007	HJV	JH	1" = 50'	B-9



Explanation

Soil Boring

0+00 Centerline Distance

Centerline Survey Points

Offset Survey Points

0 50 100
Scale in Feet

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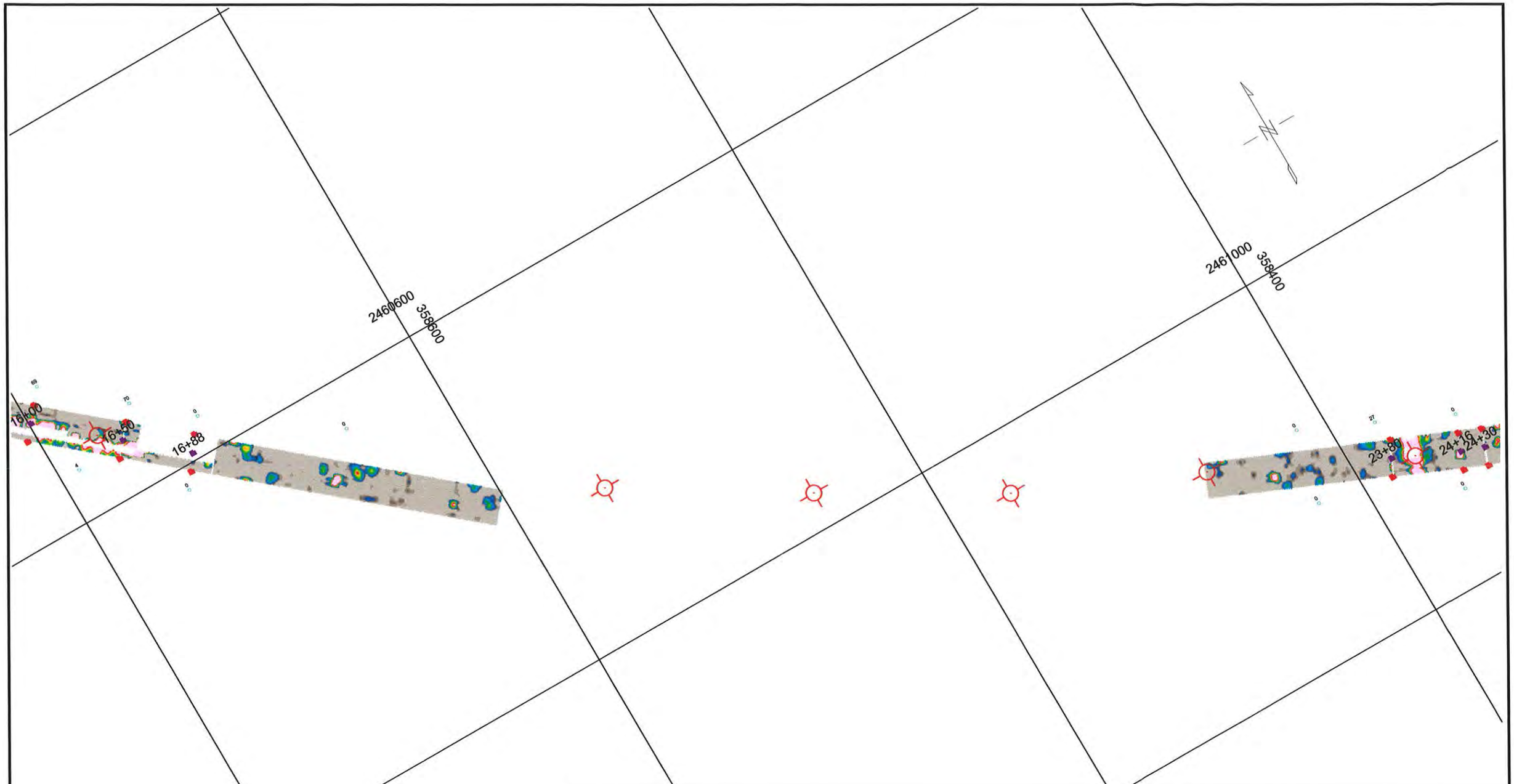
Geophysical Survey
Sheet 2
AOC 1 Waterline Corridor
Camp LeJeune, N.C.

Project No:	Date:	Drawn By:	Checked By:	Scale:	Figure:
2059	June, 2007	HJV	JH	1" = 50'	B-10



Explanation

Soil Boring

0+00 Centerline Distance

Centerline Survey Points

Offset Survey Points

0 50 100
Scale in Feet

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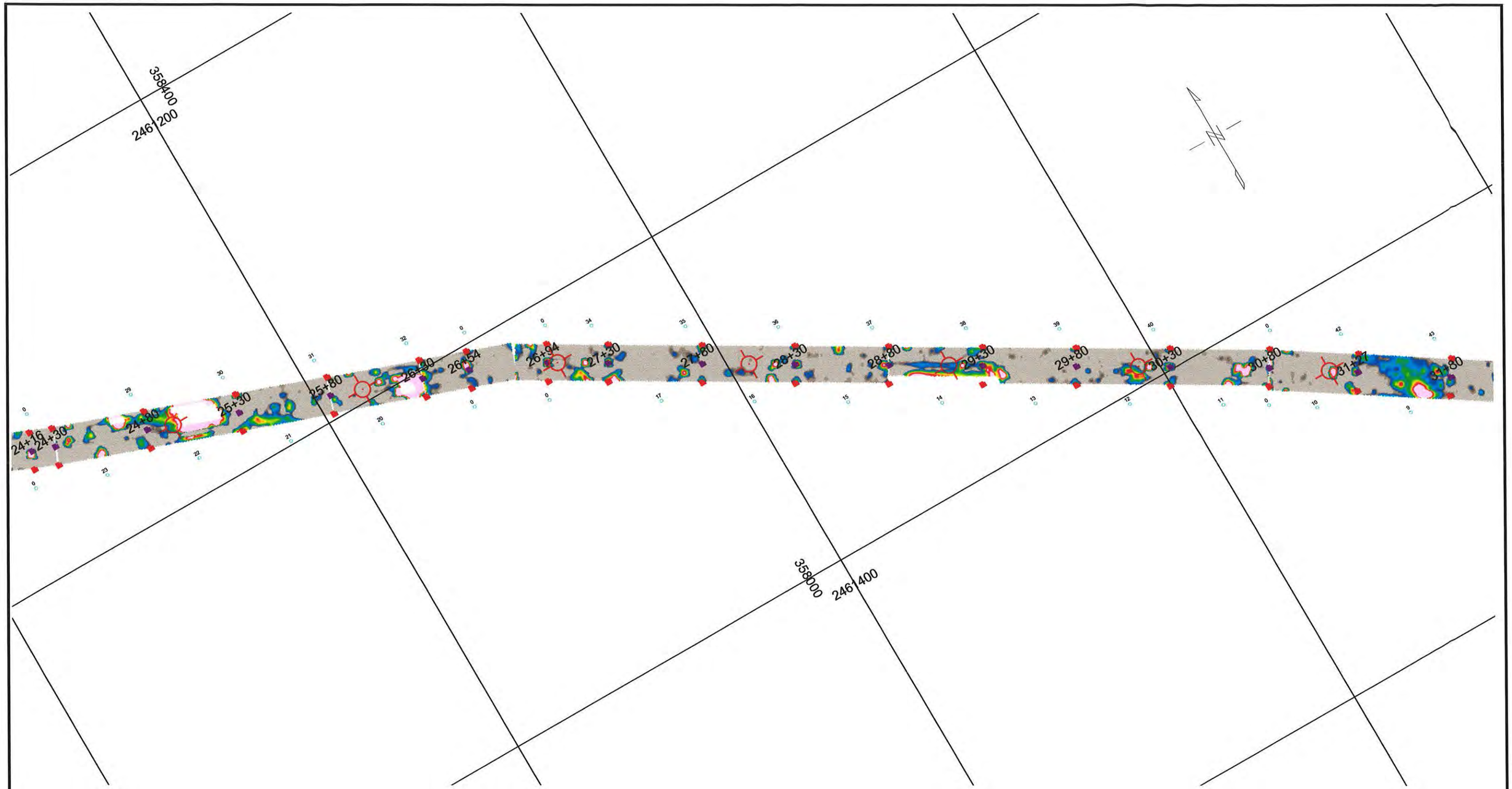
Geophysical Survey
Sheet 3
AOC 1 Waterline Corridor
Camp LeJeune, N.C.

Project No:	Date:	Drawn By:	Checked By:	Scale:	Figure:
2059	June, 2007	HJV	JH	1" = 50'	B-11



Explanation

- Soil Boring
- 0+00 Centerline Distance
- Centerline Survey Points
- Offset Survey Points

0 50 100
Scale in Feet

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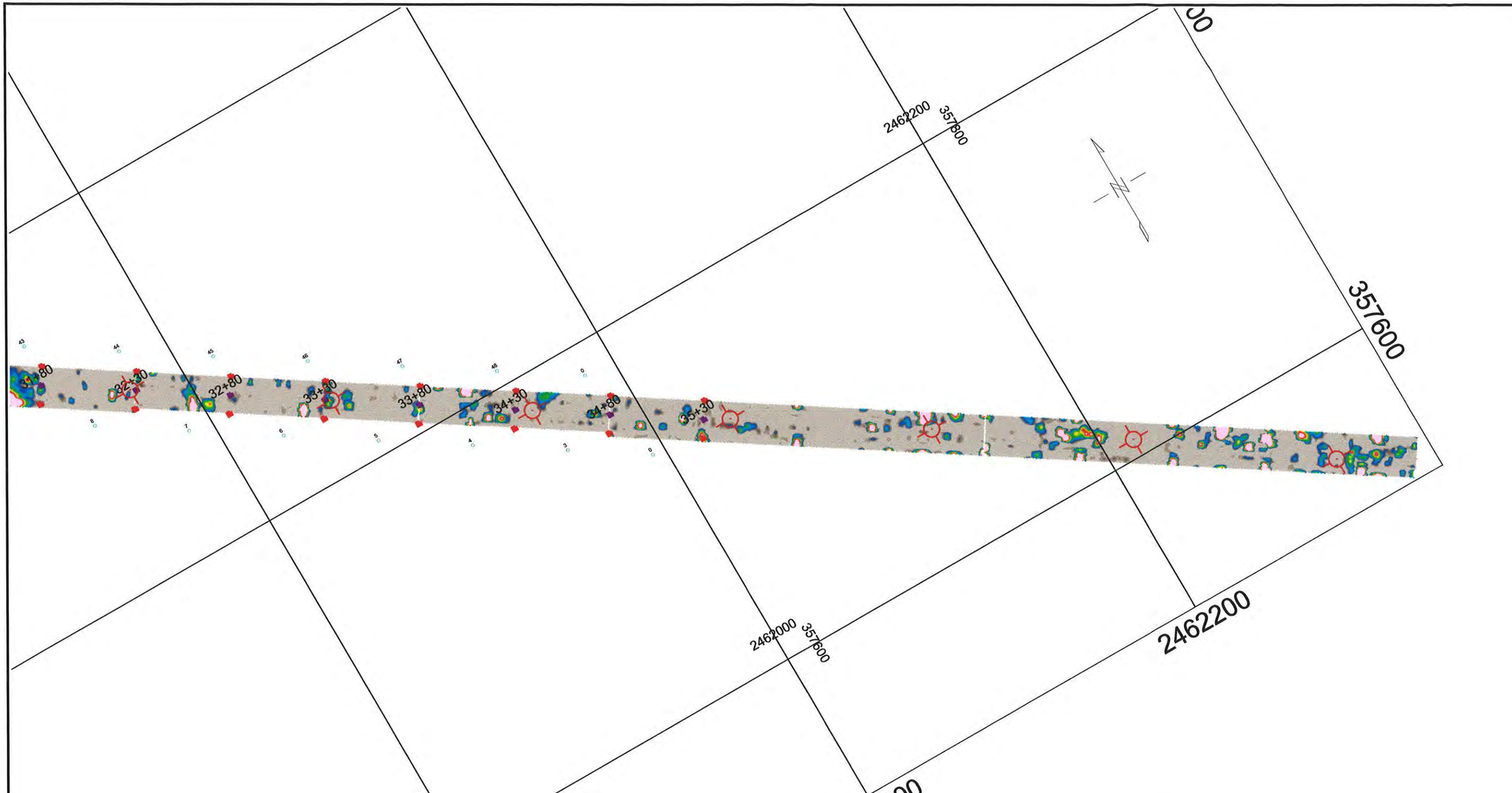
Geophysical Survey
Sheet 4
AOC 1 Waterline Corridor
Camp LeJeune, N.C.

Project No:	Date:	Drawn By:	Checked By:	Scale:	Figure:
2059	June, 2007	HJV	JH	1" = 50'	B-12



Explanation

Soil Boring

0+00 Centerline Distance

Centerline Survey Points

Offset Survey Points

0 50 100
Scale in Feet

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Geophysical Survey
Sheet 5
AOC 1 Waterline Corridor
Camp LeJeune, N.C.

Project No:	Date:	Drawn By:	Checked By:	Scale:	Figure:
2059	June, 2007	HJV	JH	1" = 50'	B-13

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Appendix B

Soil Boring Logs

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SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS01 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/22/2007 Drilling Completed: 5/22/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	820	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	2.4	NA	0-8' = brown to grey, fine, well sorted sand.
4.0	8.0	4	2.6	NA	

Notes:

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SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS02 / MMRP06-TW02 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/22/2007 Drilling Completed: 5/22/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	855	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-8' = brown to grey, fine, well sorted sand.
4.0	8.0	4	0.0	NA	
					No groundwater sample collected. Water table >8' bls.

Notes:

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SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS03 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/22/2007 Drilling Completed: 5/22/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 1-5 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
1 to 5	Composite	915	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	2.5	22.7	NA	0-8' = brown to grey, fine, well sorted sand.
4.0	8.0	4	5.3	NA	

Notes:

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SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS04 / MMRP06-TW04 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/22/2007 Drilling Completed: 5/22/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1000	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	1552	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
4.9			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

* (List includes analysis for soil and water).

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-6' = Grey to brown, fine, well sorted sand
4.0	8.0	4	0.0	NA	6-8' = grey, wet, sandy clay

Notes:

* Due to lack of recharge in temporary well, groundwater samples were only collected for the following analysis: VOC method 8260B, SVOC method 8270C, TCL PCB's method 8082, Explosive Residues method 8330, TAL metals method 6010/74220, Cyanide method 9012, TOC method 415.1, Perchlorate method 314, Total Organic Halogens method 9020 B, TCL pesticides method 8081A, PCB's (Aroclors) method 8082. TPH-GRO method 5030A/8015A.

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SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS05 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/22/2007 Drilling Completed: 5/22/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1015	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.1	NA	0-8' = brown to grey, fine, well sorted sand with some clay content at 5'.
4.0	8.0	4	0.0	NA	

Notes:

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SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS06 / MMRP06-TW06 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/22/2007 Drilling Completed: 5/22/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1100	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	1600	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
5.7			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

* (List includes analysis for soil and water).

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-6' = Orange to grey, fine, well sorted sand.
4.0	8.0	4	0.0	NA	6-8' = Black, sandy peat with sulphur smell.
					Groundwater duplicate sample #1 collected.

Notes:

* Due to lack of recharge in temporary well, groundwater samples were only collected for the following analysis: VOC method 8260B, SVOC method 8270C, TCL PCB's method 8082, Explosive Residues method 8330, TAL metals method 6010/74220, Cyanide method 9012, TOC method 415.1, Perchlorate method 314, Total Organic Halogens method 9020 B, TCL pesticides method 8081A, PCB's (Aroclors) method 8082. TPH-GRO method 5030A/8015A.

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SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS07 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/22/2007 Drilling Completed: 5/22/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1115	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-6' = Orange to grey, fine, well sorted sand.
4.0	8.0	4	0.0	NA	6-8' = Grey sandy wet clay

Notes:

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SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS08 / MMRP06-TW08 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started 5/22/2007 Drilling Completed 5/22/2007

Drilling Contractor Vironex Environmental Services LLC Driller Seth Shaver Helper

Drilling Fluid Used none Drilling Method Geoprobe

Length and Diameter of Coring Device 5 feet long, 2 inch diameter Sampling Interval 3-7 feet

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 8 Feet Hole Diameter 2 inch Coring Device Geoprobe 6620 DT

Prepared By Adam Tripp Hammer Weight NA Hammer Drop NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1200	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-8' = Black to grey, fine, well sorted sand.
4.0	8.0	4	0.0	NA	
					No groundwater sample collected. Water table >8' bls.

Notes:

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SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS09 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/22/2007 Drilling Completed: 5/22/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1417	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-8' = Black to grey, fine, well sorted sand,
					with some clay content from 3-3.5'.
4.0	8.0	4	0.0	NA	

Notes:

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SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS10 / MMRP06-TW10 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started 5/22/2007 Drilling Completed 5/22/2007

Drilling Contractor Vironex Environmental Services LLC Driller Seth Shaver Helper

Drilling Fluid Used none Drilling Method Geoprobe

Length and Diameter of Coring Device 5 feet long, 2 inch diameter Sampling Interval 3-7 feet

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 8 Feet Hole Diameter 2 inch Coring Device Geoprobe 6620 DT

Prepared By Adam Tripp Hammer Weight NA Hammer Drop NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1451	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-8' = white to grey, fine, well sorted sand,
					with some clay content at 1.5'.
4.0	8.0	4	0.0	NA	
					No groundwater sample collected. Water table >8' bls.

Notes:

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SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS11 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/22/2007 Drilling Completed: 5/22/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1520	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-8' = Orange to white, fine, well sorted, sand.
4.0	8.0	4	0.0	NA	

Notes:

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SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS12 / MMRP06-TW12 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started 5/23/2007 Drilling Completed 5/23/2007

Drilling Contractor Vironex Environmental Services LLC Driller Seth Shaver Helper

Drilling Fluid Used none Drilling Method Geoprobe

Length and Diameter of Coring Device 5 feet long, 2 inch diameter Sampling Interval 3-7 feet

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 8 Feet Hole Diameter 2 inch Coring Device Geoprobe 6620 DT

Prepared By Adam Tripp Hammer Weight NA Hammer Drop NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	800	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.5	NA	0-8' = Orange to grey, fine sand. Moist at 6'.
4.0	8.0	4	1.0	NA	
					No groundwater sample collected. Water table >8' bls.
					Soil duplicate sample #1 collected.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS13 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/23/2007 Drilling Completed: 5/23/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	830	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-8' = Orange to white, fine, well sorted, sand.
4.0	8.0	4	0.0	NA	

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS14 / MMRP06-TW14 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started 5/23/2007 Drilling Completed 5/23/2007

Drilling Contractor Vironex Environmental Services LLC Driller Seth Shaver Helper

Drilling Fluid Used none Drilling Method Geoprobe

Length and Diameter of Coring Device 5 feet long, 2 inch diameter Sampling Interval 3-7 feet

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 8 Feet Hole Diameter 2 inch Coring Device Geoprobe 6620 DT

Prepared By Adam Tripp Hammer Weight NA Hammer Drop NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	900	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	2.2	NA	0-8' = Orange to white, fine, well sorted, sand.
4.0	8.0	4	0.0	NA	
					No groundwater sample collected. Water table >8' bls.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS15 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/23/2007 Drilling Completed: 5/23/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	930	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	2	0.6	NA	0-8' = Yellow to tan, fine, well sorted, sand.
4.0	8.0	4	0.0	NA	

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS16 / MMRP06-TW16 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/23/2007 Drilling Completed: 5/23/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	940	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	3	0.2	NA	0-8' = Tan to white, fine sand.
4.0	8.0	4	0.0	NA	
					No groundwater sample collected. Water table >8' bls.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS17 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/23/2007 Drilling Completed: 5/23/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1000	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	2	0.0	NA	0-8' = Tan to white, fine sand.
4.0	8.0	4	0.0	NA	

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS18 / MMRP06-TW18 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/23/2007 Drilling Completed: 5/23/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1030	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-8' = Tan to white, fine sand.
4.0	8.0	4	0.0	NA	
					No groundwater sample collected. Water table >8' bls.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS19 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/23/2007 Drilling Completed: 5/23/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1100	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-8' = Tan to white, fine sand.
4.0	8.0	4	0.0	NA	

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS20 / MMRP06-TW20 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/23/2007 Drilling Completed: 5/23/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1100	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine sand.
					No groundwater sample collected. Water table >8' bls.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS21 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/23/2007 Drilling Completed: 5/23/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1315	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine sand.
					Soil duplicate sample #2 collected.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS22 / MMRP06-TW22 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/23/2007 Drilling Completed: 5/23/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1345	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine sand.
					No groundwater sample collected. Water table >8' bls.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS23 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/23/2007 Drilling Completed: 5/23/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1410	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine sand.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS24 / MMRP06-TW24 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/23/2007 Drilling Completed: 5/23/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1430	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	2.9	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine sand.
					No groundwater sample collected. Water table >8' bls.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS25 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/23/2007 Drilling Completed: 5/23/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1500	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine sand.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS26 / MMRP06-TW26 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/23/2007 Drilling Completed: 5/23/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1530	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	3	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	2	0.0	NA	1-7' = Tan to white, fine sand.
					Probe refusal at 7'.
					No groundwater sample collected. Water table >8' bls.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS27 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/24/2007 Drilling Completed: 5/24/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	745	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.4	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.4	NA	1-8' = Tan to white, fine, well sorted sand, with some clay content.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS28 / MMRP06-TW28 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started 5/24/2007 Drilling Completed 5/24/2007

Drilling Contractor Vironex Environmental Services LLC Driller Seth Shaver Helper

Drilling Fluid Used none Drilling Method Geoprobe

Length and Diameter of Coring Device 5 feet long, 2 inch diameter Sampling Interval 3-7 feet

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 8 Feet Hole Diameter 2 inch Coring Device Geoprobe 6620 DT

Prepared By Adam Tripp Hammer Weight NA Hammer Drop NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	810	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	3	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.1	NA	1-8' = Tan to white, fine, well sorted sand, with some clay content.
					No groundwater sample collected. Water table >8' bls.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS29 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/24/2007 Drilling Completed: 5/24/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	840	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine, well sorted sand, with some clay content.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS30 / MMRP06-TW30 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/24/2007 Drilling Completed: 5/24/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	910	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine, well sorted sand, with some clay content.
					No groundwater sample collected. Water table >8' bls.
					Soil duplicate sample #3 collected.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS31 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/24/2007 Drilling Completed: 5/24/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	940	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine, well sorted sand, with some clay content.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS32 / MMRP06-TW32 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started 5/24/2007 Drilling Completed 5/24/2007

Drilling Contractor Vironex Environmental Services LLC Driller Seth Shaver Helper

Drilling Fluid Used none Drilling Method Geoprobe

Length and Diameter of Coring Device 5 feet long, 2 inch diameter Sampling Interval 3-7 feet

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 8 Feet Hole Diameter 2 inch Coring Device Geoprobe 6620 DT

Prepared By Adam Tripp Hammer Weight NA Hammer Drop NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1010	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine, well sorted sand, with some clay content.
					No groundwater sample collected. Water table >8' bls.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS33 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/24/2007 Drilling Completed: 5/24/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1040	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine, well sorted sand, with some clay content.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS34 / MMRP06-TW34 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/24/2007 Drilling Completed: 5/24/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1110	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine, well sorted sand, with some clay content.
					No groundwater sample collected. Water table >8' bls.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS35 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/24/2007 Drilling Completed: 5/24/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1140	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine, well sorted sand, with some clay content.

Notes:

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SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS36 / MMRP06-TW36 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started 5/24/2007 Drilling Completed 5/24/2007

Drilling Contractor Vironex Environmental Services LLC Driller Seth Shaver Helper

Drilling Fluid Used none Drilling Method Geoprobe

Length and Diameter of Coring Device 5 feet long, 2 inch diameter Sampling Interval 3-7 feet

Land-Surface Elev. feet ☐ Surveyed ☐ Estimated Datum

Total Depth Drilled 8 Feet Hole Diameter 2 inch Coring Device Geoprobe 6620 DT

Prepared By Adam Tripp Hammer Weight NA Hammer Drop NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1330	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine, well sorted sand, with some clay content.
					No groundwater sample collected. Water table >8' bls.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS37 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/24/2007 Drilling Completed: 5/24/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1400	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine, well sorted sand, with some clay content.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS38 / MMRP06-TW38 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/24/2007 Drilling Completed: 5/24/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1420	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine, well sorted sand, with some clay content.
					No groundwater sample collected. Water table >8' bls.
					Soil duplicate sample #4 collected.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS39 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/24/2007 Drilling Completed: 5/24/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1500	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine, well sorted sand, with some clay content.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS40 / MMRP06-TW40 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/25/2007 Drilling Completed: 5/25/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	810	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine, well sorted sand, with some clay content.
					No groundwater sample collected. Water table >8' bls.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS41 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/25/2007 Drilling Completed: 5/25/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	1500	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
			TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine, well sorted sand, with some clay content.

Notes:

ARCADIS

SOIL CORE / SAMPLING LOG

Boring/Well MMRP06-IS42 / MMRP06-TW42 Project/No. NC107002.0002/Task 00001 Page 1 of 1

Site Location: UXO-05, Marine Corp Air Station New River, Jacksonville, Onslow County, North Carolina

Drilling Started: 5/25/2007 Drilling Completed: 5/25/2007

Drilling Contractor: Vironex Environmental Services LLC Driller: Seth Shaver Helper:

Drilling Fluid Used: none Drilling Method: Geoprobe

Length and Diameter of Coring Device: 5 feet long, 2 inch diameter Sampling Interval: 3-7 feet

Land-Surface Elev. _____ feet ☐ Surveyed ☐ Estimated Datum _____

Total Depth Drilled: 8 Feet Hole Diameter: 2 inch Coring Device: Geoprobe 6620 DT

Prepared By: Adam Tripp Hammer Weight: NA Hammer Drop: NA ins.

Sampling Data:

Depth (Feet bls)	Grab/Composite/GW	Time	Laboratory Analysis
3 to 7	Composite	910	VOC method 8260B, SVOC method 8270C, TCL pesticides 8081A,
			TCL PCB's method 8082, Explosive Residues method 8330,
			TAL metals method 6010/74220, Cyanide method 9012,
Depth to GW (ft bls)	Groundwater (GW)	NA	TOC method 415.1, PCB's (Aroclors) method 8082, Perchlorate method 314
>8			Total Organic Halogens method 9020 B, TPH-GRO method 5030A/8015A
			TPH-DRO method 3350A/8015A.

Soil Characterization:

Sample/Core Depth (Feet bls) From	To	Core Recovery (Feet)	PID Reading (ppm)	Blow Counts per 6 Inches	Sample/Core Description
0.0	4.0	4	0.0	NA	0-1' = gravel and fill dirt.
4.0	8.0	4	0.0	NA	1-8' = Tan to white, fine, well sorted sand, with some clay content.
					No groundwater sample collected. Water table >8' bls.

Notes:

ARCADIS

Appendix C

Laboratory Analytical Data

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

ARCADIS U.S., Inc.
801 Corporate Center Drive
Suite 300
Raleigh, NC 27607
Attention: Lorie Carlisle

Project Name: **ONWASA**

Lot Number: **IE23019**
Date Completed: **06/13/2007**

Paul Kim Biery
Project Manager

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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
ARCADIS U.S., Inc.
Lot Number: IE23019

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Inorganic Non-metals
The MS/MSD associated with sample -001 had TOC recover outside of the acceptance limits. The LCS/LCSD associated with this batch had TOC recover within the required acceptance limits, therefore no corrective action was required.

GC/MS Volatiles
The LCSD associated with batch 58195 shows 1,1,2,2-tetrachloroethane outside of the acceptance limits. The five compounds required for spiking, as outlined in SW846 5030B, all passed within the required recovery limits. The compounds that were outside of the recovery limits in this batch either failed marginally, or are demonstrated poor performers. There were no detections for any of these compounds in the samples associated with this batch.

Sample Summary
ARCADIS U.S., Inc.
Lot Number: IE23019

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MMRP06-IS01	Solid	05/22/2007 0820	05/23/2007
002	MMRP06-IS02	Solid	05/22/2007 0855	05/23/2007
003	MMRP06-IS03	Solid	05/22/2007 0915	05/23/2007
004	MMRP06-IS04	Solid	05/22/2007 1000	05/23/2007
005	MMRP06-IS05	Solid	05/22/2007 1015	05/23/2007
006	MMRP06-IS06	Solid	05/22/2007 1100	05/23/2007
007	MMRP06-IS07	Solid	05/22/2007 1115	05/23/2007
008	MMRP06-IS08	Solid	05/22/2007 1200	05/23/2007
009	MMRP06-IS09	Solid	05/22/2007 1417	05/23/2007
010	MMRP06-IS10	Solid	05/22/2007 1451	05/23/2007
011	MMRP06-IS11	Solid	05/22/2007 1520	05/23/2007

(11 samples)

Executive Summary
ARCADIS U.S., Inc.
Lot Number: IE23019

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MMRP06-IS01	Solid	TOC	Walkley-Black	1300		mg/kg	7
001	MMRP06-IS01	Solid	Acetone	8260B	94		ug/kg	8
001	MMRP06-IS01	Solid	TPH-DRO	8015B	9600		ug/kg	14
001	MMRP06-IS01	Solid	Aluminum	6010B	5500		mg/kg	16
001	MMRP06-IS01	Solid	Barium	6010B	10		mg/kg	16
001	MMRP06-IS01	Solid	Chromium	6010B	7.1		mg/kg	16
001	MMRP06-IS01	Solid	Copper	6010B	1.6		mg/kg	16
001	MMRP06-IS01	Solid	Iron	6010B	2500		mg/kg	16
001	MMRP06-IS01	Solid	Lead	6010B	3.1		mg/kg	16
001	MMRP06-IS01	Solid	Manganese	6010B	11		mg/kg	16
001	MMRP06-IS01	Solid	Nickel	6010B	2.7		mg/kg	16
001	MMRP06-IS01	Solid	Vanadium	6010B	6.8		mg/kg	16
001	MMRP06-IS01	Solid	Zinc	6010B	25		mg/kg	16
002	MMRP06-IS02	Solid	TOC	Walkley-Black	340		mg/kg	17
002	MMRP06-IS02	Solid	Acetone	8260B	48		ug/kg	18
002	MMRP06-IS02	Solid	Aluminum	6010B	6000		mg/kg	26
002	MMRP06-IS02	Solid	Barium	6010B	6.4		mg/kg	26
002	MMRP06-IS02	Solid	Chromium	6010B	5.6		mg/kg	26
002	MMRP06-IS02	Solid	Copper	6010B	1.1		mg/kg	26
002	MMRP06-IS02	Solid	Iron	6010B	1300		mg/kg	26
002	MMRP06-IS02	Solid	Lead	6010B	2.4		mg/kg	26
002	MMRP06-IS02	Solid	Manganese	6010B	7.4		mg/kg	26
002	MMRP06-IS02	Solid	Nickel	6010B	2.8		mg/kg	26
002	MMRP06-IS02	Solid	Vanadium	6010B	4.6		mg/kg	26
002	MMRP06-IS02	Solid	Zinc	6010B	36		mg/kg	26
003	MMRP06-IS03	Solid	TOC	Walkley-Black	320		mg/kg	27
003	MMRP06-IS03	Solid	Acetone	8260B	210		ug/kg	28
003	MMRP06-IS03	Solid	Aluminum	6010B	5400		mg/kg	36
003	MMRP06-IS03	Solid	Barium	6010B	8.8		mg/kg	36
003	MMRP06-IS03	Solid	Chromium	6010B	6.4		mg/kg	36
003	MMRP06-IS03	Solid	Copper	6010B	1.4		mg/kg	36
003	MMRP06-IS03	Solid	Iron	6010B	2300		mg/kg	36
003	MMRP06-IS03	Solid	Lead	6010B	2.8		mg/kg	36
003	MMRP06-IS03	Solid	Manganese	6010B	10		mg/kg	36
003	MMRP06-IS03	Solid	Vanadium	6010B	7.2		mg/kg	36
003	MMRP06-IS03	Solid	Zinc	6010B	7.5		mg/kg	36
004	MMRP06-IS04	Solid	TOC	Walkley-Black	480		mg/kg	37
004	MMRP06-IS04	Solid	Acetone	8260B	130		ug/kg	38
004	MMRP06-IS04	Solid	Aluminum	6010B	6600		mg/kg	46
004	MMRP06-IS04	Solid	Barium	6010B	7.7		mg/kg	46
004	MMRP06-IS04	Solid	Chromium	6010B	6.8		mg/kg	46
004	MMRP06-IS04	Solid	Copper	6010B	0.98		mg/kg	46
004	MMRP06-IS04	Solid	Iron	6010B	2200		mg/kg	46
004	MMRP06-IS04	Solid	Lead	6010B	2.7		mg/kg	46
004	MMRP06-IS04	Solid	Manganese	6010B	4.8		mg/kg	46

Executive Summary (Continued)

Lot Number: IE23019

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
004	MMRP06-IS04	Solid	Vanadium	6010B	9.1		mg/kg	46
004	MMRP06-IS04	Solid	Zinc	6010B	14		mg/kg	46
005	MMRP06-IS05	Solid	TOC	Walkley-Black	610		mg/kg	47
005	MMRP06-IS05	Solid	Aluminum	6010B	5100		mg/kg	56
005	MMRP06-IS05	Solid	Barium	6010B	6.9		mg/kg	56
005	MMRP06-IS05	Solid	Chromium	6010B	4.9		mg/kg	56
005	MMRP06-IS05	Solid	Copper	6010B	0.80		mg/kg	56
005	MMRP06-IS05	Solid	Iron	6010B	1000		mg/kg	56
005	MMRP06-IS05	Solid	Lead	6010B	2.9		mg/kg	56
005	MMRP06-IS05	Solid	Manganese	6010B	7.5		mg/kg	56
005	MMRP06-IS05	Solid	Vanadium	6010B	5.7		mg/kg	56
005	MMRP06-IS05	Solid	Zinc	6010B	37		mg/kg	56
006	MMRP06-IS06	Solid	TOC	Walkley-Black	2600		mg/kg	57
006	MMRP06-IS06	Solid	Aluminum	6010B	760		mg/kg	66
006	MMRP06-IS06	Solid	Chromium	6010B	1.5		mg/kg	66
006	MMRP06-IS06	Solid	Iron	6010B	300		mg/kg	66
006	MMRP06-IS06	Solid	Lead	6010B	1.9		mg/kg	66
006	MMRP06-IS06	Solid	Manganese	6010B	4.8		mg/kg	66
006	MMRP06-IS06	Solid	Zinc	6010B	24		mg/kg	66
007	MMRP06-IS07	Solid	TOC	Walkley-Black	12000		mg/kg	67
007	MMRP06-IS07	Solid	Acetone	8260B	78		ug/kg	68
007	MMRP06-IS07	Solid	TPH-DRO	8015B	22000		ug/kg	74
007	MMRP06-IS07	Solid	Aluminum	6010B	4200		mg/kg	76
007	MMRP06-IS07	Solid	Arsenic	6010B	0.98		mg/kg	76
007	MMRP06-IS07	Solid	Barium	6010B	5.4		mg/kg	76
007	MMRP06-IS07	Solid	Chromium	6010B	4.6		mg/kg	76
007	MMRP06-IS07	Solid	Copper	6010B	1.0		mg/kg	76
007	MMRP06-IS07	Solid	Iron	6010B	1200		mg/kg	76
007	MMRP06-IS07	Solid	Lead	6010B	3.0		mg/kg	76
007	MMRP06-IS07	Solid	Manganese	6010B	6.3		mg/kg	76
007	MMRP06-IS07	Solid	Vanadium	6010B	5.6		mg/kg	76
007	MMRP06-IS07	Solid	Zinc	6010B	14		mg/kg	76
008	MMRP06-IS08	Solid	TOC	Walkley-Black	1200		mg/kg	77
008	MMRP06-IS08	Solid	Acetone	8260B	31		ug/kg	78
008	MMRP06-IS08	Solid	4,4'-DDE	8081A	17		ug/kg	83
008	MMRP06-IS08	Solid	Endrin ketone	8081A	3.8		ug/kg	83
008	MMRP06-IS08	Solid	TPH-DRO	8015B	12000		ug/kg	84
008	MMRP06-IS08	Solid	Aluminum	6010B	6800		mg/kg	86
008	MMRP06-IS08	Solid	Barium	6010B	9.9		mg/kg	86
008	MMRP06-IS08	Solid	Calcium	6010B	360		mg/kg	86
008	MMRP06-IS08	Solid	Chromium	6010B	9.1		mg/kg	86
008	MMRP06-IS08	Solid	Copper	6010B	1.3		mg/kg	86
008	MMRP06-IS08	Solid	Iron	6010B	1800		mg/kg	86
008	MMRP06-IS08	Solid	Lead	6010B	4.0		mg/kg	86
008	MMRP06-IS08	Solid	Manganese	6010B	11		mg/kg	86
008	MMRP06-IS08	Solid	Potassium	6010B	340		mg/kg	86
008	MMRP06-IS08	Solid	Vanadium	6010B	7.9		mg/kg	86
008	MMRP06-IS08	Solid	Zinc	6010B	32		mg/kg	86

Executive Summary (Continued)

Lot Number: IE23019

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
009	MMRP06-IS09	Solid	TOC	Walkley-Black	2600		mg/kg	87
009	MMRP06-IS09	Solid	Aluminum	6010B	22000		mg/kg	96
009	MMRP06-IS09	Solid	Barium	6010B	21		mg/kg	96
009	MMRP06-IS09	Solid	Beryllium	6010B	0.25		mg/kg	96
009	MMRP06-IS09	Solid	Calcium	6010B	620		mg/kg	96
009	MMRP06-IS09	Solid	Chromium	6010B	19		mg/kg	96
009	MMRP06-IS09	Solid	Copper	6010B	2.7		mg/kg	96
009	MMRP06-IS09	Solid	Iron	6010B	4400		mg/kg	96
009	MMRP06-IS09	Solid	Lead	6010B	6.0		mg/kg	96
009	MMRP06-IS09	Solid	Magnesium	6010B	720		mg/kg	96
009	MMRP06-IS09	Solid	Manganese	6010B	18		mg/kg	96
009	MMRP06-IS09	Solid	Nickel	6010B	3.9		mg/kg	96
009	MMRP06-IS09	Solid	Potassium	6010B	1100		mg/kg	96
009	MMRP06-IS09	Solid	Vanadium	6010B	21		mg/kg	96
009	MMRP06-IS09	Solid	Zinc	6010B	27		mg/kg	96
010	MMRP06-IS10	Solid	TOC	Walkley-Black	860		mg/kg	97
010	MMRP06-IS10	Solid	Aluminum	6010B	10000		mg/kg	106
010	MMRP06-IS10	Solid	Arsenic	6010B	2.0		mg/kg	106
010	MMRP06-IS10	Solid	Barium	6010B	10		mg/kg	106
010	MMRP06-IS10	Solid	Chromium	6010B	10		mg/kg	106
010	MMRP06-IS10	Solid	Copper	6010B	1.7		mg/kg	106
010	MMRP06-IS10	Solid	Iron	6010B	2700		mg/kg	106
010	MMRP06-IS10	Solid	Lead	6010B	5.0		mg/kg	106
010	MMRP06-IS10	Solid	Magnesium	6010B	350		mg/kg	106
010	MMRP06-IS10	Solid	Manganese	6010B	9.9		mg/kg	106
010	MMRP06-IS10	Solid	Potassium	6010B	630		mg/kg	106
010	MMRP06-IS10	Solid	Vanadium	6010B	17		mg/kg	106
010	MMRP06-IS10	Solid	Zinc	6010B	9.2		mg/kg	106
011	MMRP06-IS11	Solid	Aluminum	6010B	19000		mg/kg	116
011	MMRP06-IS11	Solid	Arsenic	6010B	3.6		mg/kg	116
011	MMRP06-IS11	Solid	Barium	6010B	20		mg/kg	116
011	MMRP06-IS11	Solid	Beryllium	6010B	0.25		mg/kg	116
011	MMRP06-IS11	Solid	Chromium	6010B	23		mg/kg	116
011	MMRP06-IS11	Solid	Copper	6010B	3.1		mg/kg	116
011	MMRP06-IS11	Solid	Iron	6010B	6500		mg/kg	116
011	MMRP06-IS11	Solid	Lead	6010B	6.0		mg/kg	116
011	MMRP06-IS11	Solid	Magnesium	6010B	670		mg/kg	116
011	MMRP06-IS11	Solid	Manganese	6010B	12		mg/kg	116
011	MMRP06-IS11	Solid	Nickel	6010B	3.0		mg/kg	116
011	MMRP06-IS11	Solid	Potassium	6010B	1000		mg/kg	116
011	MMRP06-IS11	Solid	Vanadium	6010B	30		mg/kg	116
011	MMRP06-IS11	Solid	Zinc	6010B	12		mg/kg	116

(135 detections)

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS01**
Date Sampled: **05/22/2007 0820**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-001**
Matrix: **Solid**
% Solids: **78.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0802	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/28/2007 1541	KLW		58331

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.63	mg/kg	1
TOC		**Walkley-Black**	**1300**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS01**
Date Sampled: **05/22/2007 0820**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-001**
Matrix: **Solid**
% Solids: **78.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 1748	CMS		58195	5.40

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	**67-64-1**	**8260B**	**94**		**23**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.9	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.9	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.9	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.9	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.9	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.9	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.9	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.9	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.9	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.9	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.9	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.9	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.9	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.9	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.9	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.9	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.9	ug/kg	1
Styrene	100-42-5	8260B	ND		5.9	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.9	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.9	ug/kg	1
Toluene	108-88-3	8260B	ND		5.9	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.9	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.9	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.9	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.9	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.9	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS01**
Date Sampled: **05/22/2007 0820**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-001**
Matrix: **Solid**
% Solids: **78.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 1748	CMS		58195	5.40

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		5.9	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	53-142
Bromofluorobenzene		102	47-138
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE23019-001**
Description: **MMRP06-IS01**
Matrix: **Solid**
Date Sampled: **05/22/2007 0820**
% Solids: **78.9** **05/24/2007 0004**
Date Received: **05/23/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1612	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		420	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		420	ug/kg	1
Acetophenone	98-86-2	8270C	ND		420	ug/kg	1
Anthracene	120-12-7	8270C	ND		420	ug/kg	1
Atrazine	1912-24-9	8270C	ND		420	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1000	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		420	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		420	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		420	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		420	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		420	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		420	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		420	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		420	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1000	ug/kg	1
Carbazole	86-74-8	8270C	ND		420	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		420	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		420	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		420	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		420	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		420	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		420	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		420	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		420	ug/kg	1
Chrysene	218-01-9	8270C	ND		420	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		420	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		420	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		420	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		420	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		420	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		420	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		420	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		420	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		420	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		420	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		420	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		420	ug/kg	1
Fluorene	86-73-7	8270C	ND		420	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		420	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		420	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		420	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		420	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS01**
Date Sampled: **05/22/2007 0820**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-001**
Matrix: **Solid**
% Solids: **78.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1612	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		420	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		420	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		420	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		850	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		420	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		420	ug/kg	1
Naphthalene	91-20-3	8270C	ND		420	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		420	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		420	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		420	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		420	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		420	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		420	ug/kg	1
Phenol	108-95-2	8270C	ND		420	ug/kg	1
Pyrene	129-00-0	8270C	ND		420	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		420	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		420	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		73	30-117
2-Fluorobiphenyl		61	33-102
2-Fluorophenol		59	28-104
Nitrobenzene-d5		55	22-109
Phenol-d5		61	27-103
Terphenyl-d14		108	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS01**
Date Sampled: **05/22/2007 0820**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-001**
Matrix: **Solid**
% Solids: **78.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/30/2007 2119	NWD	05/26/2007 1615	58264

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		22	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		22	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		22	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		22	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		22	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		22	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		91	50-130
Tetrachloro-m-xylene		82	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS01**
Date Sampled: **05/22/2007 0820**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-001**
Matrix: **Solid**
% Solids: **78.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/02/2007 0120	LH	05/26/2007 1615	58263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.2	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.2	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.2	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.2	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.2	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.2	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.2	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.2	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.2	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.2	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.2	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.2	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.2	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.2	ug/kg	1
Endrin	72-20-8	8081A	ND		2.2	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.2	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.2	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.2	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.2	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.5	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		86	50-130
Tetrachloro-m-xylene		82	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS01**
Date Sampled: **05/22/2007 0820**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-001**
Matrix: **Solid**
% Solids: **78.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/30/2007 2344	NCM	05/25/2007 2000	58217

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		**8015B**	**9600**		**8500**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		79	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS01**
Date Sampled: **05/22/2007 0820**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-001**
Matrix: **Solid**
% Solids: **78.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/25/2007 1437	JGR		58254

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		6700	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		67	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS01**
Date Sampled: **05/22/2007 0820**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-001**
Matrix: **Solid**
% Solids: **78.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1418	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/02/2007 0235	MNM	05/30/2007 1300	58690
2	3050B	6010B	1	06/04/2007 1529	MNM	05/30/2007 1300	58690

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**5500**		**13**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.63	mg/kg	1
Arsenic	7440-38-2	6010B	ND		0.63	mg/kg	1
Barium	**7440-39-3**	**6010B**	**10**		**1.6**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.25	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.13	mg/kg	1
Calcium	7440-70-2	6010B	ND		320	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**7.1**		**0.32**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.6	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.6**		**0.32**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**2500**		**6.3**	**mg/kg**	**2**
Lead	**7439-92-1**	**6010B**	**3.1**		**0.63**	**mg/kg**	**1**
Magnesium	7439-95-4	6010B	ND		320	mg/kg	1
Manganese	**7439-96-5**	**6010B**	**11**		**0.95**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.10	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**2.7**		**2.5**	**mg/kg**	**1**
Potassium	7440-09-7	6010B	ND		320	mg/kg	1
Selenium	7782-49-2	6010B	ND		0.63	mg/kg	1
Silver	7440-22-4	6010B	ND		0.32	mg/kg	1
Sodium	7440-23-5	6010B	ND		320	mg/kg	1
Thallium	7440-28-0	6010B	ND		3.2	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**6.8**		**3.2**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**25**		**3.2**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE23019-002**
Description: **MMRP06-IS02**
Matrix: **Solid**
Date Sampled: **05/22/2007 0855**
% Solids: **79.2** **05/24/2007 0004**
Date Received: **05/23/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0807	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/28/2007 1541	KLW		58331

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.63	mg/kg	1
TOC		**Walkley-Black**	**340**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS02**
Date Sampled: **05/22/2007 0855**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-002**
Matrix: **Solid**
% Solids: **79.2** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 1811	CMS		58195	5.13

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	**67-64-1**	**8260B**	**48**		**24**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		6.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.1	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.1	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.1	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.1	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.1	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.1	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.1	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.1	ug/kg	1
Styrene	100-42-5	8260B	ND		6.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.1	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.1	ug/kg	1
Toluene	108-88-3	8260B	ND		6.1	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.1	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.1	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS02**
Date Sampled: **05/22/2007 0855**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-002**
Matrix: **Solid**
% Solids: **79.2** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 1811	CMS		58195	5.13

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		6.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		104	53-142
Bromofluorobenzene		102	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE23019-002**
Description: **MMRP06-IS02**
Matrix: **Solid**
Date Sampled: **05/22/2007 0855**
% Solids: **79.2** **05/24/2007 0004**
Date Received: **05/23/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1129	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		420	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		420	ug/kg	1
Acetophenone	98-86-2	8270C	ND		420	ug/kg	1
Anthracene	120-12-7	8270C	ND		420	ug/kg	1
Atrazine	1912-24-9	8270C	ND		420	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1000	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		420	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		420	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		420	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		420	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		420	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		420	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		420	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		420	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1000	ug/kg	1
Carbazole	86-74-8	8270C	ND		420	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		420	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		420	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		420	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		420	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		420	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		420	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		420	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		420	ug/kg	1
Chrysene	218-01-9	8270C	ND		420	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		420	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		420	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		420	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		420	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		420	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		420	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		420	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		420	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		420	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		420	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		420	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		420	ug/kg	1
Fluorene	86-73-7	8270C	ND		420	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		420	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		420	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		420	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		420	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS02**
Date Sampled: **05/22/2007 0855**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-002**
Matrix: **Solid**
% Solids: **79.2** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1129	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		420	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		420	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		420	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		840	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		420	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		420	ug/kg	1
Naphthalene	91-20-3	8270C	ND		420	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		420	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		420	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		420	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		420	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		420	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		420	ug/kg	1
Phenol	108-95-2	8270C	ND		420	ug/kg	1
Pyrene	129-00-0	8270C	ND		420	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		420	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		420	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		78	30-117
2-Fluorobiphenyl		65	33-102
2-Fluorophenol		70	28-104
Nitrobenzene-d5		58	22-109
Phenol-d5		71	27-103
Terphenyl-d14		91	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS02**
Date Sampled: **05/22/2007 0855**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-002**
Matrix: **Solid**
% Solids: **79.2** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/30/2007 2155	NWD	05/26/2007 1615	58264

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		21	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		21	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		21	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		21	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		21	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		21	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		93	50-130
Tetrachloro-m-xylene		81	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS02**
Date Sampled: **05/22/2007 0855**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-002**
Matrix: **Solid**
% Solids: **79.2** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/02/2007 0208	LH	05/26/2007 1615	58263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.1	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.1	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.1	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.1	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.1	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.1	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.1	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.1	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.1	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.1	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.1	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.1	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.1	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.1	ug/kg	1
Endrin	72-20-8	8081A	ND		2.1	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.1	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.1	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.1	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.1	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.4	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		83	50-130
Tetrachloro-m-xylene		78	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS02**
Date Sampled: **05/22/2007 0855**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-002**
Matrix: **Solid**
% Solids: **79.2** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 0102	NCM	05/25/2007 2000	58217

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		8400	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		78	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS02**
Date Sampled: **05/22/2007 0855**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-002**
Matrix: **Solid**
% Solids: **79.2** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/25/2007 1502	JGR		58254

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		7100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		76	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS02**
Date Sampled: **05/22/2007 0855**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-002**
Matrix: **Solid**
% Solids: **79.2** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1423	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/02/2007 0242	MNM	05/30/2007 1300	58690
2	3050B	6010B	1	06/04/2007 1535	MNM	05/30/2007 1300	58690

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**6000**		**13**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.63	mg/kg	1
Arsenic	7440-38-2	6010B	ND		0.63	mg/kg	1
Barium	**7440-39-3**	**6010B**	**6.4**		**1.6**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.25	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.13	mg/kg	1
Calcium	7440-70-2	6010B	ND		320	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**5.6**		**0.32**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.6	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.1**		**0.32**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**1300**		**6.3**	**mg/kg**	**2**
Lead	**7439-92-1**	**6010B**	**2.4**		**0.63**	**mg/kg**	**1**
Magnesium	7439-95-4	6010B	ND		320	mg/kg	1
Manganese	**7439-96-5**	**6010B**	**7.4**		**0.95**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.10	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**2.8**		**2.5**	**mg/kg**	**1**
Potassium	7440-09-7	6010B	ND		320	mg/kg	1
Selenium	7782-49-2	6010B	ND		0.63	mg/kg	1
Silver	7440-22-4	6010B	ND		0.32	mg/kg	1
Sodium	7440-23-5	6010B	ND		320	mg/kg	1
Thallium	7440-28-0	6010B	ND		3.2	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**4.6**		**3.2**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**36**		**3.2**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS03**
Date Sampled: **05/22/2007 0915**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-003**
Matrix: **Solid**
% Solids: **94.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0809	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/28/2007 1541	KLW		58331

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.53	mg/kg	1
TOC		**Walkley-Black**	**320**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS03**
Date Sampled: **05/22/2007 0915**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-003**
Matrix: **Solid**
% Solids: **94.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 1835	CMS		58195	5.37

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	**67-64-1**	**8260B**	**210**		**20**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		4.9	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.9	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.9	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.9	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.9	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.9	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.9	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.9	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.9	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.9	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.9	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.9	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.8	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.9	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.9	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.9	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.9	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.9	ug/kg	1
Styrene	100-42-5	8260B	ND		4.9	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.9	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.9	ug/kg	1
Toluene	108-88-3	8260B	ND		4.9	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.9	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.9	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.9	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.9	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.9	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS03**
Date Sampled: **05/22/2007 0915**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-003**
Matrix: **Solid**
% Solids: **94.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 1835	CMS		58195	5.37

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		4.9	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	53-142
Bromofluorobenzene		102	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS03**
Date Sampled: **05/22/2007 0915**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-003**
Matrix: **Solid**
% Solids: **94.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1150	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		350	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		350	ug/kg	1
Acetophenone	98-86-2	8270C	ND		350	ug/kg	1
Anthracene	120-12-7	8270C	ND		350	ug/kg	1
Atrazine	1912-24-9	8270C	ND		350	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		880	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		350	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		350	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		350	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		350	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		350	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		350	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		350	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		350	ug/kg	1
Caprolactam	105-60-2	8270C	ND		880	ug/kg	1
Carbazole	86-74-8	8270C	ND		350	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		350	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		350	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		350	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		350	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		350	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		350	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		350	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		350	ug/kg	1
Chrysene	218-01-9	8270C	ND		350	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		350	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		350	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		350	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		350	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		880	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		350	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		350	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		350	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		350	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		880	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		880	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		350	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		350	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		350	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		350	ug/kg	1
Fluorene	86-73-7	8270C	ND		350	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		350	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		350	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		880	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		350	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		350	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS03**
Date Sampled: **05/22/2007 0915**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-003**
Matrix: **Solid**
% Solids: **94.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1150	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		350	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		350	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		350	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		710	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		350	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		350	ug/kg	1
Naphthalene	91-20-3	8270C	ND		350	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		350	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		350	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		350	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		350	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		350	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		880	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		880	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		350	ug/kg	1
Phenol	108-95-2	8270C	ND		350	ug/kg	1
Pyrene	129-00-0	8270C	ND		350	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		350	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		350	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		73	30-117
2-Fluorobiphenyl		77	33-102
2-Fluorophenol		81	28-104
Nitrobenzene-d5		71	22-109
Phenol-d5		79	27-103
Terphenyl-d14		94	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS03**
Date Sampled: **05/22/2007 0915**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-003**
Matrix: **Solid**
% Solids: **94.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/30/2007 2207	NWD	05/26/2007 1615	58264

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		18	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		18	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		18	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		18	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		18	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		18	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		18	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		97	50-130
Tetrachloro-m-xylene		86	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS03**
Date Sampled: **05/22/2007 0915**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-003**
Matrix: **Solid**
% Solids: **94.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/02/2007 0224	LH	05/26/2007 1615	58263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		1.8	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		1.8	ug/kg	1
beta-BHC	319-85-7	8081A	ND		1.8	ug/kg	1
delta-BHC	319-86-8	8081A	ND		1.8	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		1.8	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		1.8	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		1.8	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		1.8	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		1.8	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		1.8	ug/kg	1
Dieldrin	60-57-1	8081A	ND		1.8	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		1.8	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		1.8	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		1.8	ug/kg	1
Endrin	72-20-8	8081A	ND		1.8	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		1.8	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		1.8	ug/kg	1
Heptachlor	76-44-8	8081A	ND		1.8	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		1.8	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.1	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		88	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		90	50-130
Tetrachloro-m-xylene		83	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS03**
Date Sampled: **05/22/2007 0915**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-003**
Matrix: **Solid**
% Solids: **94.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 0128	NCM	05/25/2007 2000	58217

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		7100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		80	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS03**
Date Sampled: **05/22/2007 0915**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-003**
Matrix: **Solid**
% Solids: **94.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/25/2007 1527	JGR		58254

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5000	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		69	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS03**
Date Sampled: **05/22/2007 0915**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-003**
Matrix: **Solid**
% Solids: **94.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1425	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/02/2007 0248	MNM	05/30/2007 1300	58690
2	3050B	6010B	1	06/04/2007 1541	MNM	05/30/2007 1300	58690

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**5400**		**10**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.53	mg/kg	1
Arsenic	7440-38-2	6010B	ND		0.53	mg/kg	1
Barium	**7440-39-3**	**6010B**	**8.8**		**1.4**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.21	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.10	mg/kg	1
Calcium	7440-70-2	6010B	ND		260	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**6.4**		**0.26**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.4	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.4**		**0.26**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**2300**		**5.3**	**mg/kg**	**2**
Lead	**7439-92-1**	**6010B**	**2.8**		**0.53**	**mg/kg**	**1**
Magnesium	7439-95-4	6010B	ND		260	mg/kg	1
Manganese	**7439-96-5**	**6010B**	**10**		**0.79**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.088	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.1	mg/kg	1
Potassium	7440-09-7	6010B	ND		260	mg/kg	1
Selenium	7782-49-2	6010B	ND		0.53	mg/kg	1
Silver	7440-22-4	6010B	ND		0.26	mg/kg	1
Sodium	7440-23-5	6010B	ND		260	mg/kg	1
Thallium	7440-28-0	6010B	ND		2.6	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**7.2**		**2.6**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**7.5**		**2.6**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS04**
Date Sampled: **05/22/2007 1000**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-004**
Matrix: **Solid**
% Solids: **77.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0812	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/28/2007 1541	KLW		

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.64	mg/kg	1
TOC		**Walkley-Black**	**480**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS04**
Date Sampled: **05/22/2007 1000**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-004**
Matrix: **Solid**
% Solids: **77.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 1858	CMS		58195	6.36

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	**67-64-1**	**8260B**	**130**		**20**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.1	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.1	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.1	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.1	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.1	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.1	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.1	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.1	ug/kg	1
Styrene	100-42-5	8260B	ND		5.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.1	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.1	ug/kg	1
Toluene	108-88-3	8260B	ND		5.1	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.1	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.1	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS04**
Date Sampled: **05/22/2007 1000**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-004**
Matrix: **Solid**
% Solids: **77.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 1858	CMS		58195	6.36

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		5.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	53-142
Bromofluorobenzene		106	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS04**
Date Sampled: **05/22/2007 1000**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-004**
Matrix: **Solid**
% Solids: **77.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1212	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		420	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		420	ug/kg	1
Acetophenone	98-86-2	8270C	ND		420	ug/kg	1
Anthracene	120-12-7	8270C	ND		420	ug/kg	1
Atrazine	1912-24-9	8270C	ND		420	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1100	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		420	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		420	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		420	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		420	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		420	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		420	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		420	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		420	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1100	ug/kg	1
Carbazole	86-74-8	8270C	ND		420	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		420	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		420	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		420	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		420	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		420	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		420	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		420	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		420	ug/kg	1
Chrysene	218-01-9	8270C	ND		420	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		420	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		420	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		420	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		420	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1100	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		420	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		420	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		420	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		420	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1100	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1100	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		420	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		420	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		420	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		420	ug/kg	1
Fluorene	86-73-7	8270C	ND		420	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		420	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		420	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1100	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		420	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		420	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS04**
Date Sampled: **05/22/2007 1000**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-004**
Matrix: **Solid**
% Solids: **77.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1212	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		420	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		420	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		420	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		860	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		420	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		420	ug/kg	1
Naphthalene	91-20-3	8270C	ND		420	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		420	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		420	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		420	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		420	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		420	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1100	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1100	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		420	ug/kg	1
Phenol	108-95-2	8270C	ND		420	ug/kg	1
Pyrene	129-00-0	8270C	ND		420	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		420	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		420	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		73	30-117
2-Fluorobiphenyl		68	33-102
2-Fluorophenol		68	28-104
Nitrobenzene-d5		57	22-109
Phenol-d5		68	27-103
Terphenyl-d14		93	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS04**
Date Sampled: **05/22/2007 1000**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-004**
Matrix: **Solid**
% Solids: **77.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/30/2007 2219	NWD	05/26/2007 1615	58264

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		22	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		22	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		22	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		22	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		22	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		22	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		95	50-130
Tetrachloro-m-xylene		89	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS04**
Date Sampled: **05/22/2007 1000**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-004**
Matrix: **Solid**
% Solids: **77.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/02/2007 0240	LH	05/26/2007 1615	58263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.2	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.2	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.2	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.2	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.2	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.2	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.2	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.2	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.2	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.2	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.2	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.2	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.2	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.2	ug/kg	1
Endrin	72-20-8	8081A	ND		2.2	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.2	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.2	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.2	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.2	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.6	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		110	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		78	50-130
Tetrachloro-m-xylene		81	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS04**
Date Sampled: **05/22/2007 1000**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-004**
Matrix: **Solid**
% Solids: **77.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 0154	NCM	05/25/2007 2000	58217

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		8600	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		80	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS04**
Date Sampled: **05/22/2007 1000**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-004**
Matrix: **Solid**
% Solids: **77.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/25/2007 1552	JGR		58254

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		6100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		66	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS04**
Date Sampled: **05/22/2007 1000**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-004**
Matrix: **Solid**
% Solids: **77.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1429	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/02/2007 0254	MNM	05/30/2007 1300	58690
2	3050B	6010B	1	06/04/2007 1547	MNM	05/30/2007 1300	58690

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**6600**		**13**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.64	mg/kg	1
Arsenic	7440-38-2	6010B	ND		0.64	mg/kg	1
Barium	**7440-39-3**	**6010B**	**7.7**		**1.7**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.26	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.13	mg/kg	1
Calcium	7440-70-2	6010B	ND		320	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**6.8**		**0.32**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.7	mg/kg	1
Copper	**7440-50-8**	**6010B**	**0.98**		**0.32**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**2200**		**6.4**	**mg/kg**	**2**
Lead	**7439-92-1**	**6010B**	**2.7**		**0.64**	**mg/kg**	**1**
Magnesium	7439-95-4	6010B	ND		320	mg/kg	1
Manganese	**7439-96-5**	**6010B**	**4.8**		**0.97**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.11	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.6	mg/kg	1
Potassium	7440-09-7	6010B	ND		320	mg/kg	1
Selenium	7782-49-2	6010B	ND		0.64	mg/kg	1
Silver	7440-22-4	6010B	ND		0.32	mg/kg	1
Sodium	7440-23-5	6010B	ND		320	mg/kg	1
Thallium	7440-28-0	6010B	ND		3.2	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**9.1**		**3.2**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**14**		**3.2**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS05**
Date Sampled: **05/22/2007 1015**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-005**
Matrix: **Solid**
% Solids: **84.8** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0813	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/28/2007 1541	KLW		58331

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.59	mg/kg	1
TOC		**Walkley-Black**	**610**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS05**
Date Sampled: **05/22/2007 1015**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-005**
Matrix: **Solid**
% Solids: **84.8** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 1922	CMS		58195	6.31

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		19	ug/kg	1
Benzene	71-43-2	8260B	ND		4.7	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.7	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.7	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.7	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.7	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.7	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.7	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.7	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.7	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.7	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.7	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.7	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.7	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.7	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.7	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.7	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.3	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.7	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.7	ug/kg	1
Styrene	100-42-5	8260B	ND		4.7	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.7	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.7	ug/kg	1
Toluene	108-88-3	8260B	ND		4.7	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.7	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.7	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.7	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.7	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.7	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS05**
Date Sampled: **05/22/2007 1015**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-005**
Matrix: **Solid**
% Solids: **84.8** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 1922	CMS		58195	6.31

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		4.7	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	53-142
Bromofluorobenzene		101	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS05**
Date Sampled: **05/22/2007 1015**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-005**
Matrix: **Solid**
% Solids: **84.8** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1233	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		390	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		390	ug/kg	1
Acetophenone	98-86-2	8270C	ND		390	ug/kg	1
Anthracene	120-12-7	8270C	ND		390	ug/kg	1
Atrazine	1912-24-9	8270C	ND		390	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		980	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		390	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		390	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		390	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		390	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		390	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		390	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		390	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		390	ug/kg	1
Caprolactam	105-60-2	8270C	ND		980	ug/kg	1
Carbazole	86-74-8	8270C	ND		390	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		390	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		390	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		390	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		390	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		390	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		390	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		390	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		390	ug/kg	1
Chrysene	218-01-9	8270C	ND		390	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		390	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		390	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		390	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		390	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		980	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		390	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		390	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		390	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		390	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		980	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		980	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		390	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		390	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		390	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		390	ug/kg	1
Fluorene	86-73-7	8270C	ND		390	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		390	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		390	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		980	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		390	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		390	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS05**
Date Sampled: **05/22/2007 1015**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-005**
Matrix: **Solid**
% Solids: **84.8** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1233	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		390	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		390	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		390	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		790	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		390	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		390	ug/kg	1
Naphthalene	91-20-3	8270C	ND		390	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		390	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		390	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		390	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		390	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		390	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		980	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		980	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		390	ug/kg	1
Phenol	108-95-2	8270C	ND		390	ug/kg	1
Pyrene	129-00-0	8270C	ND		390	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		390	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		390	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		71	30-117
2-Fluorobiphenyl		64	33-102
2-Fluorophenol		68	28-104
Nitrobenzene-d5		54	22-109
Phenol-d5		65	27-103
Terphenyl-d14		87	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS05**
Date Sampled: **05/22/2007 1015**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-005**
Matrix: **Solid**
% Solids: **84.8** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/30/2007 2231	NWD	05/26/2007 1615	58264

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		94	50-130
Tetrachloro-m-xylene		69	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS05**
Date Sampled: **05/22/2007 1015**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-005**
Matrix: **Solid**
% Solids: **84.8** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/02/2007 0256	LH	05/26/2007 1615	58263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.0	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.0	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.0	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.0	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.0	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.0	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.0	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.0	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.0	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.0	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.0	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.0	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.0	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.0	ug/kg	1
Endrin	72-20-8	8081A	ND		2.0	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.0	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.0	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.0	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.0	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.9	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		98	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		84	50-130
Tetrachloro-m-xylene		64	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS05**
Date Sampled: **05/22/2007 1015**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-005**
Matrix: **Solid**
% Solids: **84.8** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 0220	NCM	05/25/2007 2000	58217

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		7900	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		83	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS05**
Date Sampled: **05/22/2007 1015**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-005**
Matrix: **Solid**
% Solids: **84.8** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/25/2007 1617	JGR		58254

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5200	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		62	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS05**
Date Sampled: **05/22/2007 1015**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-005**
Matrix: **Solid**
% Solids: **84.8** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1430	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/02/2007 0300	MNM	05/30/2007 1300	58690
2	3050B	6010B	1	06/04/2007 1553	MNM	05/30/2007 1300	58690

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**5100**		**12**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.59	mg/kg	1
Arsenic	7440-38-2	6010B	ND		0.59	mg/kg	1
Barium	**7440-39-3**	**6010B**	**6.9**		**1.5**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.24	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.12	mg/kg	1
Calcium	7440-70-2	6010B	ND		290	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**4.9**		**0.29**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.5	mg/kg	1
Copper	**7440-50-8**	**6010B**	**0.80**		**0.29**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**1000**		**5.9**	**mg/kg**	**2**
Lead	**7439-92-1**	**6010B**	**2.9**		**0.59**	**mg/kg**	**1**
Magnesium	7439-95-4	6010B	ND		290	mg/kg	1
Manganese	**7439-96-5**	**6010B**	**7.5**		**0.88**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.098	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.4	mg/kg	1
Potassium	7440-09-7	6010B	ND		290	mg/kg	1
Selenium	7782-49-2	6010B	ND		0.59	mg/kg	1
Silver	7440-22-4	6010B	ND		0.29	mg/kg	1
Sodium	7440-23-5	6010B	ND		290	mg/kg	1
Thallium	7440-28-0	6010B	ND		2.9	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**5.7**		**2.9**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**37**		**2.9**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS06**
Date Sampled: **05/22/2007 1100**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-006**
Matrix: **Solid**
% Solids: **80.4** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0813	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/28/2007 1541	KLW		58331

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.62	mg/kg	1
TOC		**Walkley-Black**	**2600**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS06**
Date Sampled: **05/22/2007 1100**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-006**
Matrix: **Solid**
% Solids: **80.4** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 1945	CMS		58195	5.62

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		22	ug/kg	1
Benzene	71-43-2	8260B	ND		5.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.5	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.5	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.5	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.5	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.5	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.5	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.5	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.5	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.5	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.5	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.5	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.5	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.5	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.5	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.5	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.5	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.5	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.5	ug/kg	1
Styrene	100-42-5	8260B	ND		5.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.5	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.5	ug/kg	1
Toluene	108-88-3	8260B	ND		5.5	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.5	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.5	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.5	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.5	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS06**
Date Sampled: **05/22/2007 1100**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-006**
Matrix: **Solid**
% Solids: **80.4** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 1945	CMS		58195	5.62

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		5.5	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	53-142
Bromofluorobenzene		102	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS06**
Date Sampled: **05/22/2007 1100**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-006**
Matrix: **Solid**
% Solids: **80.4** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1255	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		410	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		410	ug/kg	1
Acetophenone	98-86-2	8270C	ND		410	ug/kg	1
Anthracene	120-12-7	8270C	ND		410	ug/kg	1
Atrazine	1912-24-9	8270C	ND		410	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1000	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		410	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		410	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		410	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		410	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		410	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		410	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		410	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		410	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1000	ug/kg	1
Carbazole	86-74-8	8270C	ND		410	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		410	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		410	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		410	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		410	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		410	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		410	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		410	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		410	ug/kg	1
Chrysene	218-01-9	8270C	ND		410	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		410	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		410	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		410	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		410	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		410	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		410	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		410	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		410	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		410	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		410	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		410	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		410	ug/kg	1
Fluorene	86-73-7	8270C	ND		410	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		410	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		410	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		410	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		410	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS06**
Date Sampled: **05/22/2007 1100**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-006**
Matrix: **Solid**
% Solids: **80.4** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1255	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		410	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		410	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		410	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		830	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		410	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		410	ug/kg	1
Naphthalene	91-20-3	8270C	ND		410	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		410	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		410	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		410	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		410	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		410	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		410	ug/kg	1
Phenol	108-95-2	8270C	ND		410	ug/kg	1
Pyrene	129-00-0	8270C	ND		410	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		410	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		410	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		69	30-117
2-Fluorobiphenyl		71	33-102
2-Fluorophenol		75	28-104
Nitrobenzene-d5		59	22-109
Phenol-d5		72	27-103
Terphenyl-d14		83	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS06**
Date Sampled: **05/22/2007 1100**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-006**
Matrix: **Solid**
% Solids: **80.4** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/30/2007 2243	NWD	05/26/2007 1615	58264

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		21	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		21	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		21	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		21	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		21	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		21	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		97	50-130
Tetrachloro-m-xylene		76	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS06**
Date Sampled: **05/22/2007 1100**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-006**
Matrix: **Solid**
% Solids: **80.4** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/02/2007 0312	LH	05/26/2007 1615	58263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.1	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.1	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.1	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.1	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.1	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.1	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.1	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.1	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.1	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.1	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.1	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.1	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.1	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.1	ug/kg	1
Endrin	72-20-8	8081A	ND		2.1	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.1	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.1	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.1	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.1	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.3	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		93	50-130
Tetrachloro-m-xylene		76	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS06**
Date Sampled: **05/22/2007 1100**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-006**
Matrix: **Solid**
% Solids: **80.4** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 0246	NCM	05/25/2007 2000	58217

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		8300	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		76	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS06**
Date Sampled: **05/22/2007 1100**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-006**
Matrix: **Solid**
% Solids: **80.4** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/25/2007 1642	JGR		58254

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5500	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		63	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS06**
Date Sampled: **05/22/2007 1100**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-006**
Matrix: **Solid**
% Solids: **80.4** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1431	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/02/2007 0306	MNM	05/30/2007 1300	58690
2	3050B	6010B	1	06/04/2007 1615	MNM	05/30/2007 1300	58690

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**760**		**12**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.62	mg/kg	1
Arsenic	7440-38-2	6010B	ND		0.62	mg/kg	1
Barium	7440-39-3	6010B	ND		1.6	mg/kg	1
Beryllium	7440-41-7	6010B	ND		0.25	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.12	mg/kg	1
Calcium	7440-70-2	6010B	ND		310	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**1.5**		**0.31**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.6	mg/kg	1
Copper	7440-50-8	6010B	ND		0.31	mg/kg	1
Iron	**7439-89-6**	**6010B**	**300**		**6.2**	**mg/kg**	**2**
Lead	**7439-92-1**	**6010B**	**1.9**		**0.62**	**mg/kg**	**1**
Magnesium	7439-95-4	6010B	ND		310	mg/kg	1
Manganese	**7439-96-5**	**6010B**	**4.8**		**0.93**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.10	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.5	mg/kg	1
Potassium	7440-09-7	6010B	ND		310	mg/kg	1
Selenium	7782-49-2	6010B	ND		0.62	mg/kg	1
Silver	7440-22-4	6010B	ND		0.31	mg/kg	1
Sodium	7440-23-5	6010B	ND		310	mg/kg	1
Thallium	7440-28-0	6010B	ND		3.1	mg/kg	1
Vanadium	7440-62-2	6010B	ND		3.1	mg/kg	1
Zinc	**7440-66-6**	**6010B**	**24**		**3.1**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS07**
Date Sampled: **05/22/2007 1115**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-007**
Matrix: **Solid**
% Solids: **78.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0814	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/28/2007 1541	KLW		58331

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.64	mg/kg	1
TOC		**Walkley-Black**	**12000**		**1000**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS07**
Date Sampled: **05/22/2007 1115**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-007**
Matrix: **Solid**
% Solids: **78.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1435	CMS		58353	6.07

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	**67-64-1**	**8260B**	**78**		**21**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.2	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.2	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.2	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.2	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.2	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.2	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.2	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.2	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.2	ug/kg	1
Styrene	100-42-5	8260B	ND		5.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.2	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.2	ug/kg	1
Toluene	108-88-3	8260B	ND		5.2	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.2	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.2	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.2	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS07**
Date Sampled: **05/22/2007 1115**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-007**
Matrix: **Solid**
% Solids: **78.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1435	CMS		58353	6.07

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		5.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS07**
Date Sampled: **05/22/2007 1115**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-007**
Matrix: **Solid**
% Solids: **78.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1316	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		420	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		420	ug/kg	1
Acetophenone	98-86-2	8270C	ND		420	ug/kg	1
Anthracene	120-12-7	8270C	ND		420	ug/kg	1
Atrazine	1912-24-9	8270C	ND		420	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1000	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		420	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		420	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		420	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		420	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		420	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		420	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		420	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		420	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1000	ug/kg	1
Carbazole	86-74-8	8270C	ND		420	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		420	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		420	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		420	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		420	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		420	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		420	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		420	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		420	ug/kg	1
Chrysene	218-01-9	8270C	ND		420	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		420	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		420	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		420	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		420	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		420	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		420	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		420	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		420	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		420	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		420	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		420	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		420	ug/kg	1
Fluorene	86-73-7	8270C	ND		420	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		420	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		420	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		420	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		420	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE23019-007**
Description: **MMRP06-IS07**
Matrix: **Solid**
Date Sampled: **05/22/2007 1115**
% Solids: **78.5** **05/24/2007 0004**
Date Received: **05/23/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1316	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		420	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		420	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		420	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		850	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		420	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		420	ug/kg	1
Naphthalene	91-20-3	8270C	ND		420	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		420	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		420	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		420	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		420	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		420	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		420	ug/kg	1
Phenol	108-95-2	8270C	ND		420	ug/kg	1
Pyrene	129-00-0	8270C	ND		420	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		420	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		420	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		71	30-117
2-Fluorobiphenyl		77	33-102
2-Fluorophenol		67	28-104
Nitrobenzene-d5		60	22-109
Phenol-d5		69	27-103
Terphenyl-d14		82	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS07**
Date Sampled: **05/22/2007 1115**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-007**
Matrix: **Solid**
% Solids: **78.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/30/2007 2255	NWD	05/26/2007 1615	58264

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		22	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		22	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		22	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		22	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		22	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		22	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		89	50-130
Tetrachloro-m-xylene		86	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS07**
Date Sampled: **05/22/2007 1115**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-007**
Matrix: **Solid**
% Solids: **78.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/02/2007 0327	LH	05/26/2007 1615	58263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.2	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.2	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.2	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.2	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.2	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.2	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.2	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.2	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.2	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.2	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.2	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.2	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.2	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.2	ug/kg	1
Endrin	72-20-8	8081A	ND		2.2	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.2	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.2	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.2	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.2	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.5	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		78	50-130
Tetrachloro-m-xylene		78	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS07**
Date Sampled: **05/22/2007 1115**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-007**
Matrix: **Solid**
% Solids: **78.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 0312	NCM	05/25/2007 2000	58217

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		**8015B**	**22000**		**8500**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		81	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS07**
Date Sampled: **05/22/2007 1115**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-007**
Matrix: **Solid**
% Solids: **78.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/25/2007 1707	JGR		58254

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5400	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		52	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS07**
Date Sampled: **05/22/2007 1115**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-007**
Matrix: **Solid**
% Solids: **78.5** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1433	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/02/2007 0312	MNM	05/30/2007 1300	58690
2	3050B	6010B	1	06/04/2007 1621	MNM	05/30/2007 1300	58690

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**4200**		**13**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.64	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**0.98**		**0.64**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**5.4**		**1.6**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.25	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.13	mg/kg	1
Calcium	7440-70-2	6010B	ND		320	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**4.6**		**0.32**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.6	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.0**		**0.32**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**1200**		**6.4**	**mg/kg**	**2**
Lead	**7439-92-1**	**6010B**	**3.0**		**0.64**	**mg/kg**	**1**
Magnesium	7439-95-4	6010B	ND		320	mg/kg	1
Manganese	**7439-96-5**	**6010B**	**6.3**		**0.96**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.10	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.5	mg/kg	1
Potassium	7440-09-7	6010B	ND		320	mg/kg	1
Selenium	7782-49-2	6010B	ND		0.64	mg/kg	1
Silver	7440-22-4	6010B	ND		0.32	mg/kg	1
Sodium	7440-23-5	6010B	ND		320	mg/kg	1
Thallium	7440-28-0	6010B	ND		3.2	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**5.6**		**3.2**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**14**		**3.2**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS08**
Date Sampled: **05/22/2007 1200**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-008**
Matrix: **Solid**
% Solids: **85.3** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0818	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/28/2007 1541	KLW		58331

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.59	mg/kg	1
TOC		**Walkley-Black**	**1200**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS08**
Date Sampled: **05/22/2007 1200**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-008**
Matrix: **Solid**
% Solids: **85.3** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 2032	CMS		58195	4.59

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	**67-64-1**	**8260B**	**31**		**26**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		6.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.4	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.4	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.4	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.4	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.4	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.4	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.4	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.4	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.4	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.4	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.4	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.4	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.4	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.4	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.4	ug/kg	1
Styrene	100-42-5	8260B	ND		6.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.4	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.4	ug/kg	1
Toluene	108-88-3	8260B	ND		6.4	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.4	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.4	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.4	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.4	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS08**
Date Sampled: **05/22/2007 1200**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-008**
Matrix: **Solid**
% Solids: **85.3** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 2032	CMS		58195	4.59

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		6.4	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	53-142
Bromofluorobenzene		99	47-138
Toluene-d8		95	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS08**
Date Sampled: **05/22/2007 1200**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-008**
Matrix: **Solid**
% Solids: **85.3** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1337	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		390	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		390	ug/kg	1
Acetophenone	98-86-2	8270C	ND		390	ug/kg	1
Anthracene	120-12-7	8270C	ND		390	ug/kg	1
Atrazine	1912-24-9	8270C	ND		390	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		970	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		390	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		390	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		390	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		390	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		390	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		390	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		390	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		390	ug/kg	1
Caprolactam	105-60-2	8270C	ND		970	ug/kg	1
Carbazole	86-74-8	8270C	ND		390	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		390	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		390	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		390	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		390	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		390	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		390	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		390	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		390	ug/kg	1
Chrysene	218-01-9	8270C	ND		390	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		390	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		390	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		390	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		390	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		970	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		390	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		390	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		390	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		390	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		970	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		970	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		390	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		390	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		390	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		390	ug/kg	1
Fluorene	86-73-7	8270C	ND		390	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		390	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		390	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		970	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		390	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		390	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS08**
Date Sampled: **05/22/2007 1200**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-008**
Matrix: **Solid**
% Solids: **85.3** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1337	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		390	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		390	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		390	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		780	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		390	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		390	ug/kg	1
Naphthalene	91-20-3	8270C	ND		390	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		390	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		390	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		390	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		390	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		390	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		970	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		970	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		390	ug/kg	1
Phenol	108-95-2	8270C	ND		390	ug/kg	1
Pyrene	129-00-0	8270C	ND		390	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		390	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		390	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		75	30-117
2-Fluorobiphenyl		48	33-102
2-Fluorophenol		46	28-104
Nitrobenzene-d5		41	22-109
Phenol-d5		48	27-103
Terphenyl-d14		88	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS08**
Date Sampled: **05/22/2007 1200**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-008**
Matrix: **Solid**
% Solids: **85.3** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/30/2007 2307	NWD	05/26/2007 1615	58264

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		78	50-130
Tetrachloro-m-xylene		79	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS08**
Date Sampled: **05/22/2007 1200**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-008**
Matrix: **Solid**
% Solids: **85.3** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/02/2007 0343	LH	05/26/2007 1615	58263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.0	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.0	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.0	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.0	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.0	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.0	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.0	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.0	ug/kg	1
4,4'-DDE	**72-55-9**	**8081A**	**17**		**2.0**	**ug/kg**	**1**
4,4'-DDT	50-29-3	8081A	ND		2.0	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.0	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.0	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.0	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.0	ug/kg	1
Endrin	72-20-8	8081A	ND		2.0	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.0	ug/kg	1
Endrin ketone	**53494-70-5**	**8081A**	**3.8**		**2.0**	**ug/kg**	**1**
Heptachlor	76-44-8	8081A	ND		2.0	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.0	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.8	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		97	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		78	50-130
Tetrachloro-m-xylene		70	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS08**
Date Sampled: **05/22/2007 1200**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-008**
Matrix: **Solid**
% Solids: **85.3** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 0338	NCM	05/25/2007 2000	58217

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		**8015B**	**12000**		**7800**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		87	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS08**
Date Sampled: **05/22/2007 1200**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-008**
Matrix: **Solid**
% Solids: **85.3** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/25/2007 1732	JGR		58254

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		6200	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		64	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS08**
Date Sampled: **05/22/2007 1200**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-008**
Matrix: **Solid**
% Solids: **85.3** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1434	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/02/2007 0318	MNM	05/30/2007 1300	58690
2	3050B	6010B	1	06/04/2007 1627	MNM	05/30/2007 1300	58690

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**6800**		**12**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.59	mg/kg	1
Arsenic	7440-38-2	6010B	ND		0.59	mg/kg	1
Barium	**7440-39-3**	**6010B**	**9.9**		**1.5**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.23	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.12	mg/kg	1
Calcium	**7440-70-2**	**6010B**	**360**		**290**	**mg/kg**	**1**
Chromium	**7440-47-3**	**6010B**	**9.1**		**0.29**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.5	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.3**		**0.29**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**1800**		**5.9**	**mg/kg**	**2**
Lead	**7439-92-1**	**6010B**	**4.0**		**0.59**	**mg/kg**	**1**
Magnesium	7439-95-4	6010B	ND		290	mg/kg	1
Manganese	**7439-96-5**	**6010B**	**11**		**0.88**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.097	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.3	mg/kg	1
Potassium	**7440-09-7**	**6010B**	**340**		**290**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.59	mg/kg	1
Silver	7440-22-4	6010B	ND		0.29	mg/kg	1
Sodium	7440-23-5	6010B	ND		290	mg/kg	1
Thallium	7440-28-0	6010B	ND		2.9	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**7.9**		**2.9**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**32**		**2.9**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS09**
Date Sampled: **05/22/2007 1417**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-009**
Matrix: **Solid**
% Solids: **81.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0819	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/28/2007 1541	KLW		58331

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.61	mg/kg	1
TOC		**Walkley-Black**	**2600**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS09**
Date Sampled: **05/22/2007 1417**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-009**
Matrix: **Solid**
% Solids: **81.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 2056	CMS		58195	1.41

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		86	ug/kg	1
Benzene	71-43-2	8260B	ND		22	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		22	ug/kg	1
Bromoform	75-25-2	8260B	ND		22	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		22	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		43	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		22	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		22	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		22	ug/kg	1
Chloroethane	75-00-3	8260B	ND		22	ug/kg	1
Chloroform	67-66-3	8260B	ND		22	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		22	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		22	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		22	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		22	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		22	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		22	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		22	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		22	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		22	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		22	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		22	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		22	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		22	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		22	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		22	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		22	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		22	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		22	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		43	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		22	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		22	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		22	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		43	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		22	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		22	ug/kg	1
Styrene	100-42-5	8260B	ND		22	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		22	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		22	ug/kg	1
Toluene	108-88-3	8260B	ND		22	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		22	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		22	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		22	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		22	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		22	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		22	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE23019-009**
Description: **MMRP06-IS09**
Matrix: **Solid**
Date Sampled: **05/22/2007 1417**
% Solids: **81.9** **05/24/2007 0004**
Date Received: **05/23/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 2056	CMS		58195	1.41

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		22	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		117	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		101	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS09**
Date Sampled: **05/22/2007 1417**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-009**
Matrix: **Solid**
% Solids: **81.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1359	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		400	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		400	ug/kg	1
Acetophenone	98-86-2	8270C	ND		400	ug/kg	1
Anthracene	120-12-7	8270C	ND		400	ug/kg	1
Atrazine	1912-24-9	8270C	ND		400	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1000	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		400	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		400	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		400	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		400	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		400	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		400	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		400	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		400	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1000	ug/kg	1
Carbazole	86-74-8	8270C	ND		400	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		400	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		400	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		400	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		400	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		400	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		400	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		400	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		400	ug/kg	1
Chrysene	218-01-9	8270C	ND		400	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		400	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		400	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		400	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		400	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		400	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		400	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		400	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		400	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		400	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		400	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		400	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		400	ug/kg	1
Fluorene	86-73-7	8270C	ND		400	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		400	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		400	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		400	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		400	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS09**
Date Sampled: **05/22/2007 1417**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-009**
Matrix: **Solid**
% Solids: **81.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1359	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		400	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		400	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		400	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		820	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		400	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		400	ug/kg	1
Naphthalene	91-20-3	8270C	ND		400	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		400	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		400	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		400	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		400	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		400	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		400	ug/kg	1
Phenol	108-95-2	8270C	ND		400	ug/kg	1
Pyrene	129-00-0	8270C	ND		400	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		400	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		400	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		69	30-117
2-Fluorobiphenyl		54	33-102
2-Fluorophenol		54	28-104
Nitrobenzene-d5		45	22-109
Phenol-d5		60	27-103
Terphenyl-d14		76	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS09**
Date Sampled: **05/22/2007 1417**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-009**
Matrix: **Solid**
% Solids: **81.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/30/2007 2319	NWD	05/26/2007 1615	58264

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		21	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		21	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		21	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		21	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		21	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		21	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		82	50-130
Tetrachloro-m-xylene		57	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS09**
Date Sampled: **05/22/2007 1417**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-009**
Matrix: **Solid**
% Solids: **81.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/02/2007 0359	LH	05/26/2007 1615	58263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.1	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.1	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.1	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.1	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.1	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.1	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.1	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.1	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.1	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.1	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.1	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.1	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.1	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.1	ug/kg	1
Endrin	72-20-8	8081A	ND		2.1	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.1	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.1	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.1	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.1	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.2	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		76	50-130
Tetrachloro-m-xylene		53	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS09**
Date Sampled: **05/22/2007 1417**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-009**
Matrix: **Solid**
% Solids: **81.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 0404	NCM	05/25/2007 2000	58217

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		8200	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		82	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS09**
Date Sampled: **05/22/2007 1417**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-009**
Matrix: **Solid**
% Solids: **81.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/25/2007 1757	JGR		58254

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		3900	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		48	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS09**
Date Sampled: **05/22/2007 1417**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-009**
Matrix: **Solid**
% Solids: **81.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1436	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/02/2007 0336	MNM	05/30/2007 1300	58690
2	3050B	6010B	1	06/04/2007 1633	MNM	05/30/2007 1300	58690

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**22000**		**12**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.61	mg/kg	1
Arsenic	7440-38-2	6010B	ND		0.61	mg/kg	1
Barium	**7440-39-3**	**6010B**	**21**		**1.6**	**mg/kg**	**1**
Beryllium	**7440-41-7**	**6010B**	**0.25**		**0.24**	**mg/kg**	**1**
Cadmium	7440-43-9	6010B	ND		0.12	mg/kg	1
Calcium	**7440-70-2**	**6010B**	**620**		**300**	**mg/kg**	**1**
Chromium	**7440-47-3**	**6010B**	**19**		**0.30**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.6	mg/kg	1
Copper	**7440-50-8**	**6010B**	**2.7**		**0.30**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**4400**		**6.1**	**mg/kg**	**2**
Lead	**7439-92-1**	**6010B**	**6.0**		**0.61**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**720**		**300**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**18**		**0.92**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.10	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**3.9**		**2.4**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**1100**		**300**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.61	mg/kg	1
Silver	7440-22-4	6010B	ND		0.30	mg/kg	1
Sodium	7440-23-5	6010B	ND		300	mg/kg	1
Thallium	7440-28-0	6010B	ND		3.0	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**21**		**3.0**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**27**		**3.0**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS10**
Date Sampled: **05/22/2007 1451**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-010**
Matrix: **Solid**
% Solids: **82.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0820	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/28/2007 1541	KLW		58331

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.60	mg/kg	1
TOC		**Walkley-Black**	**860**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS10**
Date Sampled: **05/22/2007 1451**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-010**
Matrix: **Solid**
% Solids: **82.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 2119	CMS		58195	6.18

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/kg	1
Benzene	71-43-2	8260B	ND		4.9	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.9	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.9	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.9	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.9	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.9	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.9	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.9	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.9	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.9	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.9	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.9	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.8	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.9	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.9	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.9	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.9	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.9	ug/kg	1
Styrene	100-42-5	8260B	ND		4.9	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.9	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.9	ug/kg	1
Toluene	108-88-3	8260B	ND		4.9	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.9	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.9	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.9	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.9	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.9	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS10**
Date Sampled: **05/22/2007 1451**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-010**
Matrix: **Solid**
% Solids: **82.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/24/2007 2119	CMS		58195	6.18

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		4.9	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		110	53-142
Bromofluorobenzene		101	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS10**
Date Sampled: **05/22/2007 1451**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-010**
Matrix: **Solid**
% Solids: **82.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1420	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		400	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		400	ug/kg	1
Acetophenone	98-86-2	8270C	ND		400	ug/kg	1
Anthracene	120-12-7	8270C	ND		400	ug/kg	1
Atrazine	1912-24-9	8270C	ND		400	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1000	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		400	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		400	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		400	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		400	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		400	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		400	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		400	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		400	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1000	ug/kg	1
Carbazole	86-74-8	8270C	ND		400	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		400	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		400	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		400	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		400	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		400	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		400	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		400	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		400	ug/kg	1
Chrysene	218-01-9	8270C	ND		400	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		400	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		400	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		400	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		400	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		400	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		400	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		400	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		400	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		400	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		400	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		400	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		400	ug/kg	1
Fluorene	86-73-7	8270C	ND		400	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		400	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		400	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		400	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		400	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS10**
Date Sampled: **05/22/2007 1451**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-010**
Matrix: **Solid**
% Solids: **82.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1420	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		400	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		400	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		400	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		810	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		400	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		400	ug/kg	1
Naphthalene	91-20-3	8270C	ND		400	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		400	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		400	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		400	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		400	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		400	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		400	ug/kg	1
Phenol	108-95-2	8270C	ND		400	ug/kg	1
Pyrene	129-00-0	8270C	ND		400	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		400	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		400	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		74	30-117
2-Fluorobiphenyl		72	33-102
2-Fluorophenol		78	28-104
Nitrobenzene-d5		67	22-109
Phenol-d5		81	27-103
Terphenyl-d14		90	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS10**
Date Sampled: **05/22/2007 1451**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-010**
Matrix: **Solid**
% Solids: **82.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/30/2007 2331	NWD	05/26/2007 1615	58264

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		84	50-130
Tetrachloro-m-xylene		67	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS10**
Date Sampled: **05/22/2007 1451**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-010**
Matrix: **Solid**
% Solids: **82.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/02/2007 0415	LH	05/26/2007 1615	58263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.0	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.0	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.0	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.0	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.0	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.0	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.0	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.0	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.0	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.0	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.0	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.0	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.0	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.0	ug/kg	1
Endrin	72-20-8	8081A	ND		2.0	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.0	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.0	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.0	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.0	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.1	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		76	50-130
Tetrachloro-m-xylene		64	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS10**
Date Sampled: **05/22/2007 1451**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-010**
Matrix: **Solid**
% Solids: **82.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 0430	NCM	05/25/2007 2000	58217

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		8100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		81	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS10**
Date Sampled: **05/22/2007 1451**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-010**
Matrix: **Solid**
% Solids: **82.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/25/2007 1822	JGR		58254

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		57	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS10**
Date Sampled: **05/22/2007 1451**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-010**
Matrix: **Solid**
% Solids: **82.7** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1437	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/02/2007 0342	MNM	05/30/2007 1300	58690
2	3050B	6010B	1	06/04/2007 1639	MNM	05/30/2007 1300	58690

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**10000**		**12**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.60	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**2.0**		**0.60**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**10**		**1.6**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.24	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.12	mg/kg	1
Calcium	7440-70-2	6010B	ND		300	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**10**		**0.30**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.6	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.7**		**0.30**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**2700**		**6.0**	**mg/kg**	**2**
Lead	**7439-92-1**	**6010B**	**5.0**		**0.60**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**350**		**300**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**9.9**		**0.91**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.10	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.4	mg/kg	1
Potassium	**7440-09-7**	**6010B**	**630**		**300**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.60	mg/kg	1
Silver	7440-22-4	6010B	ND		0.30	mg/kg	1
Sodium	7440-23-5	6010B	ND		300	mg/kg	1
Thallium	7440-28-0	6010B	ND		3.0	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**17**		**3.0**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**9.2**		**3.0**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS11**
Date Sampled: **05/22/2007 1520**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-011**
Matrix: **Solid**
% Solids: **84.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0820	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/29/2007 1857	KLW		58416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.59	mg/kg	1
TOC		Walkley-Black	ND		200	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS11**
Date Sampled: **05/22/2007 1520**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-011**
Matrix: **Solid**
% Solids: **84.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0921	CMS		58496	4.52

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		26	ug/kg	1
Benzene	71-43-2	8260B	ND		6.5	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.5	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.5	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.5	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.5	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.5	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.5	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.5	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.5	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.5	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.5	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.5	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.5	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.5	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.5	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.5	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.5	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.5	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.5	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.5	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.5	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.5	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.5	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.5	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.5	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.5	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.5	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.5	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.5	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.5	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.5	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.5	ug/kg	1
Styrene	100-42-5	8260B	ND		6.5	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.5	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.5	ug/kg	1
Toluene	108-88-3	8260B	ND		6.5	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.5	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.5	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.5	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.5	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.5	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.5	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS11**
Date Sampled: **05/22/2007 1520**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-011**
Matrix: **Solid**
% Solids: **84.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0921	CMS		58496	4.52

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		6.5	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.5	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	53-142
Bromofluorobenzene		106	47-138
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS11**
Date Sampled: **05/22/2007 1520**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-011**
Matrix: **Solid**
% Solids: **84.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1442	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		390	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		390	ug/kg	1
Acetophenone	98-86-2	8270C	ND		390	ug/kg	1
Anthracene	120-12-7	8270C	ND		390	ug/kg	1
Atrazine	1912-24-9	8270C	ND		390	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		980	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		390	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		390	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		390	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		390	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		390	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		390	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		390	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		390	ug/kg	1
Caprolactam	105-60-2	8270C	ND		980	ug/kg	1
Carbazole	86-74-8	8270C	ND		390	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		390	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		390	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		390	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		390	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		390	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		390	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		390	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		390	ug/kg	1
Chrysene	218-01-9	8270C	ND		390	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		390	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		390	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		390	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		390	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		980	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		390	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		390	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		390	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		390	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		980	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		980	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		390	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		390	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		390	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		390	ug/kg	1
Fluorene	86-73-7	8270C	ND		390	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		390	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		390	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		980	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		390	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		390	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS11**
Date Sampled: **05/22/2007 1520**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-011**
Matrix: **Solid**
% Solids: **84.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/25/2007 1442	DC	05/24/2007 1820	58159

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		390	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		390	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		390	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		790	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		390	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		390	ug/kg	1
Naphthalene	91-20-3	8270C	ND		390	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		390	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		390	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		390	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		390	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		390	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		980	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		980	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		390	ug/kg	1
Phenol	108-95-2	8270C	ND		390	ug/kg	1
Pyrene	129-00-0	8270C	ND		390	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		390	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		390	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		78	30-117
2-Fluorobiphenyl		72	33-102
2-Fluorophenol		79	28-104
Nitrobenzene-d5		67	22-109
Phenol-d5		80	27-103
Terphenyl-d14		90	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS11**
Date Sampled: **05/22/2007 1520**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-011**
Matrix: **Solid**
% Solids: **84.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/30/2007 2343	NWD	05/26/2007 1615	58264

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		96	50-130
Tetrachloro-m-xylene		86	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS11**
Date Sampled: **05/22/2007 1520**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-011**
Matrix: **Solid**
% Solids: **84.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/02/2007 0431	LH	05/26/2007 1615	58263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.0	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.0	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.0	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.0	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.0	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.0	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.0	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.0	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.0	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.0	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.0	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.0	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.0	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.0	ug/kg	1
Endrin	72-20-8	8081A	ND		2.0	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.0	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.0	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.0	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.0	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.9	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		98	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		90	50-130
Tetrachloro-m-xylene		83	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS11**
Date Sampled: **05/22/2007 1520**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-011**
Matrix: **Solid**
% Solids: **84.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 0456	NCM	05/25/2007 2000	58217

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		7900	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		72	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS11**
Date Sampled: **05/22/2007 1520**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-011**
Matrix: **Solid**
% Solids: **84.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/29/2007 2003	JGR		58468

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5600	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		70	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS11**
Date Sampled: **05/22/2007 1520**
Date Received: **05/23/2007**

Laboratory ID: **IE23019-011**
Matrix: **Solid**
% Solids: **84.9** **05/24/2007 0004**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1438	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/02/2007 0348	MNM	05/30/2007 1300	58690
2	3050B	6010B	1	06/04/2007 1645	MNM	05/30/2007 1300	58690

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**19000**		**12**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.59	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**3.6**		**0.59**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**20**		**1.5**	**mg/kg**	**1**
Beryllium	**7440-41-7**	**6010B**	**0.25**		**0.24**	**mg/kg**	**1**
Cadmium	7440-43-9	6010B	ND		0.12	mg/kg	1
Calcium	7440-70-2	6010B	ND		290	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**23**		**0.29**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.5	mg/kg	1
Copper	**7440-50-8**	**6010B**	**3.1**		**0.29**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**6500**		**5.9**	**mg/kg**	**2**
Lead	**7439-92-1**	**6010B**	**6.0**		**0.59**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**670**		**290**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**12**		**0.88**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.098	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**3.0**		**2.4**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**1000**		**290**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.59	mg/kg	1
Silver	7440-22-4	6010B	ND		0.29	mg/kg	1
Sodium	7440-23-5	6010B	ND		290	mg/kg	1
Thallium	7440-28-0	6010B	ND		2.9	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**30**		**2.9**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**12**		**2.9**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

QC Summary

Inorganic non-metals - MB

Sample ID: IQ58331-001
Batch: 58331
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TOC	ND		1	200	mg/kg	05/28/2007 1541

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCS

Sample ID: IQ58331-002
Batch: 58331
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TOC	1000	1000		1	106	80-120	05/28/2007 1541

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCSD

Sample ID: IQ58331-003 **Matrix:** Solid
Batch: 58331
Analytical Method: Walkley-Black

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TOC	1000	1000		1	106	0.0	80-120	20	05/28/2007 1541

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MS

Sample ID: IE23019-001MS
Batch: 58331
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TOC	1300	1000	2800	N	1	149	70-130	05/28/2007 1541

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MSD

Sample ID: IE23019-001MD
Batch: 58331
Analytical Method: Walkley-Black
Matrix: Solid

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TOC	1300	990	2700	N	1	146	1.7	70-130	20	05/28/2007 1541

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MB

Sample ID: IQ58411-001
Batch: 58411
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 930

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Cyanide - Total	ND		1	0.50	mg/kg	06/01/2007 0758

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCS

Sample ID: IQ58411-002
Batch: 58411
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 930

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Cyanide - Total	5.0	5.1		1	103	90-110	06/01/2007 0759

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCSD

Sample ID: IQ58411-003
Batch: 58411
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 930

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Cyanide - Total	5.0	5.1		1	103	0.0	90-110	20	06/01/2007 0800

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MS

Sample ID: IE23019-002MS
Batch: 58411
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 930

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Cyanide - Total	ND	6.3	6.2		1	98	70-130	06/01/2007 0808

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MS

Sample ID: IE23019-003MS
Batch: 58411
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 930

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Cyanide - Total	ND	5.3	5.2		1	99	70-130	06/01/2007 0810

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MSD

Sample ID: IE23019-002MD
Batch: 58411
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 930

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Cyanide - Total	ND	6.3	6.0		1	96	3.1	70-130	20	06/01/2007 0808

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MSD

Sample ID: IE23019-003MD
Batch: 58411
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 930

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Cyanide - Total	ND	5.3	5.2		1	98	0.81	70-130	20	06/01/2007 0811

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - Duplicate

Sample ID: IE23019-001DU
Batch: 58411
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 930

Parameter	Sample Amount (mg/kg)	Result (mg/kg)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Cyanide - Total	ND	ND		1	0.0	20	06/01/2007 0803

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MB

Sample ID: IQ58416-001
Batch: 58416
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TOC	ND		1	200	mg/kg	05/29/2007 1857

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCS

Sample ID: IQ58416-002
Batch: 58416
Analytical Method: Walkley-Black
Matrix: Solid

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TOC	1000	1000		1	106	80-120	05/29/2007 1857

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCSD

Sample ID: IQ58416-003 **Matrix:** Solid
Batch: 58416
Analytical Method: Walkley-Black

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TOC	1000	1000		1	102	3.6	80-120	20	05/29/2007 1857

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58195-001
Batch: 58195
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/kg	05/24/2007 1325
Benzene	ND		1	5.0	ug/kg	05/24/2007 1325
Bromodichloromethane	ND		1	5.0	ug/kg	05/24/2007 1325
Bromoform	ND		1	5.0	ug/kg	05/24/2007 1325
Bromomethane (Methyl bromide)	ND		1	5.0	ug/kg	05/24/2007 1325
2-Butanone (MEK)	ND		1	10	ug/kg	05/24/2007 1325
Carbon disulfide	ND		1	5.0	ug/kg	05/24/2007 1325
Carbon tetrachloride	ND		1	5.0	ug/kg	05/24/2007 1325
Chlorobenzene	ND		1	5.0	ug/kg	05/24/2007 1325
Chloroethane	ND		1	5.0	ug/kg	05/24/2007 1325
Chloroform	ND		1	5.0	ug/kg	05/24/2007 1325
Chloromethane (Methyl chloride)	ND		1	5.0	ug/kg	05/24/2007 1325
Cyclohexane	ND		1	5.0	ug/kg	05/24/2007 1325
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	ug/kg	05/24/2007 1325
Dibromochloromethane	ND		1	5.0	ug/kg	05/24/2007 1325
1,2-Dibromoethane (EDB)	ND		1	5.0	ug/kg	05/24/2007 1325
1,4-Dichlorobenzene	ND		1	5.0	ug/kg	05/24/2007 1325
1,3-Dichlorobenzene	ND		1	5.0	ug/kg	05/24/2007 1325
1,2-Dichlorobenzene	ND		1	5.0	ug/kg	05/24/2007 1325
Dichlorodifluoromethane	ND		1	5.0	ug/kg	05/24/2007 1325
1,2-Dichloroethane	ND		1	5.0	ug/kg	05/24/2007 1325
1,1-Dichloroethane	ND		1	5.0	ug/kg	05/24/2007 1325
trans-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/24/2007 1325
cis-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/24/2007 1325
1,1-Dichloroethene	ND		1	5.0	ug/kg	05/24/2007 1325
1,2-Dichloropropane	ND		1	5.0	ug/kg	05/24/2007 1325
trans-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/24/2007 1325
cis-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/24/2007 1325
Ethylbenzene	ND		1	5.0	ug/kg	05/24/2007 1325
2-Hexanone	ND		1	10	ug/kg	05/24/2007 1325
Isopropylbenzene	ND		1	5.0	ug/kg	05/24/2007 1325
Methyl acetate	ND		1	5.0	ug/kg	05/24/2007 1325
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	05/24/2007 1325
4-Methyl-2-pentanone	ND		1	10	ug/kg	05/24/2007 1325
Methylcyclohexane	ND		1	5.0	ug/kg	05/24/2007 1325
Methylene chloride	ND		1	5.0	ug/kg	05/24/2007 1325
Styrene	ND		1	5.0	ug/kg	05/24/2007 1325
1,1,2,2-Tetrachloroethane	ND		1	5.0	ug/kg	05/24/2007 1325
Tetrachloroethene	ND		1	5.0	ug/kg	05/24/2007 1325
Toluene	ND		1	5.0	ug/kg	05/24/2007 1325
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	ug/kg	05/24/2007 1325
1,2,4-Trichlorobenzene	ND		1	5.0	ug/kg	05/24/2007 1325
1,1,2-Trichloroethane	ND		1	5.0	ug/kg	05/24/2007 1325
1,1,1-Trichloroethane	ND		1	5.0	ug/kg	05/24/2007 1325
Trichloroethene	ND		1	5.0	ug/kg	05/24/2007 1325
Trichlorofluoromethane	ND		1	5.0	ug/kg	05/24/2007 1325

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58195-001
Batch: 58195
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Vinyl chloride	ND		1	5.0	ug/kg	05/24/2007 1325
Xylenes (total)	ND		1	5.0	ug/kg	05/24/2007 1325

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58195-002
Batch: 58195
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	62		1	62	42-149	05/24/2007 1129
Benzene	50	41		1	81	69-123	05/24/2007 1129
Bromodichloromethane	50	41		1	82	69-121	05/24/2007 1129
Bromoform	50	34		1	68	61-119	05/24/2007 1129
Bromomethane (Methyl bromide)	50	39		1	78	35-144	05/24/2007 1129
2-Butanone (MEK)	100	66		1	66	57-148	05/24/2007 1129
Carbon disulfide	50	38		1	76	58-122	05/24/2007 1129
Carbon tetrachloride	50	40		1	80	58-136	05/24/2007 1129
Chlorobenzene	50	39		1	78	59-129	05/24/2007 1129
Chloroethane	50	38		1	76	50-132	05/24/2007 1129
Chloroform	50	43		1	85	71-125	05/24/2007 1129
Chloromethane (Methyl chloride)	50	39		1	79	34-134	05/24/2007 1129
Cyclohexane	50	36		1	72	53-139	05/24/2007 1129
1,2-Dibromo-3-chloropropane (DBCP)	50	31		1	62	55-125	05/24/2007 1129
Dibromochloromethane	50	37		1	74	66-119	05/24/2007 1129
1,2-Dibromoethane (EDB)	50	38		1	76	74-124	05/24/2007 1129
1,4-Dichlorobenzene	50	36		1	72	52-133	05/24/2007 1129
1,3-Dichlorobenzene	50	36		1	72	51-134	05/24/2007 1129
1,2-Dichlorobenzene	50	36		1	72	57-131	05/24/2007 1129
Dichlorodifluoromethane	50	33		1	66	10-157	05/24/2007 1129
1,2-Dichloroethane	50	43		1	86	67-129	05/24/2007 1129
1,1-Dichloroethane	50	43		1	86	71-127	05/24/2007 1129
trans-1,2-Dichloroethene	50	42		1	83	68-131	05/24/2007 1129
cis-1,2-Dichloroethene	50	41		1	81	70-122	05/24/2007 1129
1,1-Dichloroethene	50	43		1	85	69-138	05/24/2007 1129
1,2-Dichloropropane	50	42		1	84	72-124	05/24/2007 1129
trans-1,3-Dichloropropene	50	41		1	82	70-124	05/24/2007 1129
cis-1,3-Dichloropropene	50	41		1	83	70-126	05/24/2007 1129
Ethylbenzene	50	37		1	74	59-128	05/24/2007 1129
2-Hexanone	100	64		1	64	54-137	05/24/2007 1129
Isopropylbenzene	50	35		1	70	50-136	05/24/2007 1129
Methyl acetate	50	34		1	69	59-137	05/24/2007 1129
Methyl tertiary butyl ether (MTBE)	50	40		1	79	72-122	05/24/2007 1129
4-Methyl-2-pentanone	100	69		1	69	60-134	05/24/2007 1129
Methylcyclohexane	50	30		1	61	41-144	05/24/2007 1129
Methylene chloride	50	45		1	90	77-129	05/24/2007 1129
Styrene	50	38		1	76	54-136	05/24/2007 1129
1,1,2,2-Tetrachloroethane	50	36		1	71	69-132	05/24/2007 1129
Tetrachloroethene	50	35		1	70	50-115	05/24/2007 1129
Toluene	50	39		1	78	61-129	05/24/2007 1129
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	35		1	70	49-136	05/24/2007 1129
1,2,4-Trichlorobenzene	50	32		1	64	34-145	05/24/2007 1129
1,1,2-Trichloroethane	50	39		1	77	55-128	05/24/2007 1129
1,1,1-Trichloroethane	50	41		1	82	63-128	05/24/2007 1129
Trichloroethene	50	39		1	78	62-126	05/24/2007 1129
Trichlorofluoromethane	50	40		1	81	45-138	05/24/2007 1129

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58195-002
Batch: 58195
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl chloride	50	38		1	76	42-132	05/24/2007 1129
Xylenes (total)	100	74		1	74	58-128	05/24/2007 1129

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	47-138
1,2-Dichloroethane-d4		97	53-142
Toluene-d8		101	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58195-003
Batch: 58195
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	57		1	57	9.5	42-149	20	05/24/2007 1152
Benzene	50	40		1	79	2.7	69-123	20	05/24/2007 1152
Bromodichloromethane	50	40		1	80	2.7	69-121	20	05/24/2007 1152
Bromoform	50	33		1	66	2.6	61-119	20	05/24/2007 1152
Bromomethane (Methyl bromide)	50	37		1	75	4.6	35-144	20	05/24/2007 1152
2-Butanone (MEK)	100	61		1	61	8.4	57-148	20	05/24/2007 1152
Carbon disulfide	50	37		1	74	3.2	58-122	20	05/24/2007 1152
Carbon tetrachloride	50	40		1	79	1.2	58-136	20	05/24/2007 1152
Chlorobenzene	50	38		1	76	2.4	59-129	20	05/24/2007 1152
Chloroethane	50	38		1	77	0.82	50-132	20	05/24/2007 1152
Chloroform	50	42		1	85	1.0	71-125	20	05/24/2007 1152
Chloromethane (Methyl chloride)	50	38		1	76	4.1	34-134	20	05/24/2007 1152
Cyclohexane	50	34		1	69	4.5	53-139	20	05/24/2007 1152
1,2-Dibromo-3-chloropropane (DBCP)	50	29		1	58	6.1	55-125	20	05/24/2007 1152
Dibromochloromethane	50	36		1	73	1.5	66-119	20	05/24/2007 1152
1,2-Dibromoethane (EDB)	50	37		1	74	2.9	74-124	20	05/24/2007 1152
1,4-Dichlorobenzene	50	34		1	68	6.0	52-133	20	05/24/2007 1152
1,3-Dichlorobenzene	50	34		1	68	6.0	51-134	20	05/24/2007 1152
1,2-Dichlorobenzene	50	35		1	70	3.2	57-131	20	05/24/2007 1152
Dichlorodifluoromethane	50	31		1	63	4.7	10-157	20	05/24/2007 1152
1,2-Dichloroethane	50	42		1	84	2.9	67-129	20	05/24/2007 1152
1,1-Dichloroethane	50	41		1	83	3.6	71-127	20	05/24/2007 1152
trans-1,2-Dichloroethene	50	40		1	81	2.5	68-131	20	05/24/2007 1152
cis-1,2-Dichloroethene	50	40		1	80	2.2	70-122	20	05/24/2007 1152
1,1-Dichloroethene	50	41		1	82	4.4	69-138	20	05/24/2007 1152
1,2-Dichloropropane	50	41		1	81	2.9	72-124	20	05/24/2007 1152
trans-1,3-Dichloropropene	50	39		1	78	4.4	70-124	20	05/24/2007 1152
cis-1,3-Dichloropropene	50	40		1	81	2.4	70-126	20	05/24/2007 1152
Ethylbenzene	50	35		1	70	6.0	59-128	20	05/24/2007 1152
2-Hexanone	100	60		1	60	7.8	54-137	20	05/24/2007 1152
Isopropylbenzene	50	33		1	66	5.0	50-136	20	05/24/2007 1152
Methyl acetate	50	32		1	63	8.5	59-137	20	05/24/2007 1152
Methyl tertiary butyl ether (MTBE)	50	38		1	77	3.2	72-122	20	05/24/2007 1152
4-Methyl-2-pentanone	100	64		1	64	7.1	60-134	20	05/24/2007 1152
Methylcyclohexane	50	29		1	58	4.4	41-144	20	05/24/2007 1152
Methylene chloride	50	43		1	86	3.6	77-129	20	05/24/2007 1152
Styrene	50	37		1	73	3.5	54-136	20	05/24/2007 1152
1,1,2,2-Tetrachloroethane	50	34	N	1	68	4.5	69-132	20	05/24/2007 1152
Tetrachloroethene	50	34		1	68	4.1	50-115	20	05/24/2007 1152
Toluene	50	38		1	76	3.4	61-129	20	05/24/2007 1152
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	34		1	68	3.1	49-136	20	05/24/2007 1152
1,2,4-Trichlorobenzene	50	29		1	59	8.6	34-145	20	05/24/2007 1152
1,1,2-Trichloroethane	50	37		1	75	3.2	55-128	20	05/24/2007 1152
1,1,1-Trichloroethane	50	40		1	79	3.7	63-128	20	05/24/2007 1152
Trichloroethene	50	38		1	76	3.3	62-126	20	05/24/2007 1152
Trichlorofluoromethane	50	38		1	77	5.0	45-138	20	05/24/2007 1152

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58195-003
Batch: 58195
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Vinyl chloride	50	36		1	73	3.5	42-132	20	05/24/2007 1152
Xylenes (total)	100	71		1	71	4.5	58-128	20	05/24/2007 1152

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	47-138
1,2-Dichloroethane-d4		96	53-142
Toluene-d8		101	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58353-001
Batch: 58353
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/kg	05/28/2007 1324
Benzene	ND		1	5.0	ug/kg	05/28/2007 1324
Bromodichloromethane	ND		1	5.0	ug/kg	05/28/2007 1324
Bromoform	ND		1	5.0	ug/kg	05/28/2007 1324
Bromomethane (Methyl bromide)	ND		1	5.0	ug/kg	05/28/2007 1324
2-Butanone (MEK)	ND		1	10	ug/kg	05/28/2007 1324
Carbon disulfide	ND		1	5.0	ug/kg	05/28/2007 1324
Carbon tetrachloride	ND		1	5.0	ug/kg	05/28/2007 1324
Chlorobenzene	ND		1	5.0	ug/kg	05/28/2007 1324
Chloroethane	ND		1	5.0	ug/kg	05/28/2007 1324
Chloroform	ND		1	5.0	ug/kg	05/28/2007 1324
Chloromethane (Methyl chloride)	ND		1	5.0	ug/kg	05/28/2007 1324
Cyclohexane	ND		1	5.0	ug/kg	05/28/2007 1324
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	ug/kg	05/28/2007 1324
Dibromochloromethane	ND		1	5.0	ug/kg	05/28/2007 1324
1,2-Dibromoethane (EDB)	ND		1	5.0	ug/kg	05/28/2007 1324
1,3-Dichlorobenzene	ND		1	5.0	ug/kg	05/28/2007 1324
1,2-Dichlorobenzene	ND		1	5.0	ug/kg	05/28/2007 1324
1,4-Dichlorobenzene	ND		1	5.0	ug/kg	05/28/2007 1324
Dichlorodifluoromethane	ND		1	5.0	ug/kg	05/28/2007 1324
1,2-Dichloroethane	ND		1	5.0	ug/kg	05/28/2007 1324
1,1-Dichloroethane	ND		1	5.0	ug/kg	05/28/2007 1324
trans-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/28/2007 1324
cis-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/28/2007 1324
1,1-Dichloroethene	ND		1	5.0	ug/kg	05/28/2007 1324
1,2-Dichloropropane	ND		1	5.0	ug/kg	05/28/2007 1324
trans-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/28/2007 1324
cis-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/28/2007 1324
Ethylbenzene	ND		1	5.0	ug/kg	05/28/2007 1324
2-Hexanone	ND		1	10	ug/kg	05/28/2007 1324
Isopropylbenzene	ND		1	5.0	ug/kg	05/28/2007 1324
Methyl acetate	ND		1	5.0	ug/kg	05/28/2007 1324
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	05/28/2007 1324
4-Methyl-2-pentanone	ND		1	10	ug/kg	05/28/2007 1324
Methylcyclohexane	ND		1	5.0	ug/kg	05/28/2007 1324
Methylene chloride	ND		1	5.0	ug/kg	05/28/2007 1324
Styrene	ND		1	5.0	ug/kg	05/28/2007 1324
1,1,2,2-Tetrachloroethane	ND		1	5.0	ug/kg	05/28/2007 1324
Tetrachloroethene	ND		1	5.0	ug/kg	05/28/2007 1324
Toluene	ND		1	5.0	ug/kg	05/28/2007 1324
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	ug/kg	05/28/2007 1324
1,2,4-Trichlorobenzene	ND		1	5.0	ug/kg	05/28/2007 1324
1,1,2-Trichloroethane	ND		1	5.0	ug/kg	05/28/2007 1324
1,1,1-Trichloroethane	ND		1	5.0	ug/kg	05/28/2007 1324
Trichloroethene	ND		1	5.0	ug/kg	05/28/2007 1324
Trichlorofluoromethane	ND		1	5.0	ug/kg	05/28/2007 1324

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58353-001
Batch: 58353
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Vinyl chloride	ND		1	5.0	ug/kg	05/28/2007 1324
Xylenes (total)	ND		1	5.0	ug/kg	05/28/2007 1324

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	47-138
1,2-Dichloroethane-d4		109	53-142
Toluene-d8		104	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58353-002
Batch: 58353
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	112	42-149	05/28/2007 1214
Benzene	50	54		1	109	69-123	05/28/2007 1214
Bromodichloromethane	50	52		1	105	69-121	05/28/2007 1214
Bromoform	50	43		1	86	61-119	05/28/2007 1214
Bromomethane (Methyl bromide)	100	100		1	105	35-144	05/28/2007 1214
2-Butanone (MEK)	100	110		1	111	57-148	05/28/2007 1214
Carbon disulfide	50	54		1	109	58-122	05/28/2007 1214
Carbon tetrachloride	50	56		1	112	58-136	05/28/2007 1214
Chlorobenzene	50	53		1	106	59-129	05/28/2007 1214
Chloroethane	100	110		1	108	50-132	05/28/2007 1214
Chloroform	50	58		1	116	71-125	05/28/2007 1214
Chloromethane (Methyl chloride)	100	110		1	109	34-134	05/28/2007 1214
Cyclohexane	50	63		1	125	53-139	05/28/2007 1214
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	101	55-125	05/28/2007 1214
Dibromochloromethane	50	46		1	93	66-119	05/28/2007 1214
1,2-Dibromoethane (EDB)	50	54		1	108	74-124	05/28/2007 1214
1,3-Dichlorobenzene	50	54		1	109	51-134	05/28/2007 1214
1,2-Dichlorobenzene	50	55		1	110	57-131	05/28/2007 1214
1,4-Dichlorobenzene	50	55		1	110	52-133	05/28/2007 1214
Dichlorodifluoromethane	100	120		1	120	10-157	05/28/2007 1214
1,2-Dichloroethane	50	60		1	120	67-129	05/28/2007 1214
1,1-Dichloroethane	50	58		1	116	71-127	05/28/2007 1214
trans-1,2-Dichloroethene	50	57		1	114	68-131	05/28/2007 1214
cis-1,2-Dichloroethene	50	54		1	108	70-122	05/28/2007 1214
1,1-Dichloroethene	50	62		1	123	69-138	05/28/2007 1214
1,2-Dichloropropane	50	55		1	111	72-124	05/28/2007 1214
trans-1,3-Dichloropropene	50	54		1	109	70-124	05/28/2007 1214
cis-1,3-Dichloropropene	50	55		1	110	70-126	05/28/2007 1214
Ethylbenzene	50	52		1	105	59-128	05/28/2007 1214
2-Hexanone	100	110		1	108	54-137	05/28/2007 1214
Isopropylbenzene	50	55		1	110	50-136	05/28/2007 1214
Methyl acetate	50	57		1	113	59-137	05/28/2007 1214
Methyl tertiary butyl ether (MTBE)	50	55		1	110	72-122	05/28/2007 1214
4-Methyl-2-pentanone	100	110		1	111	60-134	05/28/2007 1214
Methylcyclohexane	50	56		1	113	41-144	05/28/2007 1214
Methylene chloride	50	60		1	120	77-129	05/28/2007 1214
Styrene	50	53		1	107	54-136	05/28/2007 1214
1,1,2,2-Tetrachloroethane	50	54		1	108	69-132	05/28/2007 1214
Tetrachloroethene	50	54		1	107	50-115	05/28/2007 1214
Toluene	50	54		1	107	61-129	05/28/2007 1214
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	56		1	113	49-136	05/28/2007 1214
1,2,4-Trichlorobenzene	50	58		1	115	34-145	05/28/2007 1214
1,1,2-Trichloroethane	50	53		1	106	55-128	05/28/2007 1214
1,1,1-Trichloroethane	50	58		1	115	63-128	05/28/2007 1214
Trichloroethene	50	54		1	108	62-126	05/28/2007 1214
Trichlorofluoromethane	100	120		1	121	45-138	05/28/2007 1214

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58353-002
Batch: 58353
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl chloride	100	110		1	109	42-132	05/28/2007 1214
Xylenes (total)	100	100		1	105	58-128	05/28/2007 1214

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		112	47-138
1,2-Dichloroethane-d4		118	53-142
Toluene-d8		111	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58353-003
Batch: 58353
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	109	2.2	42-149	20	05/28/2007 1237
Benzene	50	55		1	109	0.39	69-123	20	05/28/2007 1237
Bromodichloromethane	50	54		1	109	3.3	69-121	20	05/28/2007 1237
Bromoform	50	46		1	92	6.4	61-119	20	05/28/2007 1237
Bromomethane (Methyl bromide)	100	100		1	104	1.2	35-144	20	05/28/2007 1237
2-Butanone (MEK)	100	110		1	109	1.9	57-148	20	05/28/2007 1237
Carbon disulfide	50	53		1	106	2.4	58-122	20	05/28/2007 1237
Carbon tetrachloride	50	56		1	112	0.030	58-136	20	05/28/2007 1237
Chlorobenzene	50	54		1	108	1.4	59-129	20	05/28/2007 1237
Chloroethane	100	110		1	107	0.81	50-132	20	05/28/2007 1237
Chloroform	50	57		1	115	0.49	71-125	20	05/28/2007 1237
Chloromethane (Methyl chloride)	100	110		1	108	0.90	34-134	20	05/28/2007 1237
Cyclohexane	50	59		1	118	5.9	53-139	20	05/28/2007 1237
1,2-Dibromo-3-chloropropane (DBCP)	50	53		1	105	4.4	55-125	20	05/28/2007 1237
Dibromochloromethane	50	50		1	100	7.1	66-119	20	05/28/2007 1237
1,2-Dibromoethane (EDB)	50	55		1	111	2.7	74-124	20	05/28/2007 1237
1,3-Dichlorobenzene	50	55		1	109	0.23	51-134	20	05/28/2007 1237
1,2-Dichlorobenzene	50	56		1	111	0.94	57-131	20	05/28/2007 1237
1,4-Dichlorobenzene	50	55		1	109	0.40	52-133	20	05/28/2007 1237
Dichlorodifluoromethane	100	120		1	116	3.9	10-157	20	05/28/2007 1237
1,2-Dichloroethane	50	59		1	119	0.70	67-129	20	05/28/2007 1237
1,1-Dichloroethane	50	57		1	115	1.1	71-127	20	05/28/2007 1237
trans-1,2-Dichloroethene	50	56		1	113	1.2	68-131	20	05/28/2007 1237
cis-1,2-Dichloroethene	50	54		1	108	0.055	70-122	20	05/28/2007 1237
1,1-Dichloroethene	50	60		1	121	1.6	69-138	20	05/28/2007 1237
1,2-Dichloropropane	50	56		1	112	0.96	72-124	20	05/28/2007 1237
trans-1,3-Dichloropropene	50	56		1	112	2.6	70-124	20	05/28/2007 1237
cis-1,3-Dichloropropene	50	55		1	110	0.086	70-126	20	05/28/2007 1237
Ethylbenzene	50	53		1	107	2.0	59-128	20	05/28/2007 1237
2-Hexanone	100	110		1	113	4.7	54-137	20	05/28/2007 1237
Isopropylbenzene	50	55		1	110	0.013	50-136	20	05/28/2007 1237
Methyl acetate	50	55		1	110	2.7	59-137	20	05/28/2007 1237
Methyl tertiary butyl ether (MTBE)	50	54		1	109	1.2	72-122	20	05/28/2007 1237
4-Methyl-2-pentanone	100	110		1	113	2.0	60-134	20	05/28/2007 1237
Methylcyclohexane	50	54		1	108	4.0	41-144	20	05/28/2007 1237
Methylene chloride	50	59		1	118	1.3	77-129	20	05/28/2007 1237
Styrene	50	53		1	107	0.0037	54-136	20	05/28/2007 1237
1,1,2,2-Tetrachloroethane	50	58		1	116	7.1	69-132	20	05/28/2007 1237
Tetrachloroethene	50	52		1	105	2.1	50-115	20	05/28/2007 1237
Toluene	50	54		1	107	0.14	61-129	20	05/28/2007 1237
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	54		1	108	4.2	49-136	20	05/28/2007 1237
1,2,4-Trichlorobenzene	50	54		1	108	6.5	34-145	20	05/28/2007 1237
1,1,2-Trichloroethane	50	54		1	109	2.8	55-128	20	05/28/2007 1237
1,1,1-Trichloroethane	50	57		1	115	0.28	63-128	20	05/28/2007 1237
Trichloroethene	50	54		1	108	0.40	62-126	20	05/28/2007 1237
Trichlorofluoromethane	100	120		1	117	3.0	45-138	20	05/28/2007 1237

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58353-003
Batch: 58353
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Vinyl chloride	100	110		1	107	1.9	42-132	20	05/28/2007 1237
Xylenes (total)	100	110		1	106	0.95	58-128	20	05/28/2007 1237

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		109	47-138
1,2-Dichloroethane-d4		106	53-142
Toluene-d8		104	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58496-001
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/kg	05/30/2007 0858
Benzene	ND		1	5.0	ug/kg	05/30/2007 0858
Bromodichloromethane	ND		1	5.0	ug/kg	05/30/2007 0858
Bromoform	ND		1	5.0	ug/kg	05/30/2007 0858
Bromomethane (Methyl bromide)	ND		1	5.0	ug/kg	05/30/2007 0858
2-Butanone (MEK)	ND		1	10	ug/kg	05/30/2007 0858
Carbon disulfide	ND		1	5.0	ug/kg	05/30/2007 0858
Carbon tetrachloride	ND		1	5.0	ug/kg	05/30/2007 0858
Chlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
Chloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
Chloroform	ND		1	5.0	ug/kg	05/30/2007 0858
Chloromethane (Methyl chloride)	ND		1	5.0	ug/kg	05/30/2007 0858
Cyclohexane	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	ug/kg	05/30/2007 0858
Dibromochloromethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dibromoethane (EDB)	ND		1	5.0	ug/kg	05/30/2007 0858
1,4-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
1,3-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
Dichlorodifluoromethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dichloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,1-Dichloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,1-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
cis-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
trans-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dichloropropane	ND		1	5.0	ug/kg	05/30/2007 0858
cis-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/30/2007 0858
trans-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/30/2007 0858
Ethylbenzene	ND		1	5.0	ug/kg	05/30/2007 0858
2-Hexanone	ND		1	10	ug/kg	05/30/2007 0858
Isopropylbenzene	ND		1	5.0	ug/kg	05/30/2007 0858
Methyl acetate	ND		1	5.0	ug/kg	05/30/2007 0858
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	05/30/2007 0858
4-Methyl-2-pentanone	ND		1	10	ug/kg	05/30/2007 0858
Methylcyclohexane	ND		1	5.0	ug/kg	05/30/2007 0858
Methylene chloride	ND		1	5.0	ug/kg	05/30/2007 0858
Styrene	ND		1	5.0	ug/kg	05/30/2007 0858
1,1,2,2-Tetrachloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
Tetrachloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
Toluene	ND		1	5.0	ug/kg	05/30/2007 0858
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,2,4-Trichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
1,1,2-Trichloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,1,1-Trichloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
Trichloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
Trichlorofluoromethane	ND		1	5.0	ug/kg	05/30/2007 0858

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58496-001
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Vinyl chloride	ND		1	5.0	ug/kg	05/30/2007 0858
Xylenes (total)	ND		1	5.0	ug/kg	05/30/2007 0858

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	47-138
1,2-Dichloroethane-d4		101	53-142
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58496-002
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	106	42-149	05/30/2007 0812
Benzene	50	50		1	100	69-123	05/30/2007 0812
Bromodichloromethane	50	52		1	104	69-121	05/30/2007 0812
Bromoform	50	46		1	93	61-119	05/30/2007 0812
Bromomethane (Methyl bromide)	50	46		1	93	35-144	05/30/2007 0812
2-Butanone (MEK)	100	100		1	105	57-148	05/30/2007 0812
Carbon disulfide	50	48		1	95	58-122	05/30/2007 0812
Carbon tetrachloride	50	55		1	110	58-136	05/30/2007 0812
Chlorobenzene	50	52		1	104	59-129	05/30/2007 0812
Chloroethane	50	46		1	92	50-132	05/30/2007 0812
Chloroform	50	54		1	107	71-125	05/30/2007 0812
Chloromethane (Methyl chloride)	50	45		1	90	34-134	05/30/2007 0812
Cyclohexane	50	54		1	107	53-139	05/30/2007 0812
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	55-125	05/30/2007 0812
Dibromochloromethane	50	49		1	98	66-119	05/30/2007 0812
1,2-Dibromoethane (EDB)	50	54		1	107	74-124	05/30/2007 0812
1,4-Dichlorobenzene	50	53		1	106	52-133	05/30/2007 0812
1,2-Dichlorobenzene	50	54		1	107	57-131	05/30/2007 0812
1,3-Dichlorobenzene	50	53		1	107	51-134	05/30/2007 0812
Dichlorodifluoromethane	50	46		1	91	10-157	05/30/2007 0812
1,2-Dichloroethane	50	57		1	113	67-129	05/30/2007 0812
1,1-Dichloroethane	50	53		1	106	71-127	05/30/2007 0812
1,1-Dichloroethene	50	54		1	108	69-138	05/30/2007 0812
cis-1,2-Dichloroethene	50	50		1	101	70-122	05/30/2007 0812
trans-1,2-Dichloroethene	50	52		1	104	68-131	05/30/2007 0812
1,2-Dichloropropane	50	53		1	105	72-124	05/30/2007 0812
cis-1,3-Dichloropropene	50	53		1	105	70-126	05/30/2007 0812
trans-1,3-Dichloropropene	50	54		1	108	70-124	05/30/2007 0812
Ethylbenzene	50	51		1	101	59-128	05/30/2007 0812
2-Hexanone	100	100		1	104	54-137	05/30/2007 0812
Isopropylbenzene	50	53		1	105	50-136	05/30/2007 0812
Methyl acetate	50	54		1	107	59-137	05/30/2007 0812
Methyl tertiary butyl ether (MTBE)	50	53		1	107	72-122	05/30/2007 0812
4-Methyl-2-pentanone	100	100		1	106	60-134	05/30/2007 0812
Methylcyclohexane	50	51		1	102	41-144	05/30/2007 0812
Methylene chloride	50	55		1	110	77-129	05/30/2007 0812
Styrene	50	52		1	103	54-136	05/30/2007 0812
1,1,2,2-Tetrachloroethane	50	55		1	109	69-132	05/30/2007 0812
Tetrachloroethene	50	50		1	101	50-115	05/30/2007 0812
Toluene	50	50		1	100	61-129	05/30/2007 0812
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	101	49-136	05/30/2007 0812
1,2,4-Trichlorobenzene	50	53		1	105	34-145	05/30/2007 0812
1,1,2-Trichloroethane	50	53		1	106	55-128	05/30/2007 0812
1,1,1-Trichloroethane	50	52		1	104	63-128	05/30/2007 0812
Trichloroethene	50	50		1	100	62-126	05/30/2007 0812
Trichlorofluoromethane	50	52		1	104	45-138	05/30/2007 0812

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58496-002
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl chloride	50	44		1	88	42-132	05/30/2007 0812
Xylenes (total)	100	100		1	101	58-128	05/30/2007 0812

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	47-138
1,2-Dichloroethane-d4		106	53-142
Toluene-d8		102	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58496-003
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	91		1	91	15	42-149	20	05/30/2007 0835
Benzene	50	50		1	99	1.3	69-123	20	05/30/2007 0835
Bromodichloromethane	50	51		1	102	1.5	69-121	20	05/30/2007 0835
Bromoform	50	46		1	92	1.5	61-119	20	05/30/2007 0835
Bromomethane (Methyl bromide)	50	45		1	90	2.7	35-144	20	05/30/2007 0835
2-Butanone (MEK)	100	94		1	94	10	57-148	20	05/30/2007 0835
Carbon disulfide	50	47		1	94	1.7	58-122	20	05/30/2007 0835
Carbon tetrachloride	50	54		1	109	0.94	58-136	20	05/30/2007 0835
Chlorobenzene	50	50		1	101	2.7	59-129	20	05/30/2007 0835
Chloroethane	50	46		1	92	0.15	50-132	20	05/30/2007 0835
Chloroform	50	52		1	105	1.9	71-125	20	05/30/2007 0835
Chloromethane (Methyl chloride)	50	44		1	89	1.5	34-134	20	05/30/2007 0835
Cyclohexane	50	52		1	105	2.2	53-139	20	05/30/2007 0835
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	87	9.5	55-125	20	05/30/2007 0835
Dibromochloromethane	50	48		1	97	1.5	66-119	20	05/30/2007 0835
1,2-Dibromoethane (EDB)	50	51		1	103	4.2	74-124	20	05/30/2007 0835
1,4-Dichlorobenzene	50	51		1	103	3.2	52-133	20	05/30/2007 0835
1,2-Dichlorobenzene	50	52		1	104	3.0	57-131	20	05/30/2007 0835
1,3-Dichlorobenzene	50	52		1	104	2.3	51-134	20	05/30/2007 0835
Dichlorodifluoromethane	50	43		1	87	4.7	10-157	20	05/30/2007 0835
1,2-Dichloroethane	50	55		1	110	3.0	67-129	20	05/30/2007 0835
1,1-Dichloroethane	50	52		1	103	2.5	71-127	20	05/30/2007 0835
1,1-Dichloroethene	50	53		1	106	2.3	69-138	20	05/30/2007 0835
cis-1,2-Dichloroethene	50	49		1	98	2.9	70-122	20	05/30/2007 0835
trans-1,2-Dichloroethene	50	50		1	100	3.1	68-131	20	05/30/2007 0835
1,2-Dichloropropane	50	52		1	103	2.0	72-124	20	05/30/2007 0835
cis-1,3-Dichloropropene	50	52		1	104	1.8	70-126	20	05/30/2007 0835
trans-1,3-Dichloropropene	50	52		1	104	3.9	70-124	20	05/30/2007 0835
Ethylbenzene	50	49		1	98	3.3	59-128	20	05/30/2007 0835
2-Hexanone	100	93		1	93	12	54-137	20	05/30/2007 0835
Isopropylbenzene	50	52		1	105	0.20	50-136	20	05/30/2007 0835
Methyl acetate	50	49		1	98	9.1	59-137	20	05/30/2007 0835
Methyl tertiary butyl ether (MTBE)	50	50		1	101	5.6	72-122	20	05/30/2007 0835
4-Methyl-2-pentanone	100	97		1	97	8.6	60-134	20	05/30/2007 0835
Methylcyclohexane	50	50		1	100	2.6	41-144	20	05/30/2007 0835
Methylene chloride	50	55		1	110	0.47	77-129	20	05/30/2007 0835
Styrene	50	50		1	101	2.4	54-136	20	05/30/2007 0835
1,1,2,2-Tetrachloroethane	50	51		1	102	6.3	69-132	20	05/30/2007 0835
Tetrachloroethene	50	49		1	98	2.7	50-115	20	05/30/2007 0835
Toluene	50	49		1	98	2.0	61-129	20	05/30/2007 0835
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	96	5.1	49-136	20	05/30/2007 0835
1,2,4-Trichlorobenzene	50	48		1	96	9.4	34-145	20	05/30/2007 0835
1,1,2-Trichloroethane	50	52		1	103	2.9	55-128	20	05/30/2007 0835
1,1,1-Trichloroethane	50	51		1	102	1.2	63-128	20	05/30/2007 0835
Trichloroethene	50	50		1	99	0.33	62-126	20	05/30/2007 0835
Trichlorofluoromethane	50	51		1	102	2.5	45-138	20	05/30/2007 0835

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58496-003
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Vinyl chloride	50	45		1	90	1.8	42-132	20	05/30/2007 0835
Xylenes (total)	100	99		1	99	1.8	58-128	20	05/30/2007 0835

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	47-138
1,2-Dichloroethane-d4		102	53-142
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: IQ58159-001
Batch: 58159
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/24/2007 1820

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acenaphthene	ND		1	330	ug/kg	05/25/2007 1046
Acenaphthylene	ND		1	330	ug/kg	05/25/2007 1046
Acetophenone	ND		1	330	ug/kg	05/25/2007 1046
Anthracene	ND		1	330	ug/kg	05/25/2007 1046
Atrazine	ND		1	330	ug/kg	05/25/2007 1046
Benzaldehyde	ND		1	830	ug/kg	05/25/2007 1046
Benzo(a)anthracene	ND		1	330	ug/kg	05/25/2007 1046
Benzo(a)pyrene	ND		1	330	ug/kg	05/25/2007 1046
Benzo(b)fluoranthene	ND		1	330	ug/kg	05/25/2007 1046
Benzo(g,h,i)perylene	ND		1	330	ug/kg	05/25/2007 1046
Benzo(k)fluoranthene	ND		1	330	ug/kg	05/25/2007 1046
1,1'-Biphenyl	ND		1	330	ug/kg	05/25/2007 1046
4-Bromophenyl phenyl ether	ND		1	330	ug/kg	05/25/2007 1046
Butyl benzyl phthalate	ND		1	330	ug/kg	05/25/2007 1046
Caprolactam	ND		1	830	ug/kg	05/25/2007 1046
Carbazole	ND		1	330	ug/kg	05/25/2007 1046
4-Chloro-3-methyl phenol	ND		1	330	ug/kg	05/25/2007 1046
4-Chloroaniline	ND		1	330	ug/kg	05/25/2007 1046
bis(2-Chloroethoxy)methane	ND		1	330	ug/kg	05/25/2007 1046
bis(2-Chloroethyl)ether	ND		1	330	ug/kg	05/25/2007 1046
bis(2-Chloroisopropyl)ether	ND		1	330	ug/kg	05/25/2007 1046
2-Chloronaphthalene	ND		1	330	ug/kg	05/25/2007 1046
2-Chlorophenol	ND		1	330	ug/kg	05/25/2007 1046
4-Chlorophenyl phenyl ether	ND		1	330	ug/kg	05/25/2007 1046
Chrysene	ND		1	330	ug/kg	05/25/2007 1046
Dibenzo(a,h)anthracene	ND		1	330	ug/kg	05/25/2007 1046
Dibenzofuran	ND		1	330	ug/kg	05/25/2007 1046
3,3'-Dichlorobenzidine	ND		1	830	ug/kg	05/25/2007 1046
2,4-Dichlorophenol	ND		1	330	ug/kg	05/25/2007 1046
Diethylphthalate	ND		1	330	ug/kg	05/25/2007 1046
Dimethyl phthalate	ND		1	330	ug/kg	05/25/2007 1046
2,4-Dimethylphenol	ND		1	330	ug/kg	05/25/2007 1046
Di-n-butyl phthalate	ND		1	330	ug/kg	05/25/2007 1046
4,6-Dinitro-2-methylphenol	ND		1	830	ug/kg	05/25/2007 1046
2,4-Dinitrophenol	ND		1	830	ug/kg	05/25/2007 1046
2,4-Dinitrotoluene	ND		1	330	ug/kg	05/25/2007 1046
2,6-Dinitrotoluene	ND		1	330	ug/kg	05/25/2007 1046
Di-n-octylphthalate	ND		1	330	ug/kg	05/25/2007 1046
bis(2-Ethylhexyl)phthalate	ND		1	330	ug/kg	05/25/2007 1046
Fluoranthene	ND		1	330	ug/kg	05/25/2007 1046
Fluorene	ND		1	330	ug/kg	05/25/2007 1046
Hexachlorobenzene	ND		1	330	ug/kg	05/25/2007 1046
Hexachlorobutadiene	ND		1	330	ug/kg	05/25/2007 1046
Hexachlorocyclopentadiene	ND		1	830	ug/kg	05/25/2007 1046
Hexachloroethane	ND		1	330	ug/kg	05/25/2007 1046
Indeno(1,2,3-c,d)pyrene	ND		1	330	ug/kg	05/25/2007 1046

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: IQ58159-001
Batch: 58159
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/24/2007 1820

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Isophorone	ND		1	330	ug/kg	05/25/2007 1046
2-Methylnaphthalene	ND		1	330	ug/kg	05/25/2007 1046
2-Methylphenol	ND		1	330	ug/kg	05/25/2007 1046
3 & 4-Methylphenol	ND		1	670	ug/kg	05/25/2007 1046
Naphthalene	ND		1	330	ug/kg	05/25/2007 1046
2-Nitroaniline	ND		1	330	ug/kg	05/25/2007 1046
3-Nitroaniline	ND		1	330	ug/kg	05/25/2007 1046
4-Nitroaniline	ND		1	330	ug/kg	05/25/2007 1046
Nitrobenzene	ND		1	330	ug/kg	05/25/2007 1046
4-Nitrophenol	ND		1	830	ug/kg	05/25/2007 1046
2-Nitrophenol	ND		1	330	ug/kg	05/25/2007 1046
N-Nitrosodi-n-propylamine	ND		1	330	ug/kg	05/25/2007 1046
N-Nitrosodiphenylamine/Diphenylamine	ND		1	330	ug/kg	05/25/2007 1046
Pentachlorophenol	ND		1	830	ug/kg	05/25/2007 1046
Phenanthrene	ND		1	330	ug/kg	05/25/2007 1046
Phenol	ND		1	330	ug/kg	05/25/2007 1046
Pyrene	ND		1	330	ug/kg	05/25/2007 1046
2,4,6-Trichlorophenol	ND		1	330	ug/kg	05/25/2007 1046
2,4,5-Trichlorophenol	ND		1	330	ug/kg	05/25/2007 1046

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		67	30-117
2-Fluorobiphenyl		74	33-102
2-Fluorophenol		79	28-104
Nitrobenzene-d5		67	22-109
Phenol-d5		78	27-103
Terphenyl-d14		87	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58159-002
Batch: 58159
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/24/2007 1820

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	3300	2700		1	80	30-130	05/25/2007 1108
Acenaphthylene	3300	2600		1	78	30-130	05/25/2007 1108
Anthracene	3300	2800		1	84	30-130	05/25/2007 1108
Benzo(a)anthracene	3300	2800		1	84	30-130	05/25/2007 1108
Benzo(a)pyrene	3300	2900		1	86	30-130	05/25/2007 1108
Benzo(b)fluoranthene	3300	3000		1	89	30-130	05/25/2007 1108
Benzo(g,h,i)perylene	3300	2400		1	71	30-130	05/25/2007 1108
Benzo(k)fluoranthene	3300	2800		1	83	30-130	05/25/2007 1108
4-Bromophenyl phenyl ether	3300	2800		1	84	30-130	05/25/2007 1108
Butyl benzyl phthalate	3300	2700		1	81	30-130	05/25/2007 1108
Carbazole	3300	3500		1	104	30-130	05/25/2007 1108
4-Chloro-3-methyl phenol	3300	2800		1	85	30-130	05/25/2007 1108
4-Chloroaniline	3300	1300		1	39	10-130	05/25/2007 1108
bis(2-Chloroethoxy)methane	3300	2500		1	76	30-130	05/25/2007 1108
bis(2-Chloroethyl)ether	3300	2400		1	72	30-130	05/25/2007 1108
bis(2-Chloroisopropyl)ether	3300	2100		1	64	30-130	05/25/2007 1108
2-Chloronaphthalene	3300	2800		1	84	30-130	05/25/2007 1108
2-Chlorophenol	3300	2600		1	79	30-130	05/25/2007 1108
4-Chlorophenyl phenyl ether	3300	2800		1	83	30-130	05/25/2007 1108
Chrysene	3300	2800		1	84	30-130	05/25/2007 1108
Dibenzo(a,h)anthracene	3300	3000		1	92	30-130	05/25/2007 1108
Dibenzofuran	3300	2700		1	82	30-130	05/25/2007 1108
2,4-Dichlorophenol	3300	2600		1	80	30-130	05/25/2007 1108
Diethylphthalate	3300	2800		1	85	30-130	05/25/2007 1108
Dimethyl phthalate	3300	2800		1	83	30-130	05/25/2007 1108
2,4-Dimethylphenol	3300	2300		1	68	30-130	05/25/2007 1108
Di-n-butyl phthalate	3300	2900		1	88	30-130	05/25/2007 1108
4,6-Dinitro-2-methylphenol	17000	15000		1	91	30-130	05/25/2007 1108
2,4-Dinitrophenol	17000	14000		1	86	30-130	05/25/2007 1108
2,4-Dinitrotoluene	6700	5900		1	89	30-130	05/25/2007 1108
2,6-Dinitrotoluene	6700	5900		1	89	30-130	05/25/2007 1108
Di-n-octylphthalate	3300	2800		1	83	30-130	05/25/2007 1108
bis(2-Ethylhexyl)phthalate	3300	2600		1	77	30-130	05/25/2007 1108
Fluoranthene	3300	2700		1	82	30-130	05/25/2007 1108
Fluorene	3300	2800		1	83	30-130	05/25/2007 1108
Hexachlorobenzene	3300	2800		1	85	30-130	05/25/2007 1108
Hexachlorobutadiene	3300	2300		1	69	30-130	05/25/2007 1108
Hexachlorocyclopentadiene	17000	12000		1	75	30-130	05/25/2007 1108
Hexachloroethane	3300	1800		1	55	30-130	05/25/2007 1108
Indeno(1,2,3-c,d)pyrene	3300	3000		1	91	30-130	05/25/2007 1108
Isophorone	3300	2200		1	68	30-130	05/25/2007 1108
2-Methylnaphthalene	3300	2500		1	75	30-130	05/25/2007 1108
2-Methylphenol	3300	2400		1	74	30-130	05/25/2007 1108
3 & 4-Methylphenol	6700	4800		1	72	30-130	05/25/2007 1108
Naphthalene	3300	2300		1	68	30-130	05/25/2007 1108
2-Nitroaniline	6700	5800		1	87	30-130	05/25/2007 1108

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58159-002
Batch: 58159
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/24/2007 1820

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
3-Nitroaniline	6700	5000		1	75	30-130	05/25/2007 1108
4-Nitroaniline	6700	5700		1	85	30-130	05/25/2007 1108
Nitrobenzene	3300	2400		1	72	30-130	05/25/2007 1108
4-Nitrophenol	17000	15000		1	88	30-130	05/25/2007 1108
2-Nitrophenol	6700	5100		1	77	30-130	05/25/2007 1108
N-Nitrosodi-n-propylamine	3300	2500		1	74	30-130	05/25/2007 1108
N-Nitrosodiphenylamine/Diphenylamine	3300	2900		1	86	30-130	05/25/2007 1108
Pentachlorophenol	17000	12000		1	75	30-130	05/25/2007 1108
Phenanthrene	3300	2800		1	85	30-130	05/25/2007 1108
Phenol	3300	2400		1	73	30-130	05/25/2007 1108
Pyrene	3300	2700		1	80	30-130	05/25/2007 1108
2,4,6-Trichlorophenol	3300	2900		1	87	30-130	05/25/2007 1108
2,4,5-Trichlorophenol	3300	3000		1	91	30-130	05/25/2007 1108

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		80	30-117
2-Fluorobiphenyl		76	33-102
2-Fluorophenol		80	28-104
Nitrobenzene-d5		71	22-109
Phenol-d5		78	27-103
Terphenyl-d14		82	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: IE23019-001MS
Batch: 58159
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/24/2007 1820

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	ND	4200	3400		1	79	30-130	05/25/2007 1640
Acenaphthylene	ND	4200	3300		1	78	30-130	05/25/2007 1640
Anthracene	ND	4200	3600		1	84	30-130	05/25/2007 1640
Benzo(a)anthracene	ND	4200	3800		1	89	30-130	05/25/2007 1640
Benzo(a)pyrene	ND	4200	3600		1	85	30-130	05/25/2007 1640
Benzo(b)fluoranthene	ND	4200	3600		1	84	30-130	05/25/2007 1640
Benzo(g,h,i)perylene	ND	4200	4300		1	102	30-130	05/25/2007 1640
Benzo(k)fluoranthene	ND	4200	3400		1	82	30-130	05/25/2007 1640
4-Bromophenyl phenyl ether	ND	4200	3700		1	87	30-130	05/25/2007 1640
Butyl benzyl phthalate	ND	4200	3800		1	90	30-130	05/25/2007 1640
Carbazole	ND	4200	3200		1	76	30-130	05/25/2007 1640
4-Chloro-3-methyl phenol	ND	4200	3700		1	88	30-130	05/25/2007 1640
4-Chloroaniline	ND	4200	1500		1	36	10-130	05/25/2007 1640
bis(2-Chloroethoxy)methane	ND	4200	3200		1	76	30-130	05/25/2007 1640
bis(2-Chloroethyl)ether	ND	4200	2200		1	52	30-130	05/25/2007 1640
bis(2-Chloroisopropyl)ether	ND	4200	2200		1	53	30-130	05/25/2007 1640
2-Chloronaphthalene	ND	4200	4100		1	97	30-130	05/25/2007 1640
2-Chlorophenol	ND	4200	2400		1	58	30-130	05/25/2007 1640
4-Chlorophenyl phenyl ether	ND	4200	3500		1	83	30-130	05/25/2007 1640
Chrysene	ND	4200	3500		1	83	30-130	05/25/2007 1640
Dibenzo(a,h)anthracene	ND	4200	4200		1	99	30-130	05/25/2007 1640
Dibenzofuran	ND	4200	3400		1	82	30-130	05/25/2007 1640
2,4-Dichlorophenol	ND	4200	3400		1	81	30-130	05/25/2007 1640
Diethylphthalate	ND	4200	3600		1	85	30-130	05/25/2007 1640
Dimethyl phthalate	ND	4200	3500		1	82	30-130	05/25/2007 1640
2,4-Dimethylphenol	ND	4200	2800		1	66	30-130	05/25/2007 1640
Di-n-butyl phthalate	ND	4200	3600		1	85	30-130	05/25/2007 1640
4,6-Dinitro-2-methylphenol	ND	21000	18000		1	84	30-130	05/25/2007 1640
2,4-Dinitrophenol	ND	21000	17000		1	82	30-130	05/25/2007 1640
2,4-Dinitrotoluene	ND	8400	7200		1	85	30-130	05/25/2007 1640
2,6-Dinitrotoluene	ND	8400	7300		1	86	30-130	05/25/2007 1640
Di-n-octylphthalate	ND	4200	3100		1	73	30-130	05/25/2007 1640
bis(2-Ethylhexyl)phthalate	ND	4200	3600		1	85	30-130	05/25/2007 1640
Fluoranthene	ND	4200	3000		1	71	30-130	05/25/2007 1640
Fluorene	ND	4200	3500		1	83	30-130	05/25/2007 1640
Hexachlorobenzene	ND	4200	3700		1	89	30-130	05/25/2007 1640
Hexachlorobutadiene	ND	4200	2900		1	68	30-130	05/25/2007 1640
Hexachlorocyclopentadiene	ND	21000	17000		1	80	30-130	05/25/2007 1640
Hexachloroethane	ND	4200	1800		1	42	30-130	05/25/2007 1640
Indeno(1,2,3-c,d)pyrene	ND	4200	4200		1	100	30-130	05/25/2007 1640
Isophorone	ND	4200	2900		1	68	30-130	05/25/2007 1640
2-Methylnaphthalene	ND	4200	3200		1	75	30-130	05/25/2007 1640
2-Methylphenol	ND	4200	2800		1	65	30-130	05/25/2007 1640
3 & 4-Methylphenol	ND	8400	5000		1	60	30-130	05/25/2007 1640
Naphthalene	ND	4200	2800		1	65	30-130	05/25/2007 1640
2-Nitroaniline	ND	8400	7400		1	87	30-130	05/25/2007 1640

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: IE23019-001MS
Batch: 58159
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/24/2007 1820

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
3-Nitroaniline	ND	8400	6400		1	76	30-130	05/25/2007 1640
4-Nitroaniline	ND	8400	6500		1	77	30-130	05/25/2007 1640
Nitrobenzene	ND	4200	2400		1	56	30-130	05/25/2007 1640
4-Nitrophenol	ND	21000	16000		1	77	30-130	05/25/2007 1640
2-Nitrophenol	ND	8400	6500		1	77	30-130	05/25/2007 1640
N-Nitrosodi-n-propylamine	ND	4200	2400		1	57	30-130	05/25/2007 1640
N-Nitrosodiphenylamine/Diphenylamine	ND	4200	3600		1	85	30-130	05/25/2007 1640
Pentachlorophenol	ND	21000	17000		1	79	30-130	05/25/2007 1640
Phenanthrene	ND	4200	3700		1	88	30-130	05/25/2007 1640
Phenol	ND	4200	2500		1	59	30-130	05/25/2007 1640
Pyrene	ND	4200	4400		1	103	30-130	05/25/2007 1640
2,4,6-Trichlorophenol	ND	4200	4000		1	94	30-130	05/25/2007 1640
2,4,5-Trichlorophenol	ND	4200	3800		1	90	30-130	05/25/2007 1640

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		92	30-117
2-Fluorobiphenyl		76	33-102
2-Fluorophenol		72	28-104
Nitrobenzene-d5		56	22-109
Phenol-d5		62	27-103
Terphenyl-d14		103	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: IE23019-001MD
Batch: 58159
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/24/2007 1820

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	4200	3100		1	73	8.7	30-130	40	05/25/2007 1708
Acenaphthylene	ND	4200	3000		1	72	8.7	30-130	40	05/25/2007 1708
Anthracene	ND	4200	3700		1	88	4.1	30-130	40	05/25/2007 1708
Benzo(a)anthracene	ND	4200	3900		1	93	4.1	30-130	40	05/25/2007 1708
Benzo(a)pyrene	ND	4200	3800		1	91	7.1	30-130	40	05/25/2007 1708
Benzo(b)fluoranthene	ND	4200	3900		1	92	9.1	30-130	40	05/25/2007 1708
Benzo(g,h,i)perylene	ND	4200	4100		1	98	4.1	30-130	40	05/25/2007 1708
Benzo(k)fluoranthene	ND	4200	3800		1	91	10	30-130	40	05/25/2007 1708
4-Bromophenyl phenyl ether	ND	4200	3900		1	91	4.5	30-130	40	05/25/2007 1708
Butyl benzyl phthalate	ND	4200	4300		1	101	12	30-130	40	05/25/2007 1708
Carbazole	ND	4200	3400		1	80	5.8	30-130	40	05/25/2007 1708
4-Chloro-3-methyl phenol	ND	4200	3300		1	79	11	30-130	40	05/25/2007 1708
4-Chloroaniline	ND	4200	1300		1	31	16	10-130	40	05/25/2007 1708
bis(2-Chloroethoxy)methane	ND	4200	2400		1	58	27	30-130	40	05/25/2007 1708
bis(2-Chloroethyl)ether	ND	4200	2000		1	47	9.3	30-130	40	05/25/2007 1708
bis(2-Chloroisopropyl)ether	ND	4200	2000		1	47	11	30-130	40	05/25/2007 1708
2-Chloronaphthalene	ND	4200	2800		1	66	37	30-130	40	05/25/2007 1708
2-Chlorophenol	ND	4200	2200		1	52	11	30-130	40	05/25/2007 1708
4-Chlorophenyl phenyl ether	ND	4200	3400		1	80	3.4	30-130	40	05/25/2007 1708
Chrysene	ND	4200	3700		1	88	6.2	30-130	40	05/25/2007 1708
Dibenzo(a,h)anthracene	ND	4200	4000		1	96	3.2	30-130	40	05/25/2007 1708
Dibenzofuran	ND	4200	3300		1	77	5.8	30-130	40	05/25/2007 1708
2,4-Dichlorophenol	ND	4200	2600		1	62	26	30-130	40	05/25/2007 1708
Diethylphthalate	ND	4200	3800		1	91	6.0	30-130	40	05/25/2007 1708
Dimethyl phthalate	ND	4200	3700		1	87	5.5	30-130	40	05/25/2007 1708
2,4-Dimethylphenol	ND	4200	2100		1	51	27	30-130	40	05/25/2007 1708
Di-n-butyl phthalate	ND	4200	3800		1	91	5.9	30-130	40	05/25/2007 1708
4,6-Dinitro-2-methylphenol	ND	21000	18000		1	86	1.7	30-130	40	05/25/2007 1708
2,4-Dinitrophenol	ND	21000	16000		1	77	7.1	30-130	40	05/25/2007 1708
2,4-Dinitrotoluene	ND	8400	7500		1	88	3.6	30-130	40	05/25/2007 1708
2,6-Dinitrotoluene	ND	8400	7600		1	90	3.7	30-130	40	05/25/2007 1708
Di-n-octylphthalate	ND	4200	3800		1	90	20	30-130	40	05/25/2007 1708
bis(2-Ethylhexyl)phthalate	ND	4200	4000		1	94	10	30-130	40	05/25/2007 1708
Fluoranthene	ND	4200	3100		1	74	5.0	30-130	40	05/25/2007 1708
Fluorene	ND	4200	3400		1	81	2.8	30-130	40	05/25/2007 1708
Hexachlorobenzene	ND	4200	3800		1	90	1.9	30-130	40	05/25/2007 1708
Hexachlorobutadiene	ND	4200	2000		1	47	37	30-130	40	05/25/2007 1708
Hexachlorocyclopentadiene	ND	21000	12000		1	56	36	30-130	40	05/25/2007 1708
Hexachloroethane	ND	4200	1600		1	37	12	30-130	40	05/25/2007 1708
Indeno(1,2,3-c,d)pyrene	ND	4200	4200		1	99	1.5	30-130	40	05/25/2007 1708
Isophorone	ND	4200	2400		1	56	20	30-130	40	05/25/2007 1708
2-Methylnaphthalene	ND	4200	2400		1	56	29	30-130	40	05/25/2007 1708
2-Methylphenol	ND	4200	2200		1	52	22	30-130	40	05/25/2007 1708
3 & 4-Methylphenol	ND	8400	4700		1	56	7.1	30-130	40	05/25/2007 1708
Naphthalene	ND	4200	2000		1	47	32	30-130	40	05/25/2007 1708
2-Nitroaniline	ND	8400	7400		1	88	0.88	30-130	40	05/25/2007 1708

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: IE23019-001MD
Batch: 58159
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/24/2007 1820

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
3-Nitroaniline	ND	8400	6700		1	79	4.0	30-130	40	05/25/2007 1708
4-Nitroaniline	ND	8400	6900		1	81	4.9	30-130	40	05/25/2007 1708
Nitrobenzene	ND	4200	2100		1	50	11	30-130	40	05/25/2007 1708
4-Nitrophenol	ND	21000	16000		1	77	0.24	30-130	40	05/25/2007 1708
2-Nitrophenol	ND	8400	4800		1	56	31	30-130	40	05/25/2007 1708
N-Nitrosodi-n-propylamine	ND	4200	2400		1	56	1.9	30-130	40	05/25/2007 1708
N-Nitrosodiphenylamine/Diphenylamine	ND	4200	3800		1	90	6.4	30-130	40	05/25/2007 1708
Pentachlorophenol	ND	21000	17000		1	79	0.36	30-130	40	05/25/2007 1708
Phenanthrene	ND	4200	3700		1	88	0.020	30-130	40	05/25/2007 1708
Phenol	ND	4200	2200		1	53	9.2	30-130	40	05/25/2007 1708
Pyrene	ND	4200	5000		1	118	13	30-130	40	05/25/2007 1708
2,4,6-Trichlorophenol	ND	4200	3300		1	78	19	30-130	40	05/25/2007 1708
2,4,5-Trichlorophenol	ND	4200	3600		1	86	5.3	30-130	40	05/25/2007 1708

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		97	30-117
2-Fluorobiphenyl		65	33-102
2-Fluorophenol		53	28-104
Nitrobenzene-d5		52	22-109
Phenol-d5		58	27-103
Terphenyl-d14		119	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - DRO - MB

Sample ID: IQ58217-001
Batch: 58217
Analytical Method: 8015B

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/25/2007 2000

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TPH-DRO	ND		1	6700	ug/kg	05/30/2007 2251

Surrogate	Q	% Rec	Acceptance Limit
o - Terphenyl		84	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - DRO - LCS

Sample ID: IQ58217-002
Batch: 58217
Analytical Method: 8015B

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/25/2007 2000

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TPH-DRO	83000	66000		1	80	50-130	05/30/2007 2317

Surrogate	Q	% Rec	Acceptance Limit
o - Terphenyl		83	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - DRO - MS

Sample ID: IE23019-001MS
Batch: 58217
Analytical Method: 8015B

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/25/2007 2000

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TPH-DRO	9600	100000	71000		1	58	50-130	05/31/2007 0010

Surrogate	Q	% Rec	Acceptance Limit
o - Terphenyl		81	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - DRO - MSD

Sample ID: IE23019-001MD
Batch: 58217
Analytical Method: 8015B

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/25/2007 2000

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TPH-DRO	9600	100000	75000		1	62	4.9	50-130	20	05/31/2007 0036

Surrogate	Q	% Rec	Acceptance Limit
o - Terphenyl		83	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Organochlorine Pesticides by GC - MB

Sample ID: IQ58263-001
Batch: 58263
Analytical Method: 8081A

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/26/2007 1615

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aldrin	ND		1	1.7	ug/kg	06/02/2007 0049
delta-BHC	ND		1	1.7	ug/kg	06/02/2007 0049
beta-BHC	ND		1	1.7	ug/kg	06/02/2007 0049
alpha-BHC	ND		1	1.7	ug/kg	06/02/2007 0049
gamma-BHC (Lindane)	ND		1	1.7	ug/kg	06/02/2007 0049
gamma-Chlordane	ND		1	1.7	ug/kg	06/02/2007 0049
alpha-Chlordane	ND		1	1.7	ug/kg	06/02/2007 0049
4,4'-DDD	ND		1	1.7	ug/kg	06/02/2007 0049
4,4'-DDE	ND		1	1.7	ug/kg	06/02/2007 0049
4,4'-DDT	ND		1	1.7	ug/kg	06/02/2007 0049
Dieldrin	ND		1	1.7	ug/kg	06/02/2007 0049
Endosulfan I	ND		1	1.7	ug/kg	06/02/2007 0049
Endosulfan II	ND		1	1.7	ug/kg	06/02/2007 0049
Endosulfan sulfate	ND		1	1.7	ug/kg	06/02/2007 0049
Endrin	ND		1	1.7	ug/kg	06/02/2007 0049
Endrin aldehyde	ND		1	1.7	ug/kg	06/02/2007 0049
Endrin ketone	ND		1	1.7	ug/kg	06/02/2007 0049
Heptachlor	ND		1	1.7	ug/kg	06/02/2007 0049
Heptachlor epoxide	ND		1	1.7	ug/kg	06/02/2007 0049
Methoxychlor	ND		1	6.7	ug/kg	06/02/2007 0049
Toxaphene	ND		1	83	ug/kg	06/02/2007 0049

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		84	50-130
Tetrachloro-m-xylene		82	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Organochlorine Pesticides by GC - LCS

Sample ID: IQ58263-002
Batch: 58263
Analytical Method: 8081A

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/26/2007 1615

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aldrin	17	13		1	78	50-130	06/02/2007 0105
delta-BHC	17	14		1	82	50-130	06/02/2007 0105
beta-BHC	17	13		1	79	50-130	06/02/2007 0105
alpha-BHC	17	12		1	74	50-130	06/02/2007 0105
gamma-BHC (Lindane)	17	14		1	80	50-130	06/02/2007 0105
gamma-Chlordane	17	14		1	80	50-130	06/02/2007 0105
alpha-Chlordane	17	14		1	81	50-130	06/02/2007 0105
4,4'-DDD	17	14		1	83	50-130	06/02/2007 0105
4,4'-DDE	17	13		1	78	50-130	06/02/2007 0105
4,4'-DDT	17	13		1	78	50-130	06/02/2007 0105
Dieldrin	17	14		1	85	50-130	06/02/2007 0105
Endosulfan I	17	14		1	82	50-130	06/02/2007 0105
Endosulfan II	17	14		1	84	50-130	06/02/2007 0105
Endosulfan sulfate	17	15		1	86	50-130	06/02/2007 0105
Endrin	17	13		1	77	50-130	06/02/2007 0105
Endrin aldehyde	17	13		1	77	50-130	06/02/2007 0105
Endrin ketone	17	13		1	76	50-130	06/02/2007 0105
Heptachlor	17	14		1	80	50-130	06/02/2007 0105
Heptachlor epoxide	17	14		1	82	50-130	06/02/2007 0105
Methoxychlor	17	17		1	101	50-130	06/02/2007 0105

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		85	50-130
Tetrachloro-m-xylene		83	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Organochlorine Pesticides by GC - MS

Sample ID: IE23019-001MS
Batch: 58263
Analytical Method: 8081A

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/26/2007 1615

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aldrin	ND	22	16		1	74	50-130	06/02/2007 0136
delta-BHC	ND	22	17		1	80	50-130	06/02/2007 0136
beta-BHC	ND	22	16		1	77	50-130	06/02/2007 0136
alpha-BHC	ND	22	15		1	69	50-130	06/02/2007 0136
gamma-BHC (Lindane)	ND	22	16		1	75	50-130	06/02/2007 0136
gamma-Chlordane	ND	22	17		1	78	50-130	06/02/2007 0136
alpha-Chlordane	ND	22	17		1	80	50-130	06/02/2007 0136
4,4'-DDD	ND	22	17		1	81	50-130	06/02/2007 0136
4,4'-DDE	ND	22	16		1	76	50-130	06/02/2007 0136
4,4'-DDT	ND	22	16		1	75	50-130	06/02/2007 0136
Dieldrin	ND	22	18		1	83	50-130	06/02/2007 0136
Endosulfan I	ND	22	17		1	79	50-130	06/02/2007 0136
Endosulfan II	ND	22	17		1	80	50-130	06/02/2007 0136
Endosulfan sulfate	ND	22	18		1	83	50-130	06/02/2007 0136
Endrin	ND	22	16		1	76	50-130	06/02/2007 0136
Endrin aldehyde	ND	22	16		1	73	50-130	06/02/2007 0136
Endrin ketone	ND	22	16		1	73	50-130	06/02/2007 0136
Heptachlor	ND	22	16		1	74	50-130	06/02/2007 0136
Heptachlor epoxide	ND	22	17		1	80	50-130	06/02/2007 0136
Methoxychlor	ND	22	21		1	98	50-130	06/02/2007 0136

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		85	50-130
Tetrachloro-m-xylene		78	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Organochlorine Pesticides by GC - MSD

Sample ID: IE23019-001MD
Batch: 58263
Analytical Method: 8081A

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/26/2007 1615

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aldrin	ND	22	15		1	69	6.5	50-130	30	06/02/2007 0152
delta-BHC	ND	22	17		1	77	3.6	50-130	30	06/02/2007 0152
beta-BHC	ND	22	16		1	74	3.2	50-130	30	06/02/2007 0152
alpha-BHC	ND	22	14		1	63	9.0	50-130	30	06/02/2007 0152
gamma-BHC (Lindane)	ND	22	15		1	70	6.8	50-130	30	06/02/2007 0152
gamma-Chlordane	ND	22	16		1	76	3.2	50-130	30	06/02/2007 0152
alpha-Chlordane	ND	22	17		1	78	2.2	50-130	30	06/02/2007 0152
4,4'-DDD	ND	22	17		1	78	3.3	50-130	30	06/02/2007 0152
4,4'-DDE	ND	22	16		1	74	2.7	50-130	30	06/02/2007 0152
4,4'-DDT	ND	22	16		1	72	3.9	50-130	30	06/02/2007 0152
Dieldrin	ND	22	18		1	81	2.4	50-130	30	06/02/2007 0152
Endosulfan I	ND	22	17		1	77	2.7	50-130	30	06/02/2007 0152
Endosulfan II	ND	22	17		1	77	3.6	50-130	30	06/02/2007 0152
Endosulfan sulfate	ND	22	16		1	76	9.4	50-130	30	06/02/2007 0152
Endrin	ND	22	16		1	73	3.8	50-130	30	06/02/2007 0152
Endrin aldehyde	ND	22	14		1	64	14	50-130	30	06/02/2007 0152
Endrin ketone	ND	22	15		1	71	3.2	50-130	30	06/02/2007 0152
Heptachlor	ND	22	15		1	70	6.6	50-130	30	06/02/2007 0152
Heptachlor epoxide	ND	22	17		1	77	2.6	50-130	30	06/02/2007 0152
Methoxychlor	ND	22	20		1	95	3.4	50-130	30	06/02/2007 0152

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		79	50-130
Tetrachloro-m-xylene		69	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

PCBs by GC - MB

Sample ID: IQ58264-001
Batch: 58264
Analytical Method: 8082

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/26/2007 1615

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aroclor 1016	ND		1	17	ug/kg	05/30/2007 2055
Aroclor 1221	ND		1	17	ug/kg	05/30/2007 2055
Aroclor 1232	ND		1	17	ug/kg	05/30/2007 2055
Aroclor 1242	ND		1	17	ug/kg	05/30/2007 2055
Aroclor 1248	ND		1	17	ug/kg	05/30/2007 2055
Aroclor 1254	ND		1	17	ug/kg	05/30/2007 2055
Aroclor 1260	ND		1	17	ug/kg	05/30/2007 2055

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		90	50-130
Tetrachloro-m-xylene		82	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

PCBs by GC - LCS

Sample ID: IQ58264-002
Batch: 58264
Analytical Method: 8082

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/26/2007 1615

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aroclor 1016	83	69		1	83	42-149	05/30/2007 2107
Aroclor 1260	83	71		1	85	34-160	05/30/2007 2107

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		90	50-130
Tetrachloro-m-xylene		79	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

PCBs by GC - MS

Sample ID: IE23019-001MS
Batch: 58264
Analytical Method: 8082

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/26/2007 1615

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aroclor 1016	ND	100	84		1	80	42-149	05/30/2007 2131
Aroclor 1260	ND	100	88		1	84	34-160	05/30/2007 2131

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		90	50-130
Tetrachloro-m-xylene		69	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

PCBs by GC - MSD

Sample ID: IE23019-001MD
Batch: 58264
Analytical Method: 8082

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/26/2007 1615

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aroclor 1016	ND	100	84		1	80	0.50	42-149	30	05/30/2007 2143
Aroclor 1260	ND	100	89		1	84	0.17	34-160	30	05/30/2007 2143

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		89	50-130
Tetrachloro-m-xylene		68	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - MB

Sample ID: IQ58254-001
Batch: 58254
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TPH-GRO	ND		1	5000	ug/kg	05/25/2007 1322

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		89	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - LCS

Sample ID: IQ58254-002
Batch: 58254
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TPH-GRO	40000	36000		1	90	70-130	05/25/2007 1347

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		89	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - LCSD

Sample ID: IQ58254-003
Batch: 58254
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TPH-GRO	40000	42000		1	105	16	70-130	20	05/25/2007 1412

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - MB

Sample ID: IQ58468-001
Batch: 58468
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TPH-GRO	ND		1	5000	ug/kg	05/29/2007 1432

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - LCS

Sample ID: IQ58468-002
Batch: 58468
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TPH-GRO	40000	40000		1	101	70-130	05/29/2007 1457

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - LCSD

Sample ID: IQ58468-003
Batch: 58468
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TPH-GRO	40000	41000		1	104	2.4	70-130	20	05/29/2007 1522

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MB

Sample ID: IQ58690-001
Batch: 58690
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 05/30/2007 1300

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aluminum	ND		1	10	mg/kg	06/02/2007 0111
Antimony	ND		1	0.50	mg/kg	06/02/2007 0111
Arsenic	ND		1	0.50	mg/kg	06/02/2007 0111
Barium	ND		1	1.3	mg/kg	06/02/2007 0111
Beryllium	ND		1	0.20	mg/kg	06/02/2007 0111
Cadmium	ND		1	0.10	mg/kg	06/02/2007 0111
Calcium	ND		1	250	mg/kg	06/02/2007 0111
Chromium	ND		1	0.25	mg/kg	06/02/2007 0111
Cobalt	ND		1	1.3	mg/kg	06/02/2007 0111
Copper	ND		1	0.25	mg/kg	06/02/2007 0111
Iron	ND		1	5.0	mg/kg	06/04/2007 1511
Lead	ND		1	0.50	mg/kg	06/02/2007 0111
Magnesium	ND		1	250	mg/kg	06/02/2007 0111
Manganese	ND		1	0.75	mg/kg	06/02/2007 0111
Nickel	ND		1	2.0	mg/kg	06/02/2007 0111
Potassium	ND		1	250	mg/kg	06/02/2007 0111
Selenium	ND		1	0.50	mg/kg	06/02/2007 0111
Silver	ND		1	0.25	mg/kg	06/02/2007 0111
Sodium	ND		1	250	mg/kg	06/02/2007 0111
Thallium	ND		1	2.5	mg/kg	06/02/2007 0111
Vanadium	ND		1	2.5	mg/kg	06/02/2007 0111
Zinc	ND		1	2.5	mg/kg	06/02/2007 0111

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCS

Sample ID: IQ58690-002
Batch: 58690
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 05/30/2007 1300

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	1000	970		1	97	80-120	06/02/2007 0117
Antimony	50	48		1	96	80-120	06/02/2007 0117
Arsenic	250	250		1	102	80-120	06/02/2007 0117
Barium	500	470		1	94	80-120	06/02/2007 0117
Beryllium	100	96		1	96	80-120	06/02/2007 0117
Cadmium	50	48		1	96	80-120	06/02/2007 0117
Calcium	2000	2000		1	100	80-120	06/02/2007 0117
Chromium	250	250		1	101	80-120	06/02/2007 0117
Cobalt	100	98		1	98	80-120	06/02/2007 0117
Copper	100	100		1	100	80-120	06/02/2007 0117
Iron	1000	970		1	97	80-120	06/04/2007 1517
Lead	250	240		1	95	80-120	06/02/2007 0117
Magnesium	2000	2000		1	98	80-120	06/02/2007 0117
Manganese	100	99		1	99	80-120	06/02/2007 0117
Nickel	100	96		1	96	80-120	06/02/2007 0117
Potassium	2000	1900		1	96	80-120	06/02/2007 0117
Selenium	50	46		1	91	80-120	06/02/2007 0117
Silver	250	240		1	96	80-120	06/02/2007 0117
Sodium	2000	1900		1	96	80-120	06/02/2007 0117
Thallium	40	39		1	97	80-120	06/02/2007 0117
Vanadium	100	97		1	97	80-120	06/02/2007 0117
Zinc	100	96		1	96	80-120	06/02/2007 0117

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCSD

Sample ID: IQ58690-003
Batch: 58690
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 05/30/2007 1300

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aluminum	1000	980		1	98	0.69	80-120	20	06/02/2007 0123
Antimony	50	48		1	96	0.52	80-120	20	06/02/2007 0123
Arsenic	250	250		1	102	0.11	80-120	20	06/02/2007 0123
Barium	500	480		1	95	0.94	80-120	20	06/02/2007 0123
Beryllium	100	96		1	96	0.053	80-120	20	06/02/2007 0123
Cadmium	50	48		1	97	0.79	80-120	20	06/02/2007 0123
Calcium	2000	2000		1	100	0.34	80-120	20	06/02/2007 0123
Chromium	250	250		1	100	0.43	80-120	20	06/02/2007 0123
Cobalt	100	98		1	98	0.015	80-120	20	06/02/2007 0123
Copper	100	100		1	100	0.058	80-120	20	06/02/2007 0123
Iron	1000	960		1	96	1.4	80-120	20	06/04/2007 1523
Lead	250	240		1	96	0.66	80-120	20	06/02/2007 0123
Magnesium	2000	2000		1	98	0.39	80-120	20	06/02/2007 0123
Manganese	100	99		1	99	0.59	80-120	20	06/02/2007 0123
Nickel	100	97		1	97	1.0	80-120	20	06/02/2007 0123
Potassium	2000	1900		1	96	0.47	80-120	20	06/02/2007 0123
Selenium	50	46		1	91	0.049	80-120	20	06/02/2007 0123
Silver	250	240		1	97	1.1	80-120	20	06/02/2007 0123
Sodium	2000	1900		1	96	0.61	80-120	20	06/02/2007 0123
Thallium	40	39		1	98	0.90	80-120	20	06/02/2007 0123
Vanadium	100	97		1	97	0.20	80-120	20	06/02/2007 0123
Zinc	100	96		1	96	0.67	80-120	20	06/02/2007 0123

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MB

Sample ID: IQ58261-001
Batch: 58261
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/26/2007 1702

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Mercury	ND		1	0.083	mg/kg	05/26/2007 1412

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCS

Sample ID: IQ58261-002
Batch: 58261
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/26/2007 1702

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.83	0.86		1	104	85-115	05/26/2007 1414

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCSD

Sample ID: IQ58261-003
Batch: 58261
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/26/2007 1702

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.83	0.86		1	104	0.19	85-115	20	05/26/2007 1415

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MS

Sample ID: IE23019-001MS
Batch: 58261
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/26/2007 1702

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	ND	1.0	1.1		1	102	85-115	05/26/2007 1419

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MSD

Sample ID: IE23019-001MD
Batch: 58261
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/26/2007 1702

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	ND	1.0	1.1		1	101	0.59	85-115	20	05/26/2007 1420

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Shealy Environmental Services
106 Vantage Point Drive
West Colombia, South Carolina 29172

phone # (803) 791-9700 fax # (803) 791-91111

IE23019

Client Contact	Project Manager: Chuck Bertz	Site Contact: Adam Tripp	Date: 5-22-2007	COC No:
ARCADIS	Tel/Fax:	Lab Contact: Paul Biery	Carrier: FED EX	Page # 1
801 Corporate Center Drive Suite 300	Analysis Turnaround Time			Job No. NC107002
Raleigh, North Carolina	Calendar (C) or Work Days (W) ____ W			
919-854-1282	TAT if different from Below _____			
919-854-5448	■ 2 weeks			SDG No.
Project Name: ONWASA	☐ 1 week			
Site: ☐ UXO-05	☐ 3 days			
Site: ☒ UXO-06	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Explosive Residues 8330	TCL Pesticides 8081A	TAL Metals 6010/7420 and 6010/7421 for soil	Cyanide (Total) 9012	TOC 415.1 and Walkely Black for soil	PCB's (Aroclors) 8082	VOC's 8260B	SVOC's 8270C	Total Organic Halogens 9020B	Perchlorate 314	TPH-GRO 5030A/8015A	TPH-DRO 3550A/8015A	Sample Specific Notes:
MMRP 06-IS01	5-22-07	820	Soil			X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS02	↓	855	↓			X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS03		915				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS04		1000				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS05		1015				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS06		1100				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS07		1115				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS08		1200				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS09		1417				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS10		1451				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS11	↓	1520	↓			X	X	X	X	X	X	X	X	X	X	X	X	
[redacted]																		
[redacted]																		
[redacted]																		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ■ *Unknown*

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 & Comments: All sample containers have abreviated sample ID's. For example soil sample container labeled "01" from site UXO-05 has a true ID of "MMRP05-IS01", as indicated on the COC. Ground water sample container labeled "TW16" from site UXO-06 has a true ID of "MMRP06-TW16". Please report all samples with the true ID.**

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	ARCADIS	5/22/07			
FedEx	FedEx	17:00	[signature]	Shealy Env'l	5-23-07 0930

T= 1.6, 2.4, P.8

Sample Receipt Checklist

Client: Arcadis Cooler Inspected by/date: SLH / 5-23-07 Lot #: IE23019

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

Yes ☐	No ☑	NA ☐	1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?

Cooler temperature upon receipt 1-4 °C 2-4 °C 1-8 °C _____ °C _____ °C

Method: ☑ Temperature Blank ☐ Against Bottles

Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 13,14,15), an explanation/resolution must be provided.

Yes ☑	No ☐	NA ☐	3. Is the commercial courier's packing slip attached to this form?
Yes ☐	No ☑	NA ☐	4. Were proper custody procedures (relinquished/received) followed? by Fedex
Yes ☑	No ☐	NA ☐	5. Were sample IDs listed?
Yes ☑	No ☐	NA ☐	6. Was collection date & time listed?
Yes ☑	No ☐	NA ☐	7. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	8. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐	NA ☐	9. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐	NA ☐	10. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐	NA ☐	11. Was adequate sample volume available?
Yes ☑	No ☐	NA ☐	12. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑	NA ☐	13. Were any samples containers missing?
Yes ☐	No ☑	NA ☐	14. Were there any excess samples not listed on COC?
Yes ☐	No ☐	NA ☑	15. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	16. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	17. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	18. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	19. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving.

Sample(s)_____ were received with bubbles >6 mm in diameter.

Sample(s)_____ were received with TRC >0.2 mg/L for NH3/ TKN/cyanide/BNA/pest/PCB/herb.

Toxicity sample(s)_____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee:_____ Date of response: _____

Comments:

Subcontracted Data

CompuChem

a division of Liberty Analytical Corp.

11-Jun-07

LORIE CARLISLE
ARCADIS
801 CORPORATE CENTER DRIVE
SUITE 300
RALEIGH, NC 27607

Subject:
Report of Data-Project: CAMP LEJUENE Workorder: 13076

Attn.: LORIE CARLISLE

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem
A Division of Liberty Analytical

Attachment

TOTAL NUMBER

OF PAGES_____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Hsn	Client ID	Wordorder	Matrix	Account	Project	Report
1307601	MMRP06-IS01	13076	S	SHEALY	CAMP LEJUENE	
1307602	MMRP06-IS02	13076	S	SHEALY	CAMP LEJUENE	
1307603	MMRP06-IS03	13076	S	SHEALY	CAMP LEJUENE	
1307604	MMRP06-IS04	13076	S	SHEALY	CAMP LEJUENE	
1307605	MMRP06-IS05	13076	S	SHEALY	CAMP LEJUENE	
1307606	MMRP06-IS06	13076	S	SHEALY	CAMP LEJUENE	
1307607	MMRP06-IS07	13076	S	SHEALY	CAMP LEJUENE	
1307608	MMRP06-IS08	13076	S	SHEALY	CAMP LEJUENE	
1307609	MMRP06-IS09	13076	S	SHEALY	CAMP LEJUENE	
1307610	MMRP06-IS10	13076	S	SHEALY	CAMP LEJUENE	
1307611	MMRP06-IS11	13076	S	SHEALY	CAMP LEJUENE	

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS01

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

Matrix: (soil/water) SOIL Lab Sample ID: 1307601

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS02

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

Matrix: (soil/water) SOIL Lab Sample ID: 1307602

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS03

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

Matrix: (soil/water) SOIL Lab Sample ID: 1307603

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS04

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

Matrix: (soil/water) SOIL Lab Sample ID: 1307604

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS05

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

Matrix: (soil/water) SOIL Lab Sample ID: 1307605

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS06

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

Matrix: (soil/water) SOIL Lab Sample ID: 1307606

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS07

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

Matrix: (soil/water) SOIL Lab Sample ID: 1307607

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS08

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

Matrix: (soil/water) SOIL Lab Sample ID: 1307608

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/07/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS09

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

Matrix: (soil/water) SOIL Lab Sample ID: 1307609

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/07/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS10

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

Matrix: (soil/water) SOIL Lab Sample ID: 1307610

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/07/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS11

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

Matrix: (soil/water) SOIL Lab Sample ID: 1307611

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/07/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PWJLCS

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

Matrix: (soil/water) SOIL Lab Sample ID: 141091

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	1.7	
121-82-4	RDX	2.7	
99-35-4	1,3,5-Trinitrobenzene	1.3	
99-65-0	1,3-Dinitrobenzene	1.9	
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	1.8	
118-96-7	2,4,6-Trinitrotoluene	1.2	
35572-78-2	2-Amino-4,6-dinitrotoluene	3.0	
606-20-2	2,6-Dinitrotoluene	3.0	
121-14-2	2,4-Dinitrotoluene	1.9	
1946-51-0	4-Amino-2,6-dinitrotoluene	3.2	
88-72-2	2-Nitrotoluene	2.8	
99-99-0	4-Nitrotoluene	2.6	
99-08-1	3-Nitrotoluene	2.9	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PWJLCSD

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

Matrix: (soil/water) SOIL Lab Sample ID: 141092

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	1.7	
121-82-4	RDX	2.8	
99-35-4	1,3,5-Trinitrobenzene	1.8	
99-65-0	1,3-Dinitrobenzene	2.0	
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	2.0	
118-96-7	2,4,6-Trinitrotoluene	1.4	
35572-78-2	2-Amino-4,6-dinitrotoluene	3.1	
606-20-2	2,6-Dinitrotoluene	2.7	
121-14-2	2,4-Dinitrotoluene	1.8	
1946-51-0	4-Amino-2,6-dinitrotoluene	3.2	
88-72-2	2-Nitrotoluene	2.9	
99-99-0	4-Nitrotoluene	2.6	
99-08-1	3-Nitrotoluene	3.0	

FORM I PEST

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

GC Column(1): PINNACLE CYANO ID: 4.60 (mm) GC Column(2): C18 ID: 4.60

	EPA SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	S2 1 %REC #	S2 2 %REC #	S3 1 %REC #	S3 2 %REC #	TOT OUT
01	PBLKWJ	97	97					0
02	PWJLCS	92	97					0
03	PWJLCSD	96	98					0
04	MMRP06-IS08		94					0
05	MMRP06-IS09		97					0
06	MMRP06-IS10		97					0
07	MMRP06-IS11		94					0
08	MMRP06-IS01		96					0
09	MMRP06-IS02		96					0
10	MMRP06-IS03		97					0
11	MMRP06-IS04		97					0
12	MMRP06-IS05		227*					1
13	MMRP06-IS06		98					0
14	MMRP06-IS07		98					0
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY
QC LIMITS

S1 = 1,4-Dinitrobenzene (38-155)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

LCS ID: PWJLCS Matrix Spike - EPA Sample No.: PWJLCS

COMPOUND	SPIKE ADDED (mg/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC #	QC. LIMITS REC.
HMX	2.0		1.7	85	50-150
RDX	2.0		2.7	135	50-150
1,3,5-Trinitrobenzene	2.0		1.3	65	50-150
1,3-Dinitrobenzene	2.0		1.9	95	50-150
Tetryl	3.0		0.0	200*	50-150
Nitrobenzene	2.0		1.8	90	50-150
2,4,6-Trinitrotoluene	2.0		1.2	60	50-150
2-Amino-4,6-dinitrotolu	3.0		3.0	100	50-150
2,6-Dinitrotoluene	3.0		3.0	100	50-150
2,4-Dinitrotoluene	2.0		1.9	95	50-150
4-Amino-2,6-dinitrotolu	3.0		3.2	107	50-150
2-Nitrotoluene	3.0		2.8	93	50-150
4-Nitrotoluene	3.0		2.6	87	50-150
3-Nitrotoluene	3.0		2.9	97	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

LCS ID: PWJLCS Matrix Spike - EPA Sample No.: PWJLCS

COMPOUND	SPIKE ADDED (mg/Kg	LCSD CONCENTRATION (mg/Kg	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
HMX	2.0	1.7	85	0	30	50-150
RDX	2.0	2.8	140	4	30	50-150
1,3,5-Trinitrobenzene	2.0	1.8	90	32*	30	50-150
1,3-Dinitrobenzene	2.0	2.0	100	5	30	50-150
Tetryl	3.0	0.0	200*	0	30	50-150
Nitrobenzene	2.0	2.0	101	12	30	50-150
2,4,6-Trinitrotoluene	2.0	1.4	70	15	30	50-150
2-Amino-4,6-dinitrotolu	3.0	3.1	103	3	30	50-150
2,6-Dinitrotoluene	3.0	2.7	90	10	30	50-150
2,4-Dinitrotoluene	2.0	1.8	90	5	30	50-150
4-Amino-2,6-dinitrotolu	3.0	3.2	107	0	30	50-150
2-Nitrotoluene	3.0	2.9	97	4	30	50-150
4-Nitrotoluene	3.0	2.6	87	0	30	50-150
3-Nitrotoluene	3.0	3.0	100	3	30	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 14 outside limits
Spike Recovery: 2 out of 28 outside limits

COMMENTS: _____

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKWJ

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

Lab Sample ID: 141090 Lab File ID: 011Y141090

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) OTHER

Sulfur Cleanup (Y/N) N Date Extracted: 05/29/07

Date Analyzed (1): 06/05/07 Date Analyzed (2): 06/08/07

Time Analyzed (1): 2309 Time Analyzed (2): 1656

Instrument ID (1): A11002 Instrument ID (2): A11001

GC Column (1): PINNACLE CYANO ID: 4.60(mm) GC Column (2): C18 ID: 4.60

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PWJLCS	141091	06/06/07	06/08/07
02	PWJLCSD	141092	06/06/07	06/08/07
03	MMRP06-IS08	1307608		06/07/07
04	MMRP06-IS09	1307609		06/07/07
05	MMRP06-IS10	1307610		06/07/07
06	MMRP06-IS11	1307611		06/07/07
07	MMRP06-IS01	1307601		06/08/07
08	MMRP06-IS02	1307602		06/08/07
09	MMRP06-IS03	1307603		06/08/07
10	MMRP06-IS04	1307604		06/08/07
11	MMRP06-IS05	1307605		06/08/07
12	MMRP06-IS06	1307606		06/08/07
13	MMRP06-IS07	1307607		06/08/07
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

FORM IV PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKWJ

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13076

Matrix: (soil/water) SOIL Lab Sample ID: 141090

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

Subcontracted Data

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11-Jun-07

PAUL BIERY
SHEALY ENVIRONMENTAL SERVICES, INC.
106 VINATAGE POINT DRIVE

WEST COLUMBIA, SC 29172

Subject:
Report of Data-Project: CAMP LEJUENE Workorder: 13076

Attn.: PAUL BIERY

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem
A Division of Liberty Analytical

Attachment

TOTAL NUMBER
OF PAGES 1 of 18

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

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SAMPLE SUMMARY

Project: 13076
Project ID: CAMP LEJUENE

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1307601	MMRP06-IS01	Soil	5/22/2007 08:20	5/25/2007 12:47
1307602	MMRP06-IS02	Soil	5/22/2007 08:55	5/25/2007 12:47
1307603	MMRP06-IS03	Soil	5/22/2007 09:15	5/25/2007 12:47
1307604	MMRP06-IS04	Soil	5/22/2007 10:00	5/25/2007 12:47
1307605	MMRP06-IS05	Soil	5/22/2007 10:15	5/25/2007 12:47
1307606	MMRP06-IS06	Soil	5/22/2007 11:00	5/25/2007 12:47
1307607	MMRP06-IS07	Soil	5/22/2007 11:15	5/25/2007 12:47
1307608	MMRP06-IS08	Soil	5/22/2007 12:00	5/25/2007 12:47
1307609	MMRP06-IS09	Soil	5/22/2007 14:17	5/25/2007 12:47
1307610	MMRP06-IS10	Soil	5/22/2007 14:51	5/25/2007 12:47
1307611	MMRP06-IS11	Soil	5/22/2007 15:20	5/25/2007 12:47

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SAMPLE ANALYTE COUNT

Project: 13076
Project ID: CAMP LEJUENE

Lab ID	Sample ID	Method	Analytes Reported
1307601	MMRP06-IS01	% Solids	1
		EPA 314.0	1
1307602	MMRP06-IS02	% Solids	1
		EPA 314.0	1
1307603	MMRP06-IS03	% Solids	1
		EPA 314.0	1
1307604	MMRP06-IS04	% Solids	1
		EPA 314.0	1
1307605	MMRP06-IS05	% Solids	1
		EPA 314.0	1
1307606	MMRP06-IS06	% Solids	1
		EPA 314.0	1
1307607	MMRP06-IS07	% Solids	1
		EPA 314.0	1
1307608	MMRP06-IS08	% Solids	1
		EPA 314.0	1
1307609	MMRP06-IS09	% Solids	1
		EPA 314.0	1
1307610	MMRP06-IS10	% Solids	1
		EPA 314.0	1
1307611	MMRP06-IS11	% Solids	1
		EPA 314.0	1

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ANALYTICAL RESULTS

Project: 13076
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307601** Date Collected: 5/22/2007 08:20 Matrix: Soil
Sample ID: **MMRP06-IS01** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.09U	mg/kg	1.09	1	5/29/2007	EXTR	6/1/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	91.9	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13076
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307602** Date Collected: 5/22/2007 08:55 Matrix: Soil
Sample ID: **MMRP06-IS02** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.30U	mg/kg	1.30	1	5/29/2007	EXTR	6/5/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	77.2	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13076
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307603** Date Collected: 5/22/2007 09:15 Matrix: Soil
Sample ID: **MMRP06-IS03** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.06U	mg/kg	1.06	1	5/29/2007	EXTR	6/5/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	94.0	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13076
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID:	**1307604**	Date Collected:	5/22/2007 10:00	Matrix:	Soil
Sample ID:	**MMRP06-IS04**	Date Received:	5/25/2007 12:47		

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.22U	mg/kg	1.22	1	5/29/2007	EXTR	6/5/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	81.9	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13076
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307605** Date Collected: 5/22/2007 10:15 Matrix: Soil
Sample ID: **MMRP06-IS05** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.14U	mg/kg	1.14	1	5/29/2007	EXTR	6/5/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	88.0	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13076
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307606** Date Collected: 5/22/2007 11:00 Matrix: Soil
Sample ID: **MMRP06-IS06** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.25U	mg/kg	1.25	1	5/29/2007	EXTR	6/5/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	79.9	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13076
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307607** Date Collected: 5/22/2007 11:15 Matrix: Soil
Sample ID: **MMRP06-IS07** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.24U	mg/kg	1.24	1	5/29/2007	EXTR	6/5/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	80.5	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13076
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307608** Date Collected: 5/22/2007 12:00 Matrix: Soil
Sample ID: **MMRP06-IS08** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.17U	mg/kg	1.17	1	5/29/2007	EXTR	6/5/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	85.8	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13076
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307609** Date Collected: 5/22/2007 14:17 Matrix: Soil
Sample ID: **MMRP06-IS09** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.26U	mg/kg	1.26	1	5/29/2007	EXTR	6/5/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	79.7	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13076
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307610** Date Collected: 5/22/2007 14:51 Matrix: Soil
Sample ID: **MMRP06-IS10** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.28U	mg/kg	1.28	1	5/29/2007	EXTR	6/5/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	78.2	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13076
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307611** Date Collected: 5/22/2007 15:20 Matrix: Soil
Sample ID: **MMRP06-IS11** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.15U	mg/kg	1.15	1	5/29/2007	EXTR	6/5/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	87.3	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS QUALIFIERS

Project: 13076
Project ID: CAMP LEJUENE

PARAMETER QUALIFIERS

AFU/AFCEE U Flag Quant

AFJ/AFCEE J Flag Surrogates

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of extract, or moisture content

AFCEE J Flag Surrogates

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QUALITY CONTROL DATA

Project: 13076
Project ID: CAMP LEJUENE

QC Batch: WC/16135 Analysis Method: EPA 314.0
QC Batch Method: EPA 314.0 Analysis Description: Analytical procedure for 314.0
Associated Lab Samples: 1307601 1307602 1307603 1307604 1307605 1307606 1307607 1307608 1307609 1307610 1307611

METHOD BLANK: 141361

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Perchlorate	mg/kg	1.00U	1.00	

METHOD BLANK: 141364

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Perchlorate	mg/kg	1.00U	1.00	

LABORATORY CONTROL SAMPLE & LCSD: 141362 141363

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Perchlorate	mg/kg	25.0	24.1	26.5	96.5	106	80-120	9.52	20	

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QUALITY CONTROL DATA QUALIFIERS

Project: 13076
Project ID: CAMP LEJUENE

QUALITY CONTROL PARAMETER QUALIFIERS

Dilution factor shown represents the factor applied to the sample preparation, dilution of extract, or moisture content reported result and reporting limit due to changes in

LCS(D)/Laboratory Control Sample (Duplicate)

MS(D)/Matrix Spike (Duplicate)

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 13076
Project ID: CAMP LEJUENE

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1307601	MMRP06-IS01	% Solids	EXTR/11536		
1307602	MMRP06-IS02	% Solids	EXTR/11536		
1307603	MMRP06-IS03	% Solids	EXTR/11536		
1307604	MMRP06-IS04	% Solids	EXTR/11536		
1307605	MMRP06-IS05	% Solids	EXTR/11536		
1307606	MMRP06-IS06	% Solids	EXTR/11536		
1307607	MMRP06-IS07	% Solids	EXTR/11536		
1307608	MMRP06-IS08	% Solids	EXTR/11536		
1307609	MMRP06-IS09	% Solids	EXTR/11536		
1307610	MMRP06-IS10	% Solids	EXTR/11536		
1307611	MMRP06-IS11	% Solids	EXTR/11536		
1307601	MMRP06-IS01	EPA 314.0	EXTR/11537	EPA 314.0	WC/16135
1307602	MMRP06-IS02	EPA 314.0	EXTR/11537	EPA 314.0	WC/16135
1307603	MMRP06-IS03	EPA 314.0	EXTR/11537	EPA 314.0	WC/16135
1307604	MMRP06-IS04	EPA 314.0	EXTR/11537	EPA 314.0	WC/16135
1307605	MMRP06-IS05	EPA 314.0	EXTR/11537	EPA 314.0	WC/16135
1307606	MMRP06-IS06	EPA 314.0	EXTR/11537	EPA 314.0	WC/16135
1307607	MMRP06-IS07	EPA 314.0	EXTR/11537	EPA 314.0	WC/16135
1307608	MMRP06-IS08	EPA 314.0	EXTR/11537	EPA 314.0	WC/16135
1307609	MMRP06-IS09	EPA 314.0	EXTR/11537	EPA 314.0	WC/16135
1307610	MMRP06-IS10	EPA 314.0	EXTR/11537	EPA 314.0	WC/16135
1307611	MMRP06-IS11	EPA 314.0	EXTR/11537	EPA 314.0	WC/16135

REPORT OF LABORATORY ANALYSIS
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without the written consent of CompuChem a Division of Liberty Analytical Corp.

SHEALY *Chain of Custody Record*

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76056

Client	Report to Contact: Paul K. Birry	Telephone No. / Fax No. / E-mail: 803 791 9700	Quote No.
Address	Sampler's Signature: X	Waybill No.	Page 1 of 1
City / State / Zip Code	Printed Name	Analysis (Attach list if more space is needed.): Perchlorate, Explosive Residue	
Project Name			
Project No.	P.O. No.		Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	5035 Kit	Perchlorate	Explosive Residue	Remarks / Cooler I.D.
RE 23019-001	5/22/07	0820			✓		1						✓	✓	1307601
-002		0855			✓		1						✓	✓	1307602
-003		0915			✓		1						✓	✓	1307603
-004		1000			✓		1						✓	✓	1307604
-005		1015			✓		1						✓	✓	1307605
-006		1110			✓		1						✓	✓	1307606
-007		1115			✓		1						✓	✓	1307607
-008		1210			✓		1						✓	✓	1307608
-009		1417			✓		1						✓	✓	1307609
-010		1451			✓		1						✓	✓	1307610
-011		1520			✓		1						✓	✓	1307611

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☐ Rush (Specify)

QC Requirements (Specify):

1. Relinquished by: [signature]	Date: 5/24/07	Time: 1730	1. Received by: FEDEX	Date: 5/24/07	Time: 1730
2. Relinquished by	Date	Time	2. Received by: Jennifer Dover	Date: 5/25/07	Time: 9:15
3. Relinquished by	Date	Time	3. Laboratory received by	Date	Time

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack

Receipt Temp. 2.1 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

CompuChem

a division of Liberty Analytical Corp.

WORKORDER SUMMARY REPORT

Workorder: 13076 **Account:** SHEALY **Project:** CAMP LEJUENE
SDG-Case: CAMP **Status:** CLOSED **QC Type:** REPORT LCS/LCSD
Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1307601	MMRP06-IS01	5/22/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307602	MMRP06-IS02	5/22/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307603	MMRP06-IS03	5/22/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307604	MMRP06-IS04	5/22/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307605	MMRP06-IS05	5/22/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307606	MMRP06-IS06	5/22/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			

CompuChem

a division of Liberty Analytical Corp.

WORKORDER SUMMARY REPORT

Workorder: 13076 **Account:** SHEALY **Project:** CAMP LEJUENE

SDG-Case: CAMP **Status:** CLOSED **QC Type:** REPORT LCS/LCSD

Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307607	MMRP06-IS07	5/22/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307608	MMRP06-IS08	5/22/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307609	MMRP06-IS09	5/22/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307610	MMRP06-IS10	5/22/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307611	MMRP06-IS11	5/22/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			

Subcontracted Data

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

June 21, 2007 5:24:52PM

Client: Shealy Environmental Services (8677)
106 Vantage Point Drive
Cayce, SC 29033
Attn: Paul Biery

Work Order: NQE3354
Project Name: Shealy Environmental Services-SC
Project Nbr: [none]
P/O Nbr:
Date Received: 05/25/07

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MMRP06-IS01	NQE3354-01	05/22/07 08:20
MMRP06-IS02	NQE3354-02	05/22/07 08:55
MMRP06-IS03	NQE3354-03	05/22/07 09:15
MMRP06-IS04	NQE3354-04	05/22/07 10:00
MMRP06-IS05	NQE3354-05	05/22/07 10:15
MMRP06-IS06	NQE3354-06	05/22/07 11:00
MMRP06-IS07	NQE3354-07	05/22/07 11:15
MMRP06-IS08	NQE3354-08	05/22/07 12:00
MMRP06-IS09	NQE3354-09	05/22/07 14:17
MMRP06-IS10	NQE3354-10	05/22/07 14:51
MMRP06-IS11	NQE3354-11	05/22/07 15:20

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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South Carolina Certification Number: WW & S/HW cert - 84009001 DW cert - 84009002

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.
Estimated uncertainity is available upon request.
This report has been electronically signed.
Report Approved By:

Roxanne L. Connor

Roxanne Connor

Program Manager - Conventional Accounts

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3354
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQE3354-01 (MMRP06-IS01 - Soil) Sampled: 05/22/07 08:20								
General Chemistry Parameters								
% Dry Solids	**81.2**		%	0.500	1	06/04/07 01:57	SW-846	7060016
Extractable Organic Halides	**72.3**		mg/kg dry	61.6	1	06/19/07 16:30	SW846 9023	7063043
Sample ID: NQE3354-02 (MMRP06-IS02 - Soil) Sampled: 05/22/07 08:55								
General Chemistry Parameters								
% Dry Solids	**84.3**		%	0.500	1	06/04/07 01:57	SW-846	7060016
Extractable Organic Halides	ND		mg/kg dry	59.3	1	06/19/07 16:30	SW846 9023	7063043
Sample ID: NQE3354-03 (MMRP06-IS03 - Soil) Sampled: 05/22/07 09:15								
General Chemistry Parameters								
% Dry Solids	**94.1**		%	0.500	1	06/04/07 01:57	SW-846	7060016
Extractable Organic Halides	ND		mg/kg dry	53.1	1	06/19/07 16:30	SW846 9023	7063043
Sample ID: NQE3354-04 (MMRP06-IS04 - Soil) Sampled: 05/22/07 10:00								
General Chemistry Parameters								
% Dry Solids	**90.4**		%	0.500	1	06/04/07 01:57	SW-846	7060016
Extractable Organic Halides	ND		mg/kg dry	55.3	1	06/19/07 16:30	SW846 9023	7063043
Sample ID: NQE3354-05 (MMRP06-IS05 - Soil) Sampled: 05/22/07 10:15								
General Chemistry Parameters								
% Dry Solids	**86.0**		%	0.500	1	06/04/07 01:57	SW-846	7060016
Extractable Organic Halides	ND		mg/kg dry	58.1	1	06/19/07 16:30	SW846 9023	7063043
Sample ID: NQE3354-06 (MMRP06-IS06 - Soil) Sampled: 05/22/07 11:00								
General Chemistry Parameters								
% Dry Solids	**84.2**		%	0.500	1	06/04/07 01:57	SW-846	7060016
Extractable Organic Halides	ND		mg/kg dry	59.4	1	06/19/07 16:30	SW846 9023	7063043
Sample ID: NQE3354-07 (MMRP06-IS07 - Soil) Sampled: 05/22/07 11:15								
General Chemistry Parameters								
% Dry Solids	**78.6**		%	0.500	1	06/04/07 01:57	SW-846	7060016
Extractable Organic Halides	ND		mg/kg dry	63.6	1	06/19/07 16:30	SW846 9023	7063043
Sample ID: NQE3354-08 (MMRP06-IS08 - Soil) Sampled: 05/22/07 12:00								
General Chemistry Parameters								
% Dry Solids	**83.7**		%	0.500	1	06/04/07 01:57	SW-846	7060016
Extractable Organic Halides	ND		mg/kg dry	59.7	1	06/19/07 16:30	SW846 9023	7063043
Sample ID: NQE3354-09 (MMRP06-IS09 - Soil) Sampled: 05/22/07 14:17								
General Chemistry Parameters								
% Dry Solids	**79.1**		%	0.500	1	06/04/07 01:57	SW-846	7060016
Extractable Organic Halides	ND		mg/kg dry	63.2	1	06/19/07 16:30	SW846 9023	7063043

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3354
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQE3354-10 (MMRP06-IS10 - Soil) Sampled: 05/22/07 14:51								
General Chemistry Parameters								
% Dry Solids	**79.8**		%	0.500	1	06/04/07 01:57	SW-846	7060016
Extractable Organic Halides	ND		mg/kg dry	62.7	1	06/19/07 16:30	SW846 9023	7063043
Sample ID: NQE3354-11 (MMRP06-IS11 - Soil) Sampled: 05/22/07 15:20								
General Chemistry Parameters								
% Dry Solids	**90.9**		%	0.500	1	06/04/07 01:57	SW-846	7060016
Extractable Organic Halides	**60.4**		mg/kg dry	55.0	1	06/19/07 16:30	SW846 9023	7063043

TestAmerica
ANALYTICAL TESTING CORPORATION
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Client	Shealy Environmental Services (8677)	Work Order:	NQE3354
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
7063043-BLK1						
Extractable Organic Halides	<17.0		mg/kg wet	7063043	7063043-BLK1	06/19/07 16:30

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3354
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters									
7063043-DUP1									
Extractable Organic Halides	919	974		mg/kg wet	6	20	7063043	NQF1393-01	06/19/07 16:30

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3354
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
7063043-BS1								
Extractable Organic Halides	1000	1030		ug/mL	103%	90 - 113	7063043	06/19/07 16:30

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3354
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
General Chemistry Parameters										
7063043-MS1										
Extractable Organic Halides	37.2	879		ug/mL	1000	84%	61 - 141	7063043	NQE3118-01	06/19/07 16:30

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3354
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters												
7063043-MSD1												
Extractable Organic Halides	37.2	940		ug/mL	1000	90%	61 - 141	7	20	7063043	NQE3118-01	06/19/07 16:30

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3354
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	South Carolina
SW846 9023	Soil	N/A	X	
SW-846	Soil			

Client	Shealy Environmental Services (8677)	Work Order:	NQE3354
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

DATA QUALIFIERS AND DEFINITIONS

ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

ANALYTICAL TESTING CORPORATION
Nashville, TN

COOLER RECEIPT FORM

NQE3354

Cooler Received/Opened On: 5/25/07 @ 8:00

1. Tracking # 2760 (last 4 digits, FedEx)

Courier: FED EX IR Gun ID: 90942856

2. Temperature of rep. sample or temp blank when opened: 5.4 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: _____

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JR

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. on pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here _____

16. Is residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial). _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial). _____

I certify that I attached a label with the unique LIMS number to each container (initial). _____

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...# _____

BIS = Broken in shipment

End of Form

SHEALY *Chain of Custody Record*

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76057

Client	Report to Contact: Paul K. Biery	Telephone No. / Fax No. / E-mail: 803 791 9700	Quote No.
Address	Sampler's Signature	Waybill No.	Page 1 of 1
City / State / Zip Code	X_____ Printed Name	Analysis (Attach list if more space is needed.)	
Project Name			
Project No. / PO No.			Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	E-O-X	Remarks / Cooler I.D.
DE 23019-001	5/22/07	0820			✓		1						✓	-1
-002		0855			✓		1						✓	-2
-003		0915			✓		1						✓	-3
-004		1000			✓		1						✓	-4
-005		1015			✓		1						✓	-5
-006		1100			✓		1						✓	-6
-007		1115			✓		1						✓	-7
-008		1200			✓		1						✓	-8
-009		1417			✓		1						✓	-9
-010		1451			✓		1						✓	-10
-011		1520			✓		1						✓	-11

NQE3354
06/11/07 23:59

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☐ Rush (Specify)

QC Requirements (Specify)

1. Relinquished by: [signature]	Date: 5/24/07	Time: 1730	1. Received by: FEDEX	Date: 5/24/07	Time: 1730
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Laboratory received by: J. Hubert	Date: 5-25-07	Time: 0800
Comments			LAB USE ONLY: Received on ice (Circle) Yes No Ice Pack	Receipt Temp. 5.4 °C	

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s): PINK-Field/Client Copy

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

ARCADIS U.S., Inc.
801 Corporate Center Drive
Suite 300
Raleigh, NC 27607
Attention: Lorie Carlisle

Project Name: **ONWASA**

Lot Number: **IE24017**
Date Completed: **06/13/2007**

Paul Kim Biery
Project Manager

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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
ARCADIS U.S., Inc.
Lot Number: IE24017

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Pesticides
The result associated with sample -017 has a P qualifier for 4,4'DDD because the relative percent difference (RPD) between the two dissimilar phase GC columns exceeds 40%. In accordance with Section 7.10.4 of SW-846 method 8000B, the higher of the two results is reported. Due to the disparity of the two results, it is likely that the reported result is biased high, or may be a false positive.

The LCS associated with batch 58157 shows multiple compounds outside of the acceptance limits due to an analyst error during the concentration step of the extraction. The LCSD compounds passed within the required recovery limits. Due to the limited sample volume a re-extraction was not conducted.

GC/MS Volatiles
An unknown hydrocarbon pattern was assoicated with samples -001, -012, -016, and -017.

The LCSD associated with batch 58433 shows several compounds outside of the acceptance limits. The five compounds required for spiking, as outlined in SW846 5030B, all passed within the required recovery limits. The compounds that were outside of the recovery limits in this batch either failed marginally, or are demonstrated poor performers. There were no detections for any of these compounds in the samples associated with this batch.

The LCSD associated with batch 58590 shows methylcyclohexane outside of the acceptance limits. The five compounds required for spiking, as outlined in SW846 5030B, all passed within the required recovery limits. The compounds that were outside of the recovery limits in this batch either failed marginally, or are demonstrated poor performers. There were no detections for any of these compounds in the samples associated with this batch.

Metals
The MS/MSD associated with sample -004 had aluminum recover outside of the acceptance limits. The LCS/LCSD associated with this batch had aluminum recover within the required acceptance limits, therefore no corrective action was required.

The MS associated with sample -008 had aluminum recover outside of the acceptance limits. The LCS/LCSD associated with this batch had aluminum recover within the required acceptance limits, therefore no corrective action was required.

The MS associated with sample -001 had multiple elements recover outside of the acceptance limits. The LCS/LCSD associated with this batch had these elements recover within the required acceptance limits, therefore no corrective action was required.

Sample Summary
ARCADIS U.S., Inc.
Lot Number: IE24017

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MMRP06-IS12	Solid	05/23/2007 0800	05/24/2007
002	MMRP06-IS13	Solid	05/23/2007 0830	05/24/2007
003	MMRP06-IS14	Solid	05/23/2007 0900	05/24/2007
004	MMRP06-IS15	Solid	05/23/2007 0930	05/24/2007
005	MMRP06-IS16	Solid	05/23/2007 0940	05/24/2007
006	MMRP06-IS17	Solid	05/23/2007 1000	05/24/2007
007	MMRP06-IS18	Solid	05/23/2007 1030	05/24/2007
008	MMRP06-IS19	Solid	05/23/2007 1100	05/24/2007
009	MMRP06-IS20	Solid	05/23/2007 1130	05/24/2007
010	MMRP06-IS21	Solid	05/23/2007 1315	05/24/2007
011	MMRP06-IS22	Solid	05/23/2007 1345	05/24/2007
012	MMRP06-IS23	Solid	05/23/2007 1410	05/24/2007
013	MMRP06-Dup-1	Solid	05/23/2007	05/24/2007
014	MMRP06-Dup-2	Solid	05/23/2007	05/24/2007
015	MMRP06-IS24	Solid	05/23/2007 1430	05/24/2007
016	MMRP06-IS25	Solid	05/23/2007 1500	05/24/2007
017	MMRP06-IS26	Solid	05/23/2007 1530	05/24/2007
018	MMRP06-TW04	Aqueous	05/23/2007 1552	05/24/2007
019	MMRP06-TW06	Aqueous	05/23/2007 1600	05/24/2007
020	MMRP06-TWFD1	Aqueous	05/23/2007 1600	05/24/2007
021	MMRP06-Trip Blank 1	Aqueous	05/10/2007 1730	05/24/2007

(21 samples)

Executive Summary
ARCADIS U.S., Inc.
Lot Number: IE24017

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MMRP06-IS12	Solid	TOC	Walkley-Black	450		mg/kg	10
001	MMRP06-IS12	Solid	TPH-DRO	8015B	38000		ug/kg	17
001	MMRP06-IS12	Solid	Aluminum	6010B	7600		mg/kg	19
001	MMRP06-IS12	Solid	Arsenic	6010B	1.4		mg/kg	19
001	MMRP06-IS12	Solid	Barium	6010B	13		mg/kg	19
001	MMRP06-IS12	Solid	Calcium	6010B	920		mg/kg	19
001	MMRP06-IS12	Solid	Chromium	6010B	9.2		mg/kg	19
001	MMRP06-IS12	Solid	Copper	6010B	5.0		mg/kg	19
001	MMRP06-IS12	Solid	Iron	6010B	5500		mg/kg	19
001	MMRP06-IS12	Solid	Lead	6010B	15		mg/kg	19
001	MMRP06-IS12	Solid	Magnesium	6010B	520		mg/kg	19
001	MMRP06-IS12	Solid	Manganese	6010B	41		mg/kg	19
001	MMRP06-IS12	Solid	Nickel	6010B	2.7		mg/kg	19
001	MMRP06-IS12	Solid	Potassium	6010B	400		mg/kg	19
001	MMRP06-IS12	Solid	Vanadium	6010B	11		mg/kg	19
001	MMRP06-IS12	Solid	Zinc	6010B	20		mg/kg	19
002	MMRP06-IS13	Solid	Aluminum	6010B	7200		mg/kg	29
002	MMRP06-IS13	Solid	Arsenic	6010B	0.67		mg/kg	29
002	MMRP06-IS13	Solid	Barium	6010B	7.9		mg/kg	29
002	MMRP06-IS13	Solid	Chromium	6010B	6.5		mg/kg	29
002	MMRP06-IS13	Solid	Copper	6010B	1.1		mg/kg	29
002	MMRP06-IS13	Solid	Iron	6010B	1400		mg/kg	29
002	MMRP06-IS13	Solid	Lead	6010B	3.2		mg/kg	29
002	MMRP06-IS13	Solid	Manganese	6010B	7.5		mg/kg	29
002	MMRP06-IS13	Solid	Potassium	6010B	310		mg/kg	29
002	MMRP06-IS13	Solid	Vanadium	6010B	6.4		mg/kg	29
002	MMRP06-IS13	Solid	Zinc	6010B	24		mg/kg	29
003	MMRP06-IS14	Solid	Aluminum	6010B	15000		mg/kg	39
003	MMRP06-IS14	Solid	Arsenic	6010B	0.80		mg/kg	39
003	MMRP06-IS14	Solid	Barium	6010B	14		mg/kg	39
003	MMRP06-IS14	Solid	Chromium	6010B	13		mg/kg	39
003	MMRP06-IS14	Solid	Copper	6010B	2.2		mg/kg	39
003	MMRP06-IS14	Solid	Iron	6010B	2700		mg/kg	39
003	MMRP06-IS14	Solid	Lead	6010B	5.8		mg/kg	39
003	MMRP06-IS14	Solid	Magnesium	6010B	490		mg/kg	39
003	MMRP06-IS14	Solid	Manganese	6010B	13		mg/kg	39
003	MMRP06-IS14	Solid	Nickel	6010B	2.5		mg/kg	39
003	MMRP06-IS14	Solid	Potassium	6010B	780		mg/kg	39
003	MMRP06-IS14	Solid	Vanadium	6010B	12		mg/kg	39
003	MMRP06-IS14	Solid	Zinc	6010B	18		mg/kg	39
004	MMRP06-IS15	Solid	Aluminum	6010B	10000		mg/kg	49
004	MMRP06-IS15	Solid	Arsenic	6010B	1.0		mg/kg	49
004	MMRP06-IS15	Solid	Barium	6010B	11		mg/kg	49
004	MMRP06-IS15	Solid	Chromium	6010B	11		mg/kg	49
004	MMRP06-IS15	Solid	Copper	6010B	1.3		mg/kg	49

Executive Summary (Continued)

Lot Number: IE24017

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
004	MMRP06-IS15	Solid	Iron	6010B	2300		mg/kg	49
004	MMRP06-IS15	Solid	Lead	6010B	4.1		mg/kg	49
004	MMRP06-IS15	Solid	Magnesium	6010B	360		mg/kg	49
004	MMRP06-IS15	Solid	Manganese	6010B	8.9		mg/kg	49
004	MMRP06-IS15	Solid	Potassium	6010B	540		mg/kg	49
004	MMRP06-IS15	Solid	Vanadium	6010B	12		mg/kg	49
004	MMRP06-IS15	Solid	Zinc	6010B	25		mg/kg	49
005	MMRP06-IS16	Solid	TOC	Walkley-Black	210		mg/kg	50
005	MMRP06-IS16	Solid	Aluminum	6010B	12000		mg/kg	59
005	MMRP06-IS16	Solid	Arsenic	6010B	1.0		mg/kg	59
005	MMRP06-IS16	Solid	Barium	6010B	17		mg/kg	59
005	MMRP06-IS16	Solid	Chromium	6010B	12		mg/kg	59
005	MMRP06-IS16	Solid	Copper	6010B	1.7		mg/kg	59
005	MMRP06-IS16	Solid	Iron	6010B	3200		mg/kg	59
005	MMRP06-IS16	Solid	Lead	6010B	4.5		mg/kg	59
005	MMRP06-IS16	Solid	Magnesium	6010B	490		mg/kg	59
005	MMRP06-IS16	Solid	Manganese	6010B	12		mg/kg	59
005	MMRP06-IS16	Solid	Nickel	6010B	2.6		mg/kg	59
005	MMRP06-IS16	Solid	Potassium	6010B	520		mg/kg	59
005	MMRP06-IS16	Solid	Vanadium	6010B	15		mg/kg	59
005	MMRP06-IS16	Solid	Zinc	6010B	16		mg/kg	59
006	MMRP06-IS17	Solid	TOC	Walkley-Black	260		mg/kg	60
006	MMRP06-IS17	Solid	Aluminum	6010B	19000		mg/kg	69
006	MMRP06-IS17	Solid	Arsenic	6010B	0.90		mg/kg	69
006	MMRP06-IS17	Solid	Barium	6010B	22		mg/kg	69
006	MMRP06-IS17	Solid	Chromium	6010B	22		mg/kg	69
006	MMRP06-IS17	Solid	Copper	6010B	1.5		mg/kg	69
006	MMRP06-IS17	Solid	Iron	6010B	7000		mg/kg	69
006	MMRP06-IS17	Solid	Lead	6010B	7.8		mg/kg	69
006	MMRP06-IS17	Solid	Magnesium	6010B	770		mg/kg	69
006	MMRP06-IS17	Solid	Manganese	6010B	14		mg/kg	69
006	MMRP06-IS17	Solid	Nickel	6010B	3.2		mg/kg	69
006	MMRP06-IS17	Solid	Potassium	6010B	740		mg/kg	69
006	MMRP06-IS17	Solid	Vanadium	6010B	28		mg/kg	69
006	MMRP06-IS17	Solid	Zinc	6010B	15		mg/kg	69
007	MMRP06-IS18	Solid	TOC	Walkley-Black	490		mg/kg	70
007	MMRP06-IS18	Solid	Aluminum	6010B	9700		mg/kg	79
007	MMRP06-IS18	Solid	Barium	6010B	19		mg/kg	79
007	MMRP06-IS18	Solid	Chromium	6010B	9.5		mg/kg	79
007	MMRP06-IS18	Solid	Copper	6010B	1.4		mg/kg	79
007	MMRP06-IS18	Solid	Iron	6010B	3500		mg/kg	79
007	MMRP06-IS18	Solid	Lead	6010B	5.6		mg/kg	79
007	MMRP06-IS18	Solid	Magnesium	6010B	320		mg/kg	79
007	MMRP06-IS18	Solid	Manganese	6010B	15		mg/kg	79
007	MMRP06-IS18	Solid	Potassium	6010B	300		mg/kg	79
007	MMRP06-IS18	Solid	Vanadium	6010B	13		mg/kg	79
007	MMRP06-IS18	Solid	Zinc	6010B	10		mg/kg	79
008	MMRP06-IS19	Solid	TOC	Walkley-Black	300		mg/kg	80

Executive Summary (Continued)

Lot Number: IE24017

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
008	MMRP06-IS19	Solid	Aluminum	6010B	10000		mg/kg	89
008	MMRP06-IS19	Solid	Arsenic	6010B	0.79		mg/kg	89
008	MMRP06-IS19	Solid	Barium	6010B	14		mg/kg	89
008	MMRP06-IS19	Solid	Chromium	6010B	12		mg/kg	89
008	MMRP06-IS19	Solid	Copper	6010B	1.1		mg/kg	89
008	MMRP06-IS19	Solid	Iron	6010B	2500		mg/kg	89
008	MMRP06-IS19	Solid	Lead	6010B	4.3		mg/kg	89
008	MMRP06-IS19	Solid	Magnesium	6010B	420		mg/kg	89
008	MMRP06-IS19	Solid	Manganese	6010B	10		mg/kg	89
008	MMRP06-IS19	Solid	Potassium	6010B	590		mg/kg	89
008	MMRP06-IS19	Solid	Vanadium	6010B	13		mg/kg	89
008	MMRP06-IS19	Solid	Zinc	6010B	48		mg/kg	89
009	MMRP06-IS20	Solid	TOC	Walkley-Black	370		mg/kg	90
009	MMRP06-IS20	Solid	Acetone	8260B	120		ug/kg	91
009	MMRP06-IS20	Solid	Aluminum	6010B	15000		mg/kg	99
009	MMRP06-IS20	Solid	Arsenic	6010B	0.67		mg/kg	99
009	MMRP06-IS20	Solid	Barium	6010B	18		mg/kg	99
009	MMRP06-IS20	Solid	Calcium	6010B	980		mg/kg	99
009	MMRP06-IS20	Solid	Chromium	6010B	19		mg/kg	99
009	MMRP06-IS20	Solid	Copper	6010B	1.7		mg/kg	99
009	MMRP06-IS20	Solid	Iron	6010B	4000		mg/kg	99
009	MMRP06-IS20	Solid	Lead	6010B	7.3		mg/kg	99
009	MMRP06-IS20	Solid	Magnesium	6010B	700		mg/kg	99
009	MMRP06-IS20	Solid	Manganese	6010B	17		mg/kg	99
009	MMRP06-IS20	Solid	Nickel	6010B	3.2		mg/kg	99
009	MMRP06-IS20	Solid	Potassium	6010B	780		mg/kg	99
009	MMRP06-IS20	Solid	Vanadium	6010B	22		mg/kg	99
009	MMRP06-IS20	Solid	Zinc	6010B	15		mg/kg	99
010	MMRP06-IS21	Solid	TOC	Walkley-Black	280		mg/kg	100
010	MMRP06-IS21	Solid	Acetone	8260B	29		ug/kg	101
010	MMRP06-IS21	Solid	Aluminum	6010B	16000		mg/kg	109
010	MMRP06-IS21	Solid	Arsenic	6010B	1.0		mg/kg	109
010	MMRP06-IS21	Solid	Barium	6010B	16		mg/kg	109
010	MMRP06-IS21	Solid	Calcium	6010B	1900		mg/kg	109
010	MMRP06-IS21	Solid	Chromium	6010B	19		mg/kg	109
010	MMRP06-IS21	Solid	Copper	6010B	1.8		mg/kg	109
010	MMRP06-IS21	Solid	Iron	6010B	5100		mg/kg	109
010	MMRP06-IS21	Solid	Lead	6010B	6.4		mg/kg	109
010	MMRP06-IS21	Solid	Magnesium	6010B	660		mg/kg	109
010	MMRP06-IS21	Solid	Manganese	6010B	15		mg/kg	109
010	MMRP06-IS21	Solid	Nickel	6010B	3.2		mg/kg	109
010	MMRP06-IS21	Solid	Potassium	6010B	790		mg/kg	109
010	MMRP06-IS21	Solid	Vanadium	6010B	21		mg/kg	109
010	MMRP06-IS21	Solid	Zinc	6010B	12		mg/kg	109
011	MMRP06-IS22	Solid	TOC	Walkley-Black	640		mg/kg	110
011	MMRP06-IS22	Solid	Aluminum	6010B	18000		mg/kg	119
011	MMRP06-IS22	Solid	Arsenic	6010B	2.1		mg/kg	119
011	MMRP06-IS22	Solid	Barium	6010B	23		mg/kg	119

Executive Summary (Continued)

Lot Number: IE24017

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
011	MMRP06-IS22	Solid	Calcium	6010B	290		mg/kg	119
011	MMRP06-IS22	Solid	Chromium	6010B	22		mg/kg	119
011	MMRP06-IS22	Solid	Copper	6010B	2.2		mg/kg	119
011	MMRP06-IS22	Solid	Iron	6010B	8000		mg/kg	119
011	MMRP06-IS22	Solid	Lead	6010B	7.7		mg/kg	119
011	MMRP06-IS22	Solid	Magnesium	6010B	760		mg/kg	119
011	MMRP06-IS22	Solid	Manganese	6010B	15		mg/kg	119
011	MMRP06-IS22	Solid	Nickel	6010B	4.1		mg/kg	119
011	MMRP06-IS22	Solid	Potassium	6010B	830		mg/kg	119
011	MMRP06-IS22	Solid	Vanadium	6010B	30		mg/kg	119
011	MMRP06-IS22	Solid	Zinc	6010B	24		mg/kg	119
012	MMRP06-IS23	Solid	TOC	Walkley-Black	320		mg/kg	120
012	MMRP06-IS23	Solid	TPH-DRO	8015B	25000		ug/kg	127
012	MMRP06-IS23	Solid	Aluminum	6010B	13000		mg/kg	129
012	MMRP06-IS23	Solid	Arsenic	6010B	1.5		mg/kg	129
012	MMRP06-IS23	Solid	Barium	6010B	20		mg/kg	129
012	MMRP06-IS23	Solid	Calcium	6010B	12000		mg/kg	129
012	MMRP06-IS23	Solid	Chromium	6010B	15		mg/kg	129
012	MMRP06-IS23	Solid	Copper	6010B	1.8		mg/kg	129
012	MMRP06-IS23	Solid	Iron	6010B	5500		mg/kg	129
012	MMRP06-IS23	Solid	Lead	6010B	5.5		mg/kg	129
012	MMRP06-IS23	Solid	Magnesium	6010B	660		mg/kg	129
012	MMRP06-IS23	Solid	Manganese	6010B	31		mg/kg	129
012	MMRP06-IS23	Solid	Nickel	6010B	4.4		mg/kg	129
012	MMRP06-IS23	Solid	Potassium	6010B	680		mg/kg	129
012	MMRP06-IS23	Solid	Vanadium	6010B	19		mg/kg	129
012	MMRP06-IS23	Solid	Zinc	6010B	41		mg/kg	129
013	MMRP06-Dup-1	Solid	Acetone	8260B	20		ug/kg	130
015	MMRP06-IS24	Solid	Aluminum	6010B	17000		mg/kg	143
015	MMRP06-IS24	Solid	Arsenic	6010B	3.6		mg/kg	143
015	MMRP06-IS24	Solid	Barium	6010B	17		mg/kg	143
015	MMRP06-IS24	Solid	Chromium	6010B	20		mg/kg	143
015	MMRP06-IS24	Solid	Copper	6010B	15		mg/kg	143
015	MMRP06-IS24	Solid	Iron	6010B	8500		mg/kg	143
015	MMRP06-IS24	Solid	Lead	6010B	7.9		mg/kg	143
015	MMRP06-IS24	Solid	Magnesium	6010B	610		mg/kg	143
015	MMRP06-IS24	Solid	Manganese	6010B	12		mg/kg	143
015	MMRP06-IS24	Solid	Nickel	6010B	3.3		mg/kg	143
015	MMRP06-IS24	Solid	Potassium	6010B	750		mg/kg	143
015	MMRP06-IS24	Solid	Silver	6010B	0.31		mg/kg	143
015	MMRP06-IS24	Solid	Vanadium	6010B	24		mg/kg	143
015	MMRP06-IS24	Solid	Zinc	6010B	22		mg/kg	143
016	MMRP06-IS25	Solid	TOC	Walkley-Black	2700		mg/kg	144
016	MMRP06-IS25	Solid	Acetone	8260B	32		ug/kg	145
016	MMRP06-IS25	Solid	Endrin ketone	8081A	3.5		ug/kg	150
016	MMRP06-IS25	Solid	TPH-DRO	8015B	13000		ug/kg	151
016	MMRP06-IS25	Solid	Aluminum	6010B	6700		mg/kg	153
016	MMRP06-IS25	Solid	Barium	6010B	13		mg/kg	153

Executive Summary (Continued)

Lot Number: IE24017

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
016	MMRP06-IS25	Solid	Calcium	6010B	37000		mg/kg	153
016	MMRP06-IS25	Solid	Chromium	6010B	13		mg/kg	153
016	MMRP06-IS25	Solid	Cobalt	6010B	1.8		mg/kg	153
016	MMRP06-IS25	Solid	Copper	6010B	2.8		mg/kg	153
016	MMRP06-IS25	Solid	Iron	6010B	3100		mg/kg	153
016	MMRP06-IS25	Solid	Lead	6010B	5.7		mg/kg	153
016	MMRP06-IS25	Solid	Magnesium	6010B	780		mg/kg	153
016	MMRP06-IS25	Solid	Manganese	6010B	70		mg/kg	153
016	MMRP06-IS25	Solid	Nickel	6010B	7.8		mg/kg	153
016	MMRP06-IS25	Solid	Potassium	6010B	470		mg/kg	153
016	MMRP06-IS25	Solid	Vanadium	6010B	9.5		mg/kg	153
016	MMRP06-IS25	Solid	Zinc	6010B	35		mg/kg	153
017	MMRP06-IS26	Solid	TOC	Walkley-Black	1800		mg/kg	154
017	MMRP06-IS26	Solid	gamma-BHC (Lindane)	8081A	41		ug/kg	160
017	MMRP06-IS26	Solid	4,4'-DDD	8081A	5.8	P	ug/kg	160
017	MMRP06-IS26	Solid	Heptachlor epoxide	8081A	27		ug/kg	160
017	MMRP06-IS26	Solid	TPH-DRO	8015B	15000		ug/kg	161
017	MMRP06-IS26	Solid	Aluminum	6010B	6100		mg/kg	163
017	MMRP06-IS26	Solid	Arsenic	6010B	4.0		mg/kg	163
017	MMRP06-IS26	Solid	Barium	6010B	12		mg/kg	163
017	MMRP06-IS26	Solid	Beryllium	6010B	0.26		mg/kg	163
017	MMRP06-IS26	Solid	Cadmium	6010B	0.36		mg/kg	163
017	MMRP06-IS26	Solid	Calcium	6010B	180000		mg/kg	163
017	MMRP06-IS26	Solid	Chromium	6010B	15		mg/kg	163
017	MMRP06-IS26	Solid	Cobalt	6010B	6.4		mg/kg	163
017	MMRP06-IS26	Solid	Copper	6010B	4.2		mg/kg	163
017	MMRP06-IS26	Solid	Iron	6010B	5500		mg/kg	163
017	MMRP06-IS26	Solid	Lead	6010B	7.4		mg/kg	163
017	MMRP06-IS26	Solid	Magnesium	6010B	3000		mg/kg	163
017	MMRP06-IS26	Solid	Manganese	6010B	320		mg/kg	163
017	MMRP06-IS26	Solid	Nickel	6010B	23		mg/kg	163
017	MMRP06-IS26	Solid	Potassium	6010B	1300		mg/kg	163
017	MMRP06-IS26	Solid	Vanadium	6010B	12		mg/kg	163
017	MMRP06-IS26	Solid	Zinc	6010B	25		mg/kg	163
018	MMRP06-TW04	Aqueous	TOC	415.1	6.0		mg/L	164
018	MMRP06-TW04	Aqueous	Aluminum	6010B	290		mg/L	172
018	MMRP06-TW04	Aqueous	Arsenic	6010B	0.026		mg/L	172
018	MMRP06-TW04	Aqueous	Barium	6010B	0.48		mg/L	172
018	MMRP06-TW04	Aqueous	Cadmium	6010B	0.0039		mg/L	172
018	MMRP06-TW04	Aqueous	Calcium	6010B	32		mg/L	172
018	MMRP06-TW04	Aqueous	Chromium	6010B	0.37		mg/L	172
018	MMRP06-TW04	Aqueous	Copper	6010B	0.048		mg/L	172
018	MMRP06-TW04	Aqueous	Iron	6010B	120		mg/L	172
018	MMRP06-TW04	Aqueous	Lead	6010B	0.11		mg/L	172
018	MMRP06-TW04	Aqueous	Magnesium	6010B	12		mg/L	172
018	MMRP06-TW04	Aqueous	Manganese	6010B	0.23		mg/L	172
018	MMRP06-TW04	Aqueous	Mercury	7470A	0.00044		mg/L	172
018	MMRP06-TW04	Aqueous	Nickel	6010B	0.098		mg/L	172

Executive Summary (Continued)

Lot Number: IE24017

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
018	MMRP06-TW04	Aqueous	Potassium	6010B	12		mg/L	172
018	MMRP06-TW04	Aqueous	Sodium	6010B	7.4		mg/L	172
018	MMRP06-TW04	Aqueous	Vanadium	6010B	0.39		mg/L	172
018	MMRP06-TW04	Aqueous	Zinc	6010B	0.13		mg/L	172
019	MMRP06-TW06	Aqueous	TOC	415.1	3.2		mg/L	173
019	MMRP06-TW06	Aqueous	Aluminum	6010B	14		mg/L	181
019	MMRP06-TW06	Aqueous	Barium	6010B	0.079		mg/L	181
019	MMRP06-TW06	Aqueous	Chromium	6010B	0.020		mg/L	181
019	MMRP06-TW06	Aqueous	Iron	6010B	4.0		mg/L	181
019	MMRP06-TW06	Aqueous	Manganese	6010B	0.033		mg/L	181
019	MMRP06-TW06	Aqueous	Sodium	6010B	9.0		mg/L	181

(248 detections)

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS12**
Date Sampled: **05/23/2007 0800**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-001**
Matrix: **Solid**
% Solids: **91.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0821	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/29/2007 1857	KLW		58416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.55	mg/kg	1
TOC		**Walkley-Black**	**450**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS12**
Date Sampled: **05/23/2007 0800**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-001**
Matrix: **Solid**
% Solids: **91.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1545	CMS		58353	6.46

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		17	ug/kg	1
Benzene	71-43-2	8260B	ND		4.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.2	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		8.5	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.2	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.2	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.2	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.2	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		8.5	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.2	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.2	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		8.5	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.2	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.2	ug/kg	1
Styrene	100-42-5	8260B	ND		4.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.2	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.2	ug/kg	1
Toluene	108-88-3	8260B	ND		4.2	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.2	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.2	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.2	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS12**
Date Sampled: **05/23/2007 0800**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-001**
Matrix: **Solid**
% Solids: **91.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1545	CMS		58353	6.46

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		4.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	53-142
Bromofluorobenzene		105	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE24017-001**
Description: **MMRP06-IS12**
Matrix: **Solid**
Date Sampled: **05/23/2007 0800**
% Solids: **91.0** **05/24/2007 2224**
Date Received: **05/24/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1143	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		360	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		360	ug/kg	1
Acetophenone	98-86-2	8270C	ND		360	ug/kg	1
Anthracene	120-12-7	8270C	ND		360	ug/kg	1
Atrazine	1912-24-9	8270C	ND		360	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		910	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		360	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		360	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		360	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		360	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		360	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		360	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		360	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		360	ug/kg	1
Caprolactam	105-60-2	8270C	ND		910	ug/kg	1
Carbazole	86-74-8	8270C	ND		360	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		360	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		360	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		360	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		360	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		360	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		360	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		360	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		360	ug/kg	1
Chrysene	218-01-9	8270C	ND		360	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		360	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		360	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		360	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		360	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		910	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		360	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		360	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		360	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		360	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		910	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		910	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		360	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		360	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		360	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		360	ug/kg	1
Fluorene	86-73-7	8270C	ND		360	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		360	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		360	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		910	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		360	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		360	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS12**
Date Sampled: **05/23/2007 0800**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-001**
Matrix: **Solid**
% Solids: **91.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1143	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		360	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		360	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		360	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		740	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		360	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		360	ug/kg	1
Naphthalene	91-20-3	8270C	ND		360	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		360	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		360	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		360	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		360	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		360	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		910	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		910	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		360	ug/kg	1
Phenol	108-95-2	8270C	ND		360	ug/kg	1
Pyrene	129-00-0	8270C	ND		360	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		360	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		360	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		68	30-117
2-Fluorobiphenyl		76	33-102
2-Fluorophenol		79	28-104
Nitrobenzene-d5		79	22-109
Phenol-d5		82	27-103
Terphenyl-d14		78	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS12**
Date Sampled: **05/23/2007 0800**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-001**
Matrix: **Solid**
% Solids: **91.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/31/2007 0106	NWD	05/29/2007 0957	58344

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		102	50-130
Tetrachloro-m-xylene		99	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS12**
Date Sampled: **05/23/2007 0800**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-001**
Matrix: **Solid**
% Solids: **91.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/04/2007 1825	LH	05/29/2007 0957	58345

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		1.9	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		1.9	ug/kg	1
beta-BHC	319-85-7	8081A	ND		1.9	ug/kg	1
delta-BHC	319-86-8	8081A	ND		1.9	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		1.9	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		1.9	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		1.9	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		1.9	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		1.9	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		1.9	ug/kg	1
Dieldrin	60-57-1	8081A	ND		1.9	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		1.9	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		1.9	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		1.9	ug/kg	1
Endrin	72-20-8	8081A	ND		1.9	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		1.9	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		1.9	ug/kg	1
Heptachlor	76-44-8	8081A	ND		1.9	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		1.9	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.4	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		91	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		87	50-130
Tetrachloro-m-xylene		87	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**	Laboratory ID: **IE24017-001**
Description: **MMRP06-IS12**	Matrix: **Solid**
Date Sampled: **05/23/2007 0800**	% Solids: **91.0** **05/24/2007 2224**
Date Received: **05/24/2007**	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/01/2007 2244	NCM	05/28/2007 1044	58286

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		**8015B**	**38000**		**7400**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		87	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**	Laboratory ID: **IE24017-001**
Description: **MMRP06-IS12**	Matrix: **Solid**
Date Sampled: **05/23/2007 0800**	% Solids: **91.0** **05/24/2007 2224**
Date Received: **05/24/2007**	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 1618	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		4700	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		74	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS12**
Date Sampled: **05/23/2007 0800**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-001**
Matrix: **Solid**
% Solids: **91.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1440	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/02/2007 0400	MNM	05/30/2007 1300	58690
2	3050B	6010B	1	06/04/2007 1730	KJC	05/30/2007 1300	58690

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**7600**		**11**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.55	mg/kg	2
Arsenic	**7440-38-2**	**6010B**	**1.4**		**0.55**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**13**		**1.4**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.22	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.11	mg/kg	1
Calcium	**7440-70-2**	**6010B**	**920**		**270**	**mg/kg**	**1**
Chromium	**7440-47-3**	**6010B**	**9.2**		**0.27**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.4	mg/kg	1
Copper	**7440-50-8**	**6010B**	**5.0**		**0.27**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**5500**		**5.5**	**mg/kg**	**2**
Lead	**7439-92-1**	**6010B**	**15**		**0.55**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**520**		**270**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**41**		**0.82**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.091	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**2.7**		**2.2**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**400**		**270**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.55	mg/kg	1
Silver	7440-22-4	6010B	ND		0.27	mg/kg	1
Sodium	7440-23-5	6010B	ND		270	mg/kg	1
Thallium	7440-28-0	6010B	ND		2.7	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**11**		**2.7**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**20**		**2.7**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS13**
Date Sampled: **05/23/2007 0830**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-002**
Matrix: **Solid**
% Solids: **89.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0822	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/29/2007 1857	KLW		58416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.56	mg/kg	1
TOC		Walkley-Black	ND		200	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS13**
Date Sampled: **05/23/2007 0830**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-002**
Matrix: **Solid**
% Solids: **89.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1609	CMS		58353	4.70

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		24	ug/kg	1
Benzene	71-43-2	8260B	ND		6.0	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.0	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.0	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.0	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.0	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.0	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.0	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.0	ug/kg	1
Styrene	100-42-5	8260B	ND		6.0	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.0	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.0	ug/kg	1
Toluene	108-88-3	8260B	ND		6.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.0	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.0	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS13**
Date Sampled: **05/23/2007 0830**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-002**
Matrix: **Solid**
% Solids: **89.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1609	CMS		58353	4.70

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		6.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	53-142
Bromofluorobenzene		106	47-138
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS13**
Date Sampled: **05/23/2007 0830**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-002**
Matrix: **Solid**
% Solids: **89.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1247	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		370	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		370	ug/kg	1
Acetophenone	98-86-2	8270C	ND		370	ug/kg	1
Anthracene	120-12-7	8270C	ND		370	ug/kg	1
Atrazine	1912-24-9	8270C	ND		370	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		930	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		370	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		370	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		370	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		370	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		370	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		370	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		370	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		370	ug/kg	1
Caprolactam	105-60-2	8270C	ND		930	ug/kg	1
Carbazole	86-74-8	8270C	ND		370	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		370	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		370	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		370	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		370	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		370	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		370	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		370	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		370	ug/kg	1
Chrysene	218-01-9	8270C	ND		370	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		370	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		370	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		370	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		370	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		930	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		370	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		370	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		370	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		370	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		930	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		930	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		370	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		370	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		370	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		370	ug/kg	1
Fluorene	86-73-7	8270C	ND		370	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		370	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		370	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		930	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		370	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		370	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS13**
Date Sampled: **05/23/2007 0830**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-002**
Matrix: **Solid**
% Solids: **89.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1247	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		370	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		370	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		370	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		750	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		370	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		370	ug/kg	1
Naphthalene	91-20-3	8270C	ND		370	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		370	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		370	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		370	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		370	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		370	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		930	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		930	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		370	ug/kg	1
Phenol	108-95-2	8270C	ND		370	ug/kg	1
Pyrene	129-00-0	8270C	ND		370	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		370	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		370	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		78	30-117
2-Fluorobiphenyl		77	33-102
2-Fluorophenol		60	28-104
Nitrobenzene-d5		80	22-109
Phenol-d5		88	27-103
Terphenyl-d14		85	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS13**
Date Sampled: **05/23/2007 0830**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-002**
Matrix: **Solid**
% Solids: **89.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/31/2007 0118	NWD	05/29/2007 0957	58344

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		98	50-130
Tetrachloro-m-xylene		81	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS13**
Date Sampled: **05/23/2007 0830**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-002**
Matrix: **Solid**
% Solids: **89.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/04/2007 1840	LH	05/29/2007 0957	58345

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		1.9	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		1.9	ug/kg	1
beta-BHC	319-85-7	8081A	ND		1.9	ug/kg	1
delta-BHC	319-86-8	8081A	ND		1.9	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		1.9	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		1.9	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		1.9	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		1.9	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		1.9	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		1.9	ug/kg	1
Dieldrin	60-57-1	8081A	ND		1.9	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		1.9	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		1.9	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		1.9	ug/kg	1
Endrin	72-20-8	8081A	ND		1.9	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		1.9	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		1.9	ug/kg	1
Heptachlor	76-44-8	8081A	ND		1.9	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		1.9	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.5	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		93	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		84	50-130
Tetrachloro-m-xylene		75	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS13**
Date Sampled: **05/23/2007 0830**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-002**
Matrix: **Solid**
% Solids: **89.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/01/2007 2310	NCM	05/28/2007 1044	58286

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		7500	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		83	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS13**
Date Sampled: **05/23/2007 0830**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-002**
Matrix: **Solid**
% Solids: **89.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 1643	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5900	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		69	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS13**
Date Sampled: **05/23/2007 0830**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-002**
Matrix: **Solid**
% Solids: **89.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1446	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/02/2007 0412	MNM	05/30/2007 1300	58690
2	3050B	6010B	1	06/04/2007 1744	KJC	05/30/2007 1300	58690

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**7200**		**11**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.56	mg/kg	2
Arsenic	**7440-38-2**	**6010B**	**0.67**		**0.56**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**7.9**		**1.4**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.22	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.11	mg/kg	1
Calcium	7440-70-2	6010B	ND		280	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**6.5**		**0.28**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.4	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.1**		**0.28**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**1400**		**5.6**	**mg/kg**	**2**
Lead	**7439-92-1**	**6010B**	**3.2**		**0.56**	**mg/kg**	**1**
Magnesium	7439-95-4	6010B	ND		280	mg/kg	1
Manganese	**7439-96-5**	**6010B**	**7.5**		**0.84**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.093	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.2	mg/kg	1
Potassium	**7440-09-7**	**6010B**	**310**		**280**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.56	mg/kg	1
Silver	7440-22-4	6010B	ND		0.28	mg/kg	1
Sodium	7440-23-5	6010B	ND		280	mg/kg	1
Thallium	7440-28-0	6010B	ND		2.8	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**6.4**		**2.8**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**24**		**2.8**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS14**
Date Sampled: **05/23/2007 0900**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-003**
Matrix: **Solid**
% Solids: **81.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0823	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/29/2007 1857	KLW		58416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.61	mg/kg	1
TOC		Walkley-Black	ND		200	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE24017-003**
Description: **MMRP06-IS14**
Matrix: **Solid**
Date Sampled: **05/23/2007 0900**
% Solids: **81.3** **05/24/2007 2224**
Date Received: **05/24/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1632	CMS		58353	5.02

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		24	ug/kg	1
Benzene	71-43-2	8260B	ND		6.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.1	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.1	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.1	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.1	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.1	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.1	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.1	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.1	ug/kg	1
Styrene	100-42-5	8260B	ND		6.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.1	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.1	ug/kg	1
Toluene	108-88-3	8260B	ND		6.1	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.1	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.1	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS14**
Date Sampled: **05/23/2007 0900**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-003**
Matrix: **Solid**
% Solids: **81.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1632	CMS		58353	5.02

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		6.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	53-142
Bromofluorobenzene		105	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS14**
Date Sampled: **05/23/2007 0900**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-003**
Matrix: **Solid**
% Solids: **81.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1309	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		400	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		400	ug/kg	1
Acetophenone	98-86-2	8270C	ND		400	ug/kg	1
Anthracene	120-12-7	8270C	ND		400	ug/kg	1
Atrazine	1912-24-9	8270C	ND		400	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1000	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		400	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		400	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		400	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		400	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		400	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		400	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		400	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		400	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1000	ug/kg	1
Carbazole	86-74-8	8270C	ND		400	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		400	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		400	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		400	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		400	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		400	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		400	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		400	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		400	ug/kg	1
Chrysene	218-01-9	8270C	ND		400	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		400	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		400	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		400	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		400	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		400	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		400	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		400	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		400	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		400	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		400	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		400	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		400	ug/kg	1
Fluorene	86-73-7	8270C	ND		400	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		400	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		400	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		400	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		400	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS14**
Date Sampled: **05/23/2007 0900**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-003**
Matrix: **Solid**
% Solids: **81.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1309	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		400	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		400	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		400	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		820	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		400	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		400	ug/kg	1
Naphthalene	91-20-3	8270C	ND		400	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		400	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		400	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		400	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		400	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		400	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		400	ug/kg	1
Phenol	108-95-2	8270C	ND		400	ug/kg	1
Pyrene	129-00-0	8270C	ND		400	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		400	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		400	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		72	30-117
2-Fluorobiphenyl		75	33-102
2-Fluorophenol		79	28-104
Nitrobenzene-d5		74	22-109
Phenol-d5		85	27-103
Terphenyl-d14		80	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS14**
Date Sampled: **05/23/2007 0900**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-003**
Matrix: **Solid**
% Solids: **81.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/31/2007 0130	NWD	05/29/2007 0957	58344

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		21	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		21	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		21	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		21	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		21	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		21	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		99	50-130
Tetrachloro-m-xylene		87	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS14**
Date Sampled: **05/23/2007 0900**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-003**
Matrix: **Solid**
% Solids: **81.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/04/2007 1856	LH	05/29/2007 0957	58345

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.1	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.1	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.1	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.1	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.1	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.1	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.1	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.1	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.1	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.1	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.1	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.1	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.1	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.1	ug/kg	1
Endrin	72-20-8	8081A	ND		2.1	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.1	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.1	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.1	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.1	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.2	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		82	50-130
Tetrachloro-m-xylene		79	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS14**
Date Sampled: **05/23/2007 0900**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-003**
Matrix: **Solid**
% Solids: **81.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/01/2007 2336	NCM	05/28/2007 1044	58286

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		8200	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		93	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS14**
Date Sampled: **05/23/2007 0900**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-003**
Matrix: **Solid**
% Solids: **81.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 1708	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		6200	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		71	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS14**
Date Sampled: **05/23/2007 0900**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-003**
Matrix: **Solid**
% Solids: **81.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1447	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/04/2007 2233	KJC	05/28/2007 1721	58333

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**15000**		**12**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.61	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**0.80**		**0.61**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**14**		**1.6**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.24	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.12	mg/kg	1
Calcium	7440-70-2	6010B	ND		310	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**13**		**0.31**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.6	mg/kg	1
Copper	**7440-50-8**	**6010B**	**2.2**		**0.31**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**2700**		**6.1**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**5.8**		**0.61**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**490**		**310**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**13**		**0.92**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.10	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**2.5**		**2.4**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**780**		**310**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.61	mg/kg	1
Silver	7440-22-4	6010B	ND		0.31	mg/kg	1
Sodium	7440-23-5	6010B	ND		310	mg/kg	1
Thallium	7440-28-0	6010B	ND		3.1	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**12**		**3.1**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**18**		**3.1**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS15**
Date Sampled: **05/23/2007 0930**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-004**
Matrix: **Solid**
% Solids: **89.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0824	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/29/2007 1857	KLW		58416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.56	mg/kg	1
TOC		Walkley-Black	ND		200	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS15**
Date Sampled: **05/23/2007 0930**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-004**
Matrix: **Solid**
% Solids: **89.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1656	CMS		58353	5.97

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		19	ug/kg	1
Benzene	71-43-2	8260B	ND		4.7	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.7	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.7	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.7	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.7	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.7	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.7	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.7	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.7	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.7	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.7	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.7	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.7	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.7	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.7	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.7	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.4	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.7	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.7	ug/kg	1
Styrene	100-42-5	8260B	ND		4.7	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.7	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.7	ug/kg	1
Toluene	108-88-3	8260B	ND		4.7	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.7	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.7	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.7	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.7	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.7	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS15**
Date Sampled: **05/23/2007 0930**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-004**
Matrix: **Solid**
% Solids: **89.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1656	CMS		58353	5.97

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		4.7	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	53-142
Bromofluorobenzene		105	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS15**
Date Sampled: **05/23/2007 0930**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-004**
Matrix: **Solid**
% Solids: **89.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1331	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		370	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		370	ug/kg	1
Acetophenone	98-86-2	8270C	ND		370	ug/kg	1
Anthracene	120-12-7	8270C	ND		370	ug/kg	1
Atrazine	1912-24-9	8270C	ND		370	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		930	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		370	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		370	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		370	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		370	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		370	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		370	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		370	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		370	ug/kg	1
Caprolactam	105-60-2	8270C	ND		930	ug/kg	1
Carbazole	86-74-8	8270C	ND		370	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		370	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		370	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		370	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		370	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		370	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		370	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		370	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		370	ug/kg	1
Chrysene	218-01-9	8270C	ND		370	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		370	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		370	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		370	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		370	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		930	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		370	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		370	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		370	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		370	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		930	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		930	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		370	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		370	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		370	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		370	ug/kg	1
Fluorene	86-73-7	8270C	ND		370	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		370	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		370	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		930	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		370	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		370	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS15**
Date Sampled: **05/23/2007 0930**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-004**
Matrix: **Solid**
% Solids: **89.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1331	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		370	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		370	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		370	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		750	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		370	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		370	ug/kg	1
Naphthalene	91-20-3	8270C	ND		370	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		370	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		370	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		370	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		370	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		370	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		930	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		930	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		370	ug/kg	1
Phenol	108-95-2	8270C	ND		370	ug/kg	1
Pyrene	129-00-0	8270C	ND		370	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		370	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		370	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		71	30-117
2-Fluorobiphenyl		77	33-102
2-Fluorophenol		80	28-104
Nitrobenzene-d5		77	22-109
Phenol-d5		82	27-103
Terphenyl-d14		79	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS15**
Date Sampled: **05/23/2007 0930**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-004**
Matrix: **Solid**
% Solids: **89.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/31/2007 0142	NWD	05/29/2007 0957	58344

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		96	50-130
Tetrachloro-m-xylene		75	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS15**
Date Sampled: **05/23/2007 0930**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-004**
Matrix: **Solid**
% Solids: **89.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/04/2007 1912	LH	05/29/2007 0957	58345

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		1.9	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		1.9	ug/kg	1
beta-BHC	319-85-7	8081A	ND		1.9	ug/kg	1
delta-BHC	319-86-8	8081A	ND		1.9	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		1.9	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		1.9	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		1.9	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		1.9	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		1.9	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		1.9	ug/kg	1
Dieldrin	60-57-1	8081A	ND		1.9	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		1.9	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		1.9	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		1.9	ug/kg	1
Endrin	72-20-8	8081A	ND		1.9	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		1.9	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		1.9	ug/kg	1
Heptachlor	76-44-8	8081A	ND		1.9	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		1.9	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.5	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		93	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		84	50-130
Tetrachloro-m-xylene		72	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS15**
Date Sampled: **05/23/2007 0930**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-004**
Matrix: **Solid**
% Solids: **89.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/02/2007 0002	NCM	05/28/2007 1044	58286

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		7500	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		92	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS15**
Date Sampled: **05/23/2007 0930**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-004**
Matrix: **Solid**
% Solids: **89.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 1733	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5300	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		73	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS15**
Date Sampled: **05/23/2007 0930**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-004**
Matrix: **Solid**
% Solids: **89.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1448	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/04/2007 2240	KJC	05/28/2007 1721	58333

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**10000**		**11**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.56	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**1.0**		**0.56**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**11**		**1.4**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.22	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.11	mg/kg	1
Calcium	7440-70-2	6010B	ND		280	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**11**		**0.28**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.4	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.3**		**0.28**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**2300**		**5.6**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**4.1**		**0.56**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**360**		**280**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**8.9**		**0.84**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.093	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.2	mg/kg	1
Potassium	**7440-09-7**	**6010B**	**540**		**280**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.56	mg/kg	1
Silver	7440-22-4	6010B	ND		0.28	mg/kg	1
Sodium	7440-23-5	6010B	ND		280	mg/kg	1
Thallium	7440-28-0	6010B	ND		2.8	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**12**		**2.8**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**25**		**2.8**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS16**
Date Sampled: **05/23/2007 0940**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-005**
Matrix: **Solid**
% Solids: **78.7** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0825	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/29/2007 1857	KLW		58416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.64	mg/kg	1
TOC		**Walkley-Black**	**210**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS16**
Date Sampled: **05/23/2007 0940**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-005**
Matrix: **Solid**
% Solids: **78.7** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1719	CMS		58353	6.56

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		19	ug/kg	1
Benzene	71-43-2	8260B	ND		4.8	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.8	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.7	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.8	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.8	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.8	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.8	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.8	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.8	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.8	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.8	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.8	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.8	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.7	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.8	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.8	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.8	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.7	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.8	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.8	ug/kg	1
Styrene	100-42-5	8260B	ND		4.8	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.8	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.8	ug/kg	1
Toluene	108-88-3	8260B	ND		4.8	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.8	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.8	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.8	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.8	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE24017-005**
Description: **MMRP06-IS16**
Matrix: **Solid**
Date Sampled: **05/23/2007 0940**
% Solids: **78.7** **05/24/2007 2224**
Date Received: **05/24/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1719	CMS		58353	6.56

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		4.8	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS16**
Date Sampled: **05/23/2007 0940**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-005**
Matrix: **Solid**
% Solids: **78.7** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1352	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		420	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		420	ug/kg	1
Acetophenone	98-86-2	8270C	ND		420	ug/kg	1
Anthracene	120-12-7	8270C	ND		420	ug/kg	1
Atrazine	1912-24-9	8270C	ND		420	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1000	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		420	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		420	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		420	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		420	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		420	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		420	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		420	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		420	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1000	ug/kg	1
Carbazole	86-74-8	8270C	ND		420	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		420	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		420	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		420	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		420	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		420	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		420	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		420	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		420	ug/kg	1
Chrysene	218-01-9	8270C	ND		420	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		420	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		420	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		420	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		420	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		420	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		420	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		420	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		420	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		420	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		420	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		420	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		420	ug/kg	1
Fluorene	86-73-7	8270C	ND		420	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		420	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		420	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		420	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		420	ug/kg	1

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ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS16**
Date Sampled: **05/23/2007 0940**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-005**
Matrix: **Solid**
% Solids: **78.7** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1352	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		420	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		420	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		420	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		850	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		420	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		420	ug/kg	1
Naphthalene	91-20-3	8270C	ND		420	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		420	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		420	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		420	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		420	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		420	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		420	ug/kg	1
Phenol	108-95-2	8270C	ND		420	ug/kg	1
Pyrene	129-00-0	8270C	ND		420	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		420	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		420	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		68	30-117
2-Fluorobiphenyl		67	33-102
2-Fluorophenol		69	28-104
Nitrobenzene-d5		66	22-109
Phenol-d5		72	27-103
Terphenyl-d14		77	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS16**
Date Sampled: **05/23/2007 0940**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-005**
Matrix: **Solid**
% Solids: **78.7** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/31/2007 0154	NWD	05/29/2007 0957	58344

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		22	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		22	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		22	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		22	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		22	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		22	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		94	50-130
Tetrachloro-m-xylene		73	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS16**
Date Sampled: **05/23/2007 0940**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-005**
Matrix: **Solid**
% Solids: **78.7** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/04/2007 1928	LH	05/29/2007 0957	58345

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.2	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.2	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.2	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.2	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.2	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.2	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.2	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.2	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.2	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.2	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.2	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.2	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.2	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.2	ug/kg	1
Endrin	72-20-8	8081A	ND		2.2	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.2	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.2	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.2	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.2	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.5	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		82	50-130
Tetrachloro-m-xylene		70	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS16**
Date Sampled: **05/23/2007 0940**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-005**
Matrix: **Solid**
% Solids: **78.7** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/02/2007 0028	NCM	05/28/2007 1044	58286

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		8500	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		87	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS16**
Date Sampled: **05/23/2007 0940**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-005**
Matrix: **Solid**
% Solids: **78.7** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 1758	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		4700	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		74	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS16**
Date Sampled: **05/23/2007 0940**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-005**
Matrix: **Solid**
% Solids: **78.7** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1449	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/04/2007 2322	KJC	05/28/2007 1721	58333

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**12000**		**13**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.64	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**1.0**		**0.64**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**17**		**1.6**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.25	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.13	mg/kg	1
Calcium	7440-70-2	6010B	ND		320	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**12**		**0.32**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.6	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.7**		**0.32**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**3200**		**6.4**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**4.5**		**0.64**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**490**		**320**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**12**		**0.95**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.10	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**2.6**		**2.5**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**520**		**320**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.64	mg/kg	1
Silver	7440-22-4	6010B	ND		0.32	mg/kg	1
Sodium	7440-23-5	6010B	ND		320	mg/kg	1
Thallium	7440-28-0	6010B	ND		3.2	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**15**		**3.2**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**16**		**3.2**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS17**
Date Sampled: **05/23/2007 1000**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-006**
Matrix: **Solid**
% Solids: **86.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0825	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/29/2007 1857	KLW		58416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.58	mg/kg	1
TOC		**Walkley-Black**	**260**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS17**
Date Sampled: **05/23/2007 1000**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-006**
Matrix: **Solid**
% Solids: **86.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0208	CMS		58433	4.52

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		26	ug/kg	1
Benzene	71-43-2	8260B	ND		6.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.4	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.4	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.4	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.4	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.4	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.4	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.4	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.4	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.4	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.4	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.4	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.4	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.4	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.4	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.4	ug/kg	1
Styrene	100-42-5	8260B	ND		6.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.4	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.4	ug/kg	1
Toluene	108-88-3	8260B	ND		6.4	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.4	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.4	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.4	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.4	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS17**
Date Sampled: **05/23/2007 1000**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-006**
Matrix: **Solid**
% Solids: **86.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0208	CMS		58433	4.52

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		6.4	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		103	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS17**
Date Sampled: **05/23/2007 1000**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-006**
Matrix: **Solid**
% Solids: **86.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1414	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	ug/kg	1
Acetophenone	98-86-2	8270C	ND		380	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	ug/kg	1
Atrazine	1912-24-9	8270C	ND		380	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		960	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		380	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	ug/kg	1
Caprolactam	105-60-2	8270C	ND		960	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		960	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		960	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		960	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		960	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS17**
Date Sampled: **05/23/2007 1000**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-006**
Matrix: **Solid**
% Solids: **86.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1414	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		380	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		380	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		780	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		380	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		960	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		960	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	ug/kg	1
Phenol	108-95-2	8270C	ND		380	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		65	30-117
2-Fluorobiphenyl		75	33-102
2-Fluorophenol		81	28-104
Nitrobenzene-d5		72	22-109
Phenol-d5		88	27-103
Terphenyl-d14		80	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS17**
Date Sampled: **05/23/2007 1000**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-006**
Matrix: **Solid**
% Solids: **86.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/31/2007 0206	NWD	05/29/2007 0957	58344

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		94	50-130
Tetrachloro-m-xylene		73	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS17**
Date Sampled: **05/23/2007 1000**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-006**
Matrix: **Solid**
% Solids: **86.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/04/2007 1944	LH	05/29/2007 0957	58345

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.0	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.0	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.0	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.0	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.0	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.0	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.0	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.0	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.0	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.0	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.0	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.0	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.0	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.0	ug/kg	1
Endrin	72-20-8	8081A	ND		2.0	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.0	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.0	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.0	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.0	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.8	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		96	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		85	50-130
Tetrachloro-m-xylene		72	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS17**
Date Sampled: **05/23/2007 1000**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-006**
Matrix: **Solid**
% Solids: **86.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/02/2007 0054	NCM	05/28/2007 1044	58286

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		7800	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		89	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS17**
Date Sampled: **05/23/2007 1000**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-006**
Matrix: **Solid**
% Solids: **86.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 1823	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		4800	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		80	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS17**
Date Sampled: **05/23/2007 1000**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-006**
Matrix: **Solid**
% Solids: **86.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1451	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/04/2007 2329	KJC	05/28/2007 1721	58333
2	3050B	6010B	1	06/05/2007 1049	MNM	05/28/2007 1721	58333

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**19000**		**12**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.58	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**0.90**		**0.58**	**mg/kg**	**2**
Barium	**7440-39-3**	**6010B**	**22**		**1.5**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.23	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.12	mg/kg	1
Calcium	7440-70-2	6010B	ND		290	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**22**		**0.29**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.5	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.5**		**0.29**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**7000**		**5.8**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**7.8**		**0.58**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**770**		**290**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**14**		**0.87**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.096	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**3.2**		**2.3**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**740**		**290**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.58	mg/kg	1
Silver	7440-22-4	6010B	ND		0.29	mg/kg	1
Sodium	7440-23-5	6010B	ND		290	mg/kg	1
Thallium	7440-28-0	6010B	ND		2.9	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**28**		**2.9**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**15**		**2.9**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS18**
Date Sampled: **05/23/2007 1030**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-007**
Matrix: **Solid**
% Solids: **83.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0829	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/29/2007 1857	KLW		58416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.60	mg/kg	1
TOC		**Walkley-Black**	**490**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS18**
Date Sampled: **05/23/2007 1030**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-007**
Matrix: **Solid**
% Solids: **83.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1836	CMS		58353	6.46

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		18	ug/kg	1
Benzene	71-43-2	8260B	ND		4.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.6	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.6	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.6	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.6	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.6	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.6	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.6	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.6	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.6	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.6	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.6	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.2	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.6	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.6	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.6	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.6	ug/kg	1
Styrene	100-42-5	8260B	ND		4.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.6	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.6	ug/kg	1
Toluene	108-88-3	8260B	ND		4.6	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.6	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.6	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.6	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.6	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS18**
Date Sampled: **05/23/2007 1030**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-007**
Matrix: **Solid**
% Solids: **83.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1836	CMS		58353	6.46

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		4.6	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS18**
Date Sampled: **05/23/2007 1030**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-007**
Matrix: **Solid**
% Solids: **83.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1435	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		390	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		390	ug/kg	1
Acetophenone	98-86-2	8270C	ND		390	ug/kg	1
Anthracene	120-12-7	8270C	ND		390	ug/kg	1
Atrazine	1912-24-9	8270C	ND		390	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		990	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		390	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		390	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		390	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		390	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		390	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		390	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		390	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		390	ug/kg	1
Caprolactam	105-60-2	8270C	ND		990	ug/kg	1
Carbazole	86-74-8	8270C	ND		390	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		390	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		390	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		390	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		390	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		390	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		390	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		390	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		390	ug/kg	1
Chrysene	218-01-9	8270C	ND		390	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		390	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		390	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		390	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		390	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		990	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		390	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		390	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		390	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		390	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		990	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		990	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		390	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		390	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		390	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		390	ug/kg	1
Fluorene	86-73-7	8270C	ND		390	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		390	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		390	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		990	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		390	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		390	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS18**
Date Sampled: **05/23/2007 1030**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-007**
Matrix: **Solid**
% Solids: **83.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1435	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		390	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		390	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		390	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		800	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		390	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		390	ug/kg	1
Naphthalene	91-20-3	8270C	ND		390	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		390	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		390	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		390	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		390	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		390	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		990	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		990	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		390	ug/kg	1
Phenol	108-95-2	8270C	ND		390	ug/kg	1
Pyrene	129-00-0	8270C	ND		390	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		390	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		390	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		76	30-117
2-Fluorobiphenyl		77	33-102
2-Fluorophenol		82	28-104
Nitrobenzene-d5		73	22-109
Phenol-d5		88	27-103
Terphenyl-d14		82	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS18**
Date Sampled: **05/23/2007 1030**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-007**
Matrix: **Solid**
% Solids: **83.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/31/2007 0218	NWD	05/29/2007 0957	58344

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		96	50-130
Tetrachloro-m-xylene		77	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS18**
Date Sampled: **05/23/2007 1030**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-007**
Matrix: **Solid**
% Solids: **83.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/04/2007 2000	LH	05/29/2007 0957	58345

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.0	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.0	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.0	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.0	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.0	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.0	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.0	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.0	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.0	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.0	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.0	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.0	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.0	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.0	ug/kg	1
Endrin	72-20-8	8081A	ND		2.0	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.0	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.0	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.0	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.0	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.0	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		99	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		86	50-130
Tetrachloro-m-xylene		74	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS18**
Date Sampled: **05/23/2007 1030**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-007**
Matrix: **Solid**
% Solids: **83.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/02/2007 0120	NCM	05/28/2007 1044	58286

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		8000	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		90	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS18**
Date Sampled: **05/23/2007 1030**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-007**
Matrix: **Solid**
% Solids: **83.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 1848	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		4800	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		69	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS18**
Date Sampled: **05/23/2007 1030**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-007**
Matrix: **Solid**
% Solids: **83.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1452	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/04/2007 2336	KJC	05/28/2007 1721	58333
2	3050B	6010B	1	06/05/2007 1056	MNM	05/28/2007 1721	58333

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**9700**		**12**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.60	mg/kg	1
Arsenic	7440-38-2	6010B	ND		0.60	mg/kg	2
Barium	**7440-39-3**	**6010B**	**19**		**1.5**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.24	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.12	mg/kg	1
Calcium	7440-70-2	6010B	ND		300	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**9.5**		**0.30**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.5	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.4**		**0.30**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**3500**		**6.0**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**5.6**		**0.60**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**320**		**300**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**15**		**0.89**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.099	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.4	mg/kg	1
Potassium	**7440-09-7**	**6010B**	**300**		**300**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.60	mg/kg	1
Silver	7440-22-4	6010B	ND		0.30	mg/kg	1
Sodium	7440-23-5	6010B	ND		300	mg/kg	1
Thallium	7440-28-0	6010B	ND		3.0	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**13**		**3.0**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**10**		**3.0**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS19**
Date Sampled: **05/23/2007 1100**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-008**
Matrix: **Solid**
% Solids: **90.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0830	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/29/2007 1857	KLW		58416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.55	mg/kg	1
TOC		**Walkley-Black**	**300**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS19**
Date Sampled: **05/23/2007 1100**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-008**
Matrix: **Solid**
% Solids: **90.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1923	CMS		58353	5.99

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		18	ug/kg	1
Benzene	71-43-2	8260B	ND		4.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.6	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.2	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.6	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.6	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.6	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.6	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.6	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.6	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.6	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.6	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.6	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.6	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.2	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.6	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.6	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.6	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.2	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.6	ug/kg	1
Styrene	100-42-5	8260B	ND		4.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.6	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.6	ug/kg	1
Toluene	108-88-3	8260B	ND		4.6	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.6	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.6	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.6	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.6	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS19**
Date Sampled: **05/23/2007 1100**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-008**
Matrix: **Solid**
% Solids: **90.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1923	CMS		58353	5.99

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		4.6	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		110	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS19**
Date Sampled: **05/23/2007 1100**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-008**
Matrix: **Solid**
% Solids: **90.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1457	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		360	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		360	ug/kg	1
Acetophenone	98-86-2	8270C	ND		360	ug/kg	1
Anthracene	120-12-7	8270C	ND		360	ug/kg	1
Atrazine	1912-24-9	8270C	ND		360	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		910	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		360	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		360	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		360	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		360	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		360	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		360	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		360	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		360	ug/kg	1
Caprolactam	105-60-2	8270C	ND		910	ug/kg	1
Carbazole	86-74-8	8270C	ND		360	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		360	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		360	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		360	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		360	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		360	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		360	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		360	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		360	ug/kg	1
Chrysene	218-01-9	8270C	ND		360	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		360	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		360	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		360	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		360	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		910	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		360	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		360	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		360	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		360	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		910	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		910	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		360	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		360	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		360	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		360	ug/kg	1
Fluorene	86-73-7	8270C	ND		360	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		360	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		360	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		910	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		360	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		360	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS19**
Date Sampled: **05/23/2007 1100**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-008**
Matrix: **Solid**
% Solids: **90.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1457	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		360	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		360	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		360	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		740	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		360	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		360	ug/kg	1
Naphthalene	91-20-3	8270C	ND		360	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		360	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		360	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		360	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		360	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		360	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		910	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		910	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		360	ug/kg	1
Phenol	108-95-2	8270C	ND		360	ug/kg	1
Pyrene	129-00-0	8270C	ND		360	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		360	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		360	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		65	30-117
2-Fluorobiphenyl		72	33-102
2-Fluorophenol		75	28-104
Nitrobenzene-d5		67	22-109
Phenol-d5		78	27-103
Terphenyl-d14		79	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS19**
Date Sampled: **05/23/2007 1100**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-008**
Matrix: **Solid**
% Solids: **90.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/31/2007 0230	NWD	05/29/2007 0957	58344

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		98	50-130
Tetrachloro-m-xylene		83	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS19**
Date Sampled: **05/23/2007 1100**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-008**
Matrix: **Solid**
% Solids: **90.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/04/2007 2016	LH	05/29/2007 0957	58345

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		1.9	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		1.9	ug/kg	1
beta-BHC	319-85-7	8081A	ND		1.9	ug/kg	1
delta-BHC	319-86-8	8081A	ND		1.9	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		1.9	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		1.9	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		1.9	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		1.9	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		1.9	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		1.9	ug/kg	1
Dieldrin	60-57-1	8081A	ND		1.9	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		1.9	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		1.9	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		1.9	ug/kg	1
Endrin	72-20-8	8081A	ND		1.9	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		1.9	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		1.9	ug/kg	1
Heptachlor	76-44-8	8081A	ND		1.9	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		1.9	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.4	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		91	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		88	50-130
Tetrachloro-m-xylene		83	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS19**
Date Sampled: **05/23/2007 1100**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-008**
Matrix: **Solid**
% Solids: **90.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/02/2007 0146	NCM	05/28/2007 1044	58286

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		7400	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		91	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS19**
Date Sampled: **05/23/2007 1100**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-008**
Matrix: **Solid**
% Solids: **90.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 1913	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		4600	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		67	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS19**
Date Sampled: **05/23/2007 1100**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-008**
Matrix: **Solid**
% Solids: **90.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1454	FLW	05/26/2007 1702	58261
1	3050B	6010B	1	06/04/2007 2343	KJC	05/28/2007 1721	58333
2	3050B	6010B	1	06/05/2007 1102	MNM	05/28/2007 1721	58333

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**10000**		**11**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.55	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**0.79**		**0.55**	**mg/kg**	**2**
Barium	**7440-39-3**	**6010B**	**14**		**1.4**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.22	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.11	mg/kg	1
Calcium	7440-70-2	6010B	ND		280	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**12**		**0.28**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.4	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.1**		**0.28**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**2500**		**5.5**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**4.3**		**0.55**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**420**		**280**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**10**		**0.82**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.091	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.2	mg/kg	1
Potassium	**7440-09-7**	**6010B**	**590**		**280**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.55	mg/kg	1
Silver	7440-22-4	6010B	ND		0.28	mg/kg	1
Sodium	7440-23-5	6010B	ND		280	mg/kg	1
Thallium	7440-28-0	6010B	ND		2.8	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**13**		**2.8**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**48**		**2.8**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS20**
Date Sampled: **05/23/2007 1130**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-009**
Matrix: **Solid**
% Solids: **83.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0831	BMG	05/29/2007 0930	58411
1		(TOC) Walkley-Black	1	05/29/2007 1857	KLW		58416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.60	mg/kg	1
TOC		**Walkley-Black**	**370**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS20**
Date Sampled: **05/23/2007 1130**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-009**
Matrix: **Solid**
% Solids: **83.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1946	CMS		58353	6.35

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	**67-64-1**	**8260B**	**120**		**19**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		4.7	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.7	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.7	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.7	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.7	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.7	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.7	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.7	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.7	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.7	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.7	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.7	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.7	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.7	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.7	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.7	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.4	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.7	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.7	ug/kg	1
Styrene	100-42-5	8260B	ND		4.7	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.7	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.7	ug/kg	1
Toluene	108-88-3	8260B	ND		4.7	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.7	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.7	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.7	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.7	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.7	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS20**
Date Sampled: **05/23/2007 1130**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-009**
Matrix: **Solid**
% Solids: **83.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 1946	CMS		58353	6.35

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		4.7	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS20**
Date Sampled: **05/23/2007 1130**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-009**
Matrix: **Solid**
% Solids: **83.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1519	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		400	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		400	ug/kg	1
Acetophenone	98-86-2	8270C	ND		400	ug/kg	1
Anthracene	120-12-7	8270C	ND		400	ug/kg	1
Atrazine	1912-24-9	8270C	ND		400	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1000	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		400	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		400	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		400	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		400	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		400	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		400	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		400	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		400	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1000	ug/kg	1
Carbazole	86-74-8	8270C	ND		400	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		400	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		400	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		400	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		400	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		400	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		400	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		400	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		400	ug/kg	1
Chrysene	218-01-9	8270C	ND		400	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		400	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		400	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		400	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		400	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		400	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		400	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		400	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		400	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		400	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		400	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		400	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		400	ug/kg	1
Fluorene	86-73-7	8270C	ND		400	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		400	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		400	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		400	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		400	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS20**
Date Sampled: **05/23/2007 1130**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-009**
Matrix: **Solid**
% Solids: **83.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1519	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		400	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		400	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		400	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		800	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		400	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		400	ug/kg	1
Naphthalene	91-20-3	8270C	ND		400	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		400	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		400	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		400	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		400	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		400	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		400	ug/kg	1
Phenol	108-95-2	8270C	ND		400	ug/kg	1
Pyrene	129-00-0	8270C	ND		400	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		400	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		400	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		74	30-117
2-Fluorobiphenyl		74	33-102
2-Fluorophenol		80	28-104
Nitrobenzene-d5		71	22-109
Phenol-d5		83	27-103
Terphenyl-d14		86	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS20**
Date Sampled: **05/23/2007 1130**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-009**
Matrix: **Solid**
% Solids: **83.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/31/2007 0242	NWD	05/29/2007 0957	58344

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		95	50-130
Tetrachloro-m-xylene		68	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS20**
Date Sampled: **05/23/2007 1130**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-009**
Matrix: **Solid**
% Solids: **83.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/04/2007 2032	LH	05/29/2007 0957	58345

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.0	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.0	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.0	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.0	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.0	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.0	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.0	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.0	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.0	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.0	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.0	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.0	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.0	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.0	ug/kg	1
Endrin	72-20-8	8081A	ND		2.0	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.0	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.0	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.0	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.0	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.0	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		87	50-130
Tetrachloro-m-xylene		64	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS20**
Date Sampled: **05/23/2007 1130**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-009**
Matrix: **Solid**
% Solids: **83.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/02/2007 0212	NCM	05/28/2007 1044	58286

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		8000	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		84	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS20**
Date Sampled: **05/23/2007 1130**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-009**
Matrix: **Solid**
% Solids: **83.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 1938	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		77	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS20**
Date Sampled: **05/23/2007 1130**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-009**
Matrix: **Solid**
% Solids: **83.3** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1506	FLW	05/26/2007 1702	58262
1	3050B	6010B	1	06/04/2007 2357	KJC	05/28/2007 1721	58333
2	3050B	6010B	1	06/05/2007 1114	MNM	05/28/2007 1721	58333

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**15000**		**12**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.60	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**0.67**		**0.60**	**mg/kg**	**2**
Barium	**7440-39-3**	**6010B**	**18**		**1.6**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.24	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.12	mg/kg	1
Calcium	**7440-70-2**	**6010B**	**980**		**300**	**mg/kg**	**1**
Chromium	**7440-47-3**	**6010B**	**19**		**0.30**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.6	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.7**		**0.30**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**4000**		**6.0**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**7.3**		**0.60**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**700**		**300**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**17**		**0.90**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.10	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**3.2**		**2.4**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**780**		**300**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.60	mg/kg	1
Silver	7440-22-4	6010B	ND		0.30	mg/kg	1
Sodium	7440-23-5	6010B	ND		300	mg/kg	1
Thallium	7440-28-0	6010B	ND		3.0	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**22**		**3.0**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**15**		**3.0**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS21**
Date Sampled: **05/23/2007 1315**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-010**
Matrix: **Solid**
% Solids: **86.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0836	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/29/2007 1857	KLW		58416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.58	mg/kg	1
TOC		**Walkley-Black**	**280**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS21**
Date Sampled: **05/23/2007 1315**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-010**
Matrix: **Solid**
% Solids: **86.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 2010	CMS		58353	7.00

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	**67-64-1**	**8260B**	**29**		**16**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		4.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.1	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		8.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.1	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.1	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.1	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		8.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.1	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.1	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		8.3	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.1	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.1	ug/kg	1
Styrene	100-42-5	8260B	ND		4.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.1	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.1	ug/kg	1
Toluene	108-88-3	8260B	ND		4.1	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.1	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.1	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE24017-010**
Description: **MMRP06-IS21**
Matrix: **Solid**
Date Sampled: **05/23/2007 1315**
% Solids: **86.4** **05/24/2007 2224**
Date Received: **05/24/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 2010	CMS		58353	7.00

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		4.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		111	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS21**
Date Sampled: **05/23/2007 1315**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-010**
Matrix: **Solid**
% Solids: **86.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1541	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	ug/kg	1
Acetophenone	98-86-2	8270C	ND		380	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	ug/kg	1
Atrazine	1912-24-9	8270C	ND		380	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		960	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		380	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	ug/kg	1
Caprolactam	105-60-2	8270C	ND		960	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		960	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		960	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		960	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		960	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE24017-010**
Description: **MMRP06-IS21**
Matrix: **Solid**
Date Sampled: **05/23/2007 1315**
% Solids: **86.4** **05/24/2007 2224**
Date Received: **05/24/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1541	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		380	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		380	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		780	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		380	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		960	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		960	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	ug/kg	1
Phenol	108-95-2	8270C	ND		380	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		68	30-117
2-Fluorobiphenyl		75	33-102
2-Fluorophenol		82	28-104
Nitrobenzene-d5		74	22-109
Phenol-d5		86	27-103
Terphenyl-d14		82	41-120

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J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS21**
Date Sampled: **05/23/2007 1315**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-010**
Matrix: **Solid**
% Solids: **86.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/31/2007 0254	NWD	05/29/2007 0957	58344

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		95	50-130
Tetrachloro-m-xylene		77	50-130

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J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS21**
Date Sampled: **05/23/2007 1315**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-010**
Matrix: **Solid**
% Solids: **86.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/04/2007 2048	LH	05/29/2007 0957	58345

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.0	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.0	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.0	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.0	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.0	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.0	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.0	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.0	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.0	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.0	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.0	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.0	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.0	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.0	ug/kg	1
Endrin	72-20-8	8081A	ND		2.0	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.0	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.0	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.0	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.0	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.8	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		96	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		84	50-130
Tetrachloro-m-xylene		72	50-130

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ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS21**
Date Sampled: **05/23/2007 1315**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-010**
Matrix: **Solid**
% Solids: **86.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/02/2007 0238	NCM	05/28/2007 1044	58286

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		7800	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		91	50-130

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ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS21**
Date Sampled: **05/23/2007 1315**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-010**
Matrix: **Solid**
% Solids: **86.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 2003	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		4300	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		68	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS21**
Date Sampled: **05/23/2007 1315**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-010**
Matrix: **Solid**
% Solids: **86.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1507	FLW	05/26/2007 1702	58262
1	3050B	6010B	1	06/05/2007 0004	KJC	05/28/2007 1721	58333

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**16000**		**12**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.58	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**1.0**		**0.58**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**16**		**1.5**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.23	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.12	mg/kg	1
Calcium	**7440-70-2**	**6010B**	**1900**		**290**	**mg/kg**	**1**
Chromium	**7440-47-3**	**6010B**	**19**		**0.29**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.5	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.8**		**0.29**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**5100**		**5.8**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**6.4**		**0.58**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**660**		**290**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**15**		**0.87**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.096	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**3.2**		**2.3**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**790**		**290**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.58	mg/kg	1
Silver	7440-22-4	6010B	ND		0.29	mg/kg	1
Sodium	7440-23-5	6010B	ND		290	mg/kg	1
Thallium	7440-28-0	6010B	ND		2.9	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**21**		**2.9**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**12**		**2.9**	**mg/kg**	**1**

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ND = Not detected at or above the PQL
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J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS22**
Date Sampled: **05/23/2007 1345**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-011**
Matrix: **Solid**
% Solids: **87.1** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0840	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/29/2007 1857	KLW		58416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.57	mg/kg	1
TOC		**Walkley-Black**	**640**		**200**	**mg/kg**	**1**

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ND = Not detected at or above the PQL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS22**
Date Sampled: **05/23/2007 1345**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-011**
Matrix: **Solid**
% Solids: **87.1** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 2033	CMS		58353	6.44

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		18	ug/kg	1
Benzene	71-43-2	8260B	ND		4.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.4	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		8.9	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.4	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.4	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.4	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.4	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.4	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.4	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.4	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.4	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.4	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.4	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		8.9	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.4	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.4	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		8.9	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.4	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.4	ug/kg	1
Styrene	100-42-5	8260B	ND		4.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.4	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.4	ug/kg	1
Toluene	108-88-3	8260B	ND		4.4	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.4	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.4	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.4	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.4	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS22**
Date Sampled: **05/23/2007 1345**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-011**
Matrix: **Solid**
% Solids: **87.1** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 2033	CMS		58353	6.44

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		4.4	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS22**
Date Sampled: **05/23/2007 1345**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-011**
Matrix: **Solid**
% Solids: **87.1** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1602	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	ug/kg	1
Acetophenone	98-86-2	8270C	ND		380	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	ug/kg	1
Atrazine	1912-24-9	8270C	ND		380	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		950	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		380	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	ug/kg	1
Caprolactam	105-60-2	8270C	ND		950	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		950	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		950	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		950	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		950	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS22**
Date Sampled: **05/23/2007 1345**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-011**
Matrix: **Solid**
% Solids: **87.1** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1602	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		380	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		380	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		770	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		380	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		950	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		950	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	ug/kg	1
Phenol	108-95-2	8270C	ND		380	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		76	30-117
2-Fluorobiphenyl		78	33-102
2-Fluorophenol		82	28-104
Nitrobenzene-d5		73	22-109
Phenol-d5		84	27-103
Terphenyl-d14		84	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS22**
Date Sampled: **05/23/2007 1345**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-011**
Matrix: **Solid**
% Solids: **87.1** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/31/2007 0306	NWD	05/29/2007 0957	58344

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		86	50-130
Tetrachloro-m-xylene		75	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS22**
Date Sampled: **05/23/2007 1345**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-011**
Matrix: **Solid**
% Solids: **87.1** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/04/2007 2104	LH	05/29/2007 0957	58345

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.0	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.0	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.0	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.0	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.0	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.0	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.0	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.0	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.0	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.0	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.0	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.0	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.0	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.0	ug/kg	1
Endrin	72-20-8	8081A	ND		2.0	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.0	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.0	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.0	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.0	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.7	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		95	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		83	50-130
Tetrachloro-m-xylene		73	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS22**
Date Sampled: **05/23/2007 1345**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-011**
Matrix: **Solid**
% Solids: **87.1** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/02/2007 0304	NCM	05/28/2007 1044	58286

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		7700	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		86	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS22**
Date Sampled: **05/23/2007 1345**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-011**
Matrix: **Solid**
% Solids: **87.1** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 2028	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		4800	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		66	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS22**
Date Sampled: **05/23/2007 1345**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-011**
Matrix: **Solid**
% Solids: **87.1** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1509	FLW	05/26/2007 1702	58262
1	3050B	6010B	1	06/05/2007 0011	KJC	05/28/2007 1721	58333

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**18000**		**11**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.57	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**2.1**		**0.57**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**23**		**1.5**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.23	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.11	mg/kg	1
Calcium	**7440-70-2**	**6010B**	**290**		**290**	**mg/kg**	**1**
Chromium	**7440-47-3**	**6010B**	**22**		**0.29**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.5	mg/kg	1
Copper	**7440-50-8**	**6010B**	**2.2**		**0.29**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**8000**		**5.7**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**7.7**		**0.57**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**760**		**290**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**15**		**0.86**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.095	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**4.1**		**2.3**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**830**		**290**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.57	mg/kg	1
Silver	7440-22-4	6010B	ND		0.29	mg/kg	1
Sodium	7440-23-5	6010B	ND		290	mg/kg	1
Thallium	7440-28-0	6010B	ND		2.9	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**30**		**2.9**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**24**		**2.9**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS23**
Date Sampled: **05/23/2007 1410**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-012**
Matrix: **Solid**
% Solids: **89.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0843	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/29/2007 1857	KLW		58416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.56	mg/kg	1
TOC		**Walkley-Black**	**320**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS23**
Date Sampled: **05/23/2007 1410**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-012**
Matrix: **Solid**
% Solids: **89.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/31/2007 1715	CMS		58590	5.13

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		22	ug/kg	1
Benzene	71-43-2	8260B	ND		5.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.4	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.4	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.4	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.4	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.4	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.4	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.4	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.4	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.4	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.4	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.4	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.4	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.4	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.4	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.4	ug/kg	1
Styrene	100-42-5	8260B	ND		5.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.4	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.4	ug/kg	1
Toluene	108-88-3	8260B	ND		5.4	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.4	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.4	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.4	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.4	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS23**
Date Sampled: **05/23/2007 1410**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-012**
Matrix: **Solid**
% Solids: **89.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/31/2007 1715	CMS		58590	5.13

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		5.4	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		109	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		97	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS23**
Date Sampled: **05/23/2007 1410**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-012**
Matrix: **Solid**
% Solids: **89.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1624	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		370	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		370	ug/kg	1
Acetophenone	98-86-2	8270C	ND		370	ug/kg	1
Anthracene	120-12-7	8270C	ND		370	ug/kg	1
Atrazine	1912-24-9	8270C	ND		370	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		930	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		370	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		370	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		370	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		370	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		370	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		370	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		370	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		370	ug/kg	1
Caprolactam	105-60-2	8270C	ND		930	ug/kg	1
Carbazole	86-74-8	8270C	ND		370	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		370	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		370	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		370	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		370	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		370	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		370	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		370	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		370	ug/kg	1
Chrysene	218-01-9	8270C	ND		370	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		370	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		370	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		370	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		370	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		930	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		370	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		370	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		370	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		370	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		930	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		930	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		370	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		370	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		370	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		370	ug/kg	1
Fluorene	86-73-7	8270C	ND		370	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		370	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		370	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		930	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		370	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		370	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS23**
Date Sampled: **05/23/2007 1410**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-012**
Matrix: **Solid**
% Solids: **89.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1624	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		370	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		370	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		370	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		750	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		370	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		370	ug/kg	1
Naphthalene	91-20-3	8270C	ND		370	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		370	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		370	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		370	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		370	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		370	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		930	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		930	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		370	ug/kg	1
Phenol	108-95-2	8270C	ND		370	ug/kg	1
Pyrene	129-00-0	8270C	ND		370	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		370	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		370	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		74	30-117
2-Fluorobiphenyl		74	33-102
2-Fluorophenol		78	28-104
Nitrobenzene-d5		70	22-109
Phenol-d5		84	27-103
Terphenyl-d14		82	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS23**
Date Sampled: **05/23/2007 1410**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-012**
Matrix: **Solid**
% Solids: **89.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/31/2007 0318	NWD	05/29/2007 0957	58344

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		86	50-130
Tetrachloro-m-xylene		60	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS23**
Date Sampled: **05/23/2007 1410**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-012**
Matrix: **Solid**
% Solids: **89.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/04/2007 2120	LH	05/29/2007 0957	58345

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		1.9	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		1.9	ug/kg	1
beta-BHC	319-85-7	8081A	ND		1.9	ug/kg	1
delta-BHC	319-86-8	8081A	ND		1.9	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		1.9	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		1.9	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		1.9	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		1.9	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		1.9	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		1.9	ug/kg	1
Dieldrin	60-57-1	8081A	ND		1.9	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		1.9	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		1.9	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		1.9	ug/kg	1
Endrin	72-20-8	8081A	ND		1.9	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		1.9	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		1.9	ug/kg	1
Heptachlor	76-44-8	8081A	ND		1.9	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		1.9	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.5	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		93	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		79	50-130
Tetrachloro-m-xylene		54	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS23**
Date Sampled: **05/23/2007 1410**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-012**
Matrix: **Solid**
% Solids: **89.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/02/2007 0330	NCM	05/28/2007 1044	58286

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		**8015B**	**25000**		**7500**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		88	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS23**
Date Sampled: **05/23/2007 1410**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-012**
Matrix: **Solid**
% Solids: **89.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 2053	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		4600	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		65	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS23**
Date Sampled: **05/23/2007 1410**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-012**
Matrix: **Solid**
% Solids: **89.4** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1510	FLW	05/26/2007 1702	58262
1	3050B	6010B	1	06/05/2007 0018	KJC	05/28/2007 1721	58333

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**13000**		**11**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.56	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**1.5**		**0.56**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**20**		**1.4**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.22	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.11	mg/kg	1
Calcium	**7440-70-2**	**6010B**	**12000**		**280**	**mg/kg**	**1**
Chromium	**7440-47-3**	**6010B**	**15**		**0.28**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.4	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.8**		**0.28**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**5500**		**5.6**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**5.5**		**0.56**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**660**		**280**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**31**		**0.84**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.093	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**4.4**		**2.2**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**680**		**280**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.56	mg/kg	1
Silver	7440-22-4	6010B	ND		0.28	mg/kg	1
Sodium	7440-23-5	6010B	ND		280	mg/kg	1
Thallium	7440-28-0	6010B	ND		2.8	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**19**		**2.8**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**41**		**2.8**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-Dup-1**
Date Sampled: **05/23/2007**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-013**
Matrix: **Solid**
% Solids: **88.2** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 2119	CMS		58353	5.67

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	**67-64-1**	**8260B**	**20**		**20**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.0	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.0	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/kg	1
Styrene	100-42-5	8260B	ND		5.0	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	ug/kg	1
Toluene	108-88-3	8260B	ND		5.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-Dup-1**
Date Sampled: **05/23/2007**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-013**
Matrix: **Solid**
% Solids: **88.2** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 2119	CMS		58353	5.67

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		5.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-Dup-2**
Date Sampled: **05/23/2007**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-014**
Matrix: **Solid**
% Solids: **84.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 2143	CMS		58353	6.83

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		17	ug/kg	1
Benzene	71-43-2	8260B	ND		4.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.3	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		8.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.3	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.3	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.3	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.3	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.3	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.3	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.3	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.3	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.3	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		8.6	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.3	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.3	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		8.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.3	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.3	ug/kg	1
Styrene	100-42-5	8260B	ND		4.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.3	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.3	ug/kg	1
Toluene	108-88-3	8260B	ND		4.3	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.3	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.3	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.3	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.3	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-Dup-2**
Date Sampled: **05/23/2007**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-014**
Matrix: **Solid**
% Solids: **84.9** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 2143	CMS		58353	6.83

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		4.3	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS24**
Date Sampled: **05/23/2007 1430**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-015**
Matrix: **Solid**
% Solids: **87.8** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0845	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/29/2007 1857	KLW		58416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.57	mg/kg	1
TOC		Walkley-Black	ND		200	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS24**
Date Sampled: **05/23/2007 1430**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-015**
Matrix: **Solid**
% Solids: **87.8** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 2206	CMS		58353	5.11

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		22	ug/kg	1
Benzene	71-43-2	8260B	ND		5.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.6	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.6	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.6	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.6	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.6	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.6	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.6	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.6	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.6	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.6	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.6	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.6	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.6	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.6	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.6	ug/kg	1
Styrene	100-42-5	8260B	ND		5.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.6	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.6	ug/kg	1
Toluene	108-88-3	8260B	ND		5.6	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.6	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.6	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.6	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.6	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS24**
Date Sampled: **05/23/2007 1430**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-015**
Matrix: **Solid**
% Solids: **87.8** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/28/2007 2206	CMS		58353	5.11

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		5.6	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS24**
Date Sampled: **05/23/2007 1430**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-015**
Matrix: **Solid**
% Solids: **87.8** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1646	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	ug/kg	1
Acetophenone	98-86-2	8270C	ND		380	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	ug/kg	1
Atrazine	1912-24-9	8270C	ND		380	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		940	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		380	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	ug/kg	1
Caprolactam	105-60-2	8270C	ND		940	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		940	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		940	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		940	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		940	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS24**
Date Sampled: **05/23/2007 1430**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-015**
Matrix: **Solid**
% Solids: **87.8** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1646	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		380	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		380	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		760	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		380	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		940	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		940	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	ug/kg	1
Phenol	108-95-2	8270C	ND		380	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		70	30-117
2-Fluorobiphenyl		74	33-102
2-Fluorophenol		76	28-104
Nitrobenzene-d5		67	22-109
Phenol-d5		78	27-103
Terphenyl-d14		80	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS24**
Date Sampled: **05/23/2007 1430**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-015**
Matrix: **Solid**
% Solids: **87.8** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/31/2007 0330	NWD	05/29/2007 0957	58344

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		85	50-130
Tetrachloro-m-xylene		75	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS24**
Date Sampled: **05/23/2007 1430**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-015**
Matrix: **Solid**
% Solids: **87.8** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/04/2007 2136	LH	05/29/2007 0957	58345

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		1.9	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		1.9	ug/kg	1
beta-BHC	319-85-7	8081A	ND		1.9	ug/kg	1
delta-BHC	319-86-8	8081A	ND		1.9	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		1.9	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		1.9	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		1.9	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		1.9	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		1.9	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		1.9	ug/kg	1
Dieldrin	60-57-1	8081A	ND		1.9	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		1.9	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		1.9	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		1.9	ug/kg	1
Endrin	72-20-8	8081A	ND		1.9	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		1.9	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		1.9	ug/kg	1
Heptachlor	76-44-8	8081A	ND		1.9	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		1.9	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.6	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		94	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		84	50-130
Tetrachloro-m-xylene		71	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS24**
Date Sampled: **05/23/2007 1430**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-015**
Matrix: **Solid**
% Solids: **87.8** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/02/2007 0356	NCM	05/28/2007 1044	58286

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		7600	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		82	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS24**
Date Sampled: **05/23/2007 1430**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-015**
Matrix: **Solid**
% Solids: **87.8** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 2118	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5800	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		68	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS24**
Date Sampled: **05/23/2007 1430**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-015**
Matrix: **Solid**
% Solids: **87.8** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1512	FLW	05/26/2007 1702	58262
1	3050B	6010B	1	06/05/2007 0039	KJC	05/28/2007 1721	58333

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**17000**		**11**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.57	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**3.6**		**0.57**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**17**		**1.5**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.23	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.11	mg/kg	1
Calcium	7440-70-2	6010B	ND		280	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**20**		**0.28**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.5	mg/kg	1
Copper	**7440-50-8**	**6010B**	**15**		**0.28**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**8500**		**5.7**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**7.9**		**0.57**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**610**		**280**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**12**		**0.85**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.094	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**3.3**		**2.3**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**750**		**280**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.57	mg/kg	1
Silver	**7440-22-4**	**6010B**	**0.31**		**0.28**	**mg/kg**	**1**
Sodium	7440-23-5	6010B	ND		280	mg/kg	1
Thallium	7440-28-0	6010B	ND		2.8	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**24**		**2.8**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**22**		**2.8**	**mg/kg**	**1**

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ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS25**
Date Sampled: **05/23/2007 1500**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-016**
Matrix: **Solid**
% Solids: **76.6** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0846	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/29/2007 1857	KLW		58416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.65	mg/kg	1
TOC		**Walkley-Black**	**2700**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS25**
Date Sampled: **05/23/2007 1500**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-016**
Matrix: **Solid**
% Solids: **76.6** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0251	CMS		58433	4.91

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	**67-64-1**	**8260B**	**32**		**27**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		6.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.6	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.6	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.6	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.6	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.6	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.6	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.6	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.6	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.6	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.6	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.6	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.6	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.6	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.6	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.6	ug/kg	1
Styrene	100-42-5	8260B	ND		6.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.6	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.6	ug/kg	1
Toluene	108-88-3	8260B	ND		6.6	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.6	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.6	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.6	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.6	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS25**
Date Sampled: **05/23/2007 1500**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-016**
Matrix: **Solid**
% Solids: **76.6** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0251	CMS		58433	4.91

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		6.6	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		102	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS25**
Date Sampled: **05/23/2007 1500**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-016**
Matrix: **Solid**
% Solids: **76.6** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1708	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		430	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		430	ug/kg	1
Acetophenone	98-86-2	8270C	ND		430	ug/kg	1
Anthracene	120-12-7	8270C	ND		430	ug/kg	1
Atrazine	1912-24-9	8270C	ND		430	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1100	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		430	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		430	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		430	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		430	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		430	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		430	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		430	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		430	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1100	ug/kg	1
Carbazole	86-74-8	8270C	ND		430	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		430	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		430	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		430	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		430	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		430	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		430	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		430	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		430	ug/kg	1
Chrysene	218-01-9	8270C	ND		430	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		430	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		430	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		430	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		430	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1100	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		430	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		430	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		430	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		430	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1100	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1100	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		430	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		430	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		430	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		430	ug/kg	1
Fluorene	86-73-7	8270C	ND		430	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		430	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		430	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1100	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		430	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		430	ug/kg	1

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS25**
Date Sampled: **05/23/2007 1500**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-016**
Matrix: **Solid**
% Solids: **76.6** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1708	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		430	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		430	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		430	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		880	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		430	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		430	ug/kg	1
Naphthalene	91-20-3	8270C	ND		430	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		430	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		430	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		430	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		430	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		430	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1100	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1100	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		430	ug/kg	1
Phenol	108-95-2	8270C	ND		430	ug/kg	1
Pyrene	129-00-0	8270C	ND		430	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		430	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		430	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		83	30-117
2-Fluorobiphenyl		75	33-102
2-Fluorophenol		77	28-104
Nitrobenzene-d5		68	22-109
Phenol-d5		80	27-103
Terphenyl-d14		83	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS25**
Date Sampled: **05/23/2007 1500**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-016**
Matrix: **Solid**
% Solids: **76.6** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/31/2007 0342	NWD	05/29/2007 0957	58344

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		22	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		22	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		22	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		22	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		22	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		22	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		92	50-130
Tetrachloro-m-xylene		77	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS25**
Date Sampled: **05/23/2007 1500**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-016**
Matrix: **Solid**
% Solids: **76.6** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/04/2007 2151	LH	05/29/2007 0957	58345
2	3550B	8081A	1	06/04/2007 2151	LH	05/29/2007 0957	58345

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.2	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.2	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.2	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.2	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.2	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.2	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.2	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.2	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.2	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.2	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.2	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.2	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.2	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.2	ug/kg	1
Endrin	72-20-8	8081A	ND		2.2	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.2	ug/kg	1
Endrin ketone	**53494-70-5**	**8081A**	**3.5**		**2.2**	**ug/kg**	**1**
Heptachlor	76-44-8	8081A	ND		2.2	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.2	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.8	ug/kg	2
Toxaphene	8001-35-2	8081A	ND		110	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Decachlorobiphenyl		88	50-130		87	50-130
Tetrachloro-m-xylene		71	50-130		68	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS25**
Date Sampled: **05/23/2007 1500**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-016**
Matrix: **Solid**
% Solids: **76.6** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/02/2007 0422	NCM	05/28/2007 1044	58286

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		**8015B**	**13000**		**8800**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		86	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS25**
Date Sampled: **05/23/2007 1500**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-016**
Matrix: **Solid**
% Solids: **76.6** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 2142	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		6000	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		64	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS25**
Date Sampled: **05/23/2007 1500**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-016**
Matrix: **Solid**
% Solids: **76.6** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1513	FLW	05/26/2007 1702	58262
1	3050B	6010B	1	06/05/2007 0046	KJC	05/28/2007 1721	58333
2	3050B	6010B	2	06/05/2007 1120	MNM	05/28/2007 1721	58333

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**6700**		**13**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.65	mg/kg	1
Arsenic	7440-38-2	6010B	ND		1.3	mg/kg	2
Barium	**7440-39-3**	**6010B**	**13**		**1.7**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.26	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.13	mg/kg	1
Calcium	**7440-70-2**	**6010B**	**37000**		**650**	**mg/kg**	**2**
Chromium	**7440-47-3**	**6010B**	**13**		**0.33**	**mg/kg**	**1**
Cobalt	**7440-48-4**	**6010B**	**1.8**		**1.7**	**mg/kg**	**1**
Copper	**7440-50-8**	**6010B**	**2.8**		**0.33**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**3100**		**6.5**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**5.7**		**0.65**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**780**		**330**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**70**		**0.98**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.11	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**7.8**		**2.6**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**470**		**330**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.65	mg/kg	1
Silver	7440-22-4	6010B	ND		0.33	mg/kg	1
Sodium	7440-23-5	6010B	ND		330	mg/kg	1
Thallium	7440-28-0	6010B	ND		3.3	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**9.5**		**3.3**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**35**		**3.3**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS26**
Date Sampled: **05/23/2007 1530**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-017**
Matrix: **Solid**
% Solids: **81.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0847	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/29/2007 1857	KLW		58416

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.62	mg/kg	1
TOC		**Walkley-Black**	**1800**		**1000**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS26**
Date Sampled: **05/23/2007 1530**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-017**
Matrix: **Solid**
% Solids: **81.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1010	CMS		58496	5.44

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		23	ug/kg	1
Benzene	71-43-2	8260B	ND		5.7	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.7	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.7	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.7	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.7	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.7	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.7	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.7	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.7	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.7	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.7	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.7	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.7	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.7	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.7	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.7	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.7	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.7	ug/kg	1
Styrene	100-42-5	8260B	ND		5.7	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.7	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.7	ug/kg	1
Toluene	108-88-3	8260B	ND		5.7	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.7	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.7	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.7	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.7	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.7	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS26**
Date Sampled: **05/23/2007 1530**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-017**
Matrix: **Solid**
% Solids: **81.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1010	CMS		58496	5.44

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		5.7	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS26**
Date Sampled: **05/23/2007 1530**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-017**
Matrix: **Solid**
% Solids: **81.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1729	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		410	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		410	ug/kg	1
Acetophenone	98-86-2	8270C	ND		410	ug/kg	1
Anthracene	120-12-7	8270C	ND		410	ug/kg	1
Atrazine	1912-24-9	8270C	ND		410	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1000	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		410	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		410	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		410	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		410	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		410	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		410	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		410	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		410	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1000	ug/kg	1
Carbazole	86-74-8	8270C	ND		410	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		410	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		410	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		410	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		410	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		410	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		410	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		410	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		410	ug/kg	1
Chrysene	218-01-9	8270C	ND		410	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		410	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		410	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		410	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		410	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		410	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		410	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		410	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		410	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		410	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		410	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		410	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		410	ug/kg	1
Fluorene	86-73-7	8270C	ND		410	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		410	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		410	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		410	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		410	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS26**
Date Sampled: **05/23/2007 1530**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-017**
Matrix: **Solid**
% Solids: **81.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	05/30/2007 1729	DC	05/29/2007 2045	58408

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		410	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		410	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		410	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		830	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		410	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		410	ug/kg	1
Naphthalene	91-20-3	8270C	ND		410	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		410	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		410	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		410	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		410	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		410	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		410	ug/kg	1
Phenol	108-95-2	8270C	ND		410	ug/kg	1
Pyrene	129-00-0	8270C	ND		410	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		410	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		410	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		84	30-117
2-Fluorobiphenyl		86	33-102
2-Fluorophenol		88	28-104
Nitrobenzene-d5		86	22-109
Phenol-d5		92	27-103
Terphenyl-d14		92	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS26**
Date Sampled: **05/23/2007 1530**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-017**
Matrix: **Solid**
% Solids: **81.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	05/31/2007 0354	NWD	05/29/2007 0957	58344

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		21	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		21	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		21	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		21	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		21	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		21	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		88	50-130
Tetrachloro-m-xylene		83	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS26**
Date Sampled: **05/23/2007 1530**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-017**
Matrix: **Solid**
% Solids: **81.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/04/2007 2207	LH	05/29/2007 0957	58345
2	3550B	8081A	10	06/05/2007 2056	NCM	05/29/2007 0957	58345

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.1	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.1	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.1	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.1	ug/kg	1
gamma-BHC (Lindane)	**58-89-9**	**8081A**	**41**		**2.1**	**ug/kg**	**1**
gamma-Chlordane	5103-74-2	8081A	ND		2.1	ug/kg	1
4,4'-DDD	**72-54-8**	**8081A**	**5.8**	**P**	**2.1**	**ug/kg**	**1**
4,4'-DDE	72-55-9	8081A	ND		2.1	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.1	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.1	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.1	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.1	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.1	ug/kg	1
Endrin	72-20-8	8081A	ND		2.1	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.1	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.1	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.1	ug/kg	1
Heptachlor epoxide	**1024-57-3**	**8081A**	**27**		**2.1**	**ug/kg**	**1**
Methoxychlor	72-43-5	8081A	ND		8.3	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		17	ug/kg	2
Toxaphene	8001-35-2	8081A	ND		100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Decachlorobiphenyl		86	50-130		87	50-130
Tetrachloro-m-xylene		85	50-130		70	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS26**
Date Sampled: **05/23/2007 1530**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-017**
Matrix: **Solid**
% Solids: **81.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	06/02/2007 0448	NCM	05/28/2007 1044	58286

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		**8015B**	**15000**		**8300**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		86	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS26**
Date Sampled: **05/23/2007 1530**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-017**
Matrix: **Solid**
% Solids: **81.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 2207	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5800	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		74	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS26**
Date Sampled: **05/23/2007 1530**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-017**
Matrix: **Solid**
% Solids: **81.0** **05/24/2007 2224**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/26/2007 1514	FLW	05/26/2007 1702	58262
1	3050B	6010B	1	06/05/2007 0054	KJC	05/28/2007 1721	58333
2	3050B	6010B	10	06/05/2007 1425	MNM	05/28/2007 1721	58333

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**6100**		**12**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.62	mg/kg	1
Arsenic	**7440-38-2**	**6010B**	**4.0**		**0.62**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**12**		**1.6**	**mg/kg**	**1**
Beryllium	**7440-41-7**	**6010B**	**0.26**		**0.25**	**mg/kg**	**1**
Cadmium	**7440-43-9**	**6010B**	**0.36**		**0.12**	**mg/kg**	**1**
Calcium	**7440-70-2**	**6010B**	**180000**		**3100**	**mg/kg**	**2**
Chromium	**7440-47-3**	**6010B**	**15**		**0.31**	**mg/kg**	**1**
Cobalt	**7440-48-4**	**6010B**	**6.4**		**1.6**	**mg/kg**	**1**
Copper	**7440-50-8**	**6010B**	**4.2**		**0.31**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**5500**		**6.2**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**7.4**		**0.62**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**3000**		**310**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**320**		**0.93**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.10	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**23**		**2.5**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**1300**		**310**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.62	mg/kg	1
Silver	7440-22-4	6010B	ND		0.31	mg/kg	1
Sodium	7440-23-5	6010B	ND		310	mg/kg	1
Thallium	7440-28-0	6010B	ND		3.1	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**12**		**3.1**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**25**		**3.1**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE24017-018**
Description: **MMRP06-TW04**
Matrix: **Aqueous**
Date Sampled: **05/23/2007 1552**
Date Received: **05/24/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide) 335.2	1	05/28/2007 1146	BMG	05/25/2007 1500	58294
1		(TOC) 415.1	1	05/29/2007 1019	IVC		58438

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide	57-12-5	335.2	ND		0.010	mg/L	1
TOC		**415.1**	**6.0**		**1.0**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-TW04**
Date Sampled: **05/23/2007 1552**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-018**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/25/2007 0024	CMS		58204

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Cyclohexane	110-82-7	8260B	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE24017-018**
Description: **MMRP06-TW04**
Matrix: **Aqueous**
Date Sampled: **05/23/2007 1552**
Date Received: **05/24/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/25/2007 0024	CMS		58204

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		78	52-138
Bromofluorobenzene		99	70-147
Toluene-d8		94	76-125

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE24017-018**
Description: **MMRP06-TW04**
Matrix: **Aqueous**
Date Sampled: **05/23/2007 1552**
Date Received: **05/24/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	05/28/2007 1240	DC	05/24/2007 2150	58153

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		5.7	ug/L	1
Acenaphthylene	208-96-8	8270C	ND		5.7	ug/L	1
Acetophenone	98-86-2	8270C	ND		5.7	ug/L	1
Anthracene	120-12-7	8270C	ND		5.7	ug/L	1
Atrazine	1912-24-9	8270C	ND		5.7	ug/L	1
Benzaldehyde	100-52-7	8270C	ND		28	ug/L	1
Benzo(a)anthracene	56-55-3	8270C	ND		5.7	ug/L	1
Benzo(a)pyrene	50-32-8	8270C	ND		5.7	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		5.7	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		5.7	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		5.7	ug/L	1
1,1'-Biphenyl	92-52-4	8270C	ND		5.7	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		5.7	ug/L	1
Butyl benzyl phthalate	85-68-7	8270C	ND		11	ug/L	1
Caprolactam	105-60-2	8270C	ND		28	ug/L	1
Carbazole	86-74-8	8270C	ND		5.7	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		5.7	ug/L	1
4-Chloroaniline	106-47-8	8270C	ND		5.7	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		5.7	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		5.7	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		5.7	ug/L	1
2-Chloronaphthalene	91-58-7	8270C	ND		5.7	ug/L	1
2-Chlorophenol	95-57-8	8270C	ND		5.7	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		5.7	ug/L	1
Chrysene	218-01-9	8270C	ND		5.7	ug/L	1
Di-n-butyl phthalate	84-74-2	8270C	ND		5.7	ug/L	1
Di-n-octylphthalate	117-84-0	8270C	ND		5.7	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		5.7	ug/L	1
Dibenzofuran	132-64-9	8270C	ND		5.7	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		28	ug/L	1
2,4-Dichlorophenol	120-83-2	8270C	ND		5.7	ug/L	1
Diethylphthalate	84-66-2	8270C	ND		5.7	ug/L	1
Dimethyl phthalate	131-11-3	8270C	ND		5.7	ug/L	1
2,4-Dimethylphenol	105-67-9	8270C	ND		5.7	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		28	ug/L	1
2,4-Dinitrophenol	51-28-5	8270C	ND		28	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		11	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		11	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		5.7	ug/L	1
Fluoranthene	206-44-0	8270C	ND		5.7	ug/L	1
Fluorene	86-73-7	8270C	ND		5.7	ug/L	1
Hexachlorobenzene	118-74-1	8270C	ND		5.7	ug/L	1
Hexachlorobutadiene	87-68-3	8270C	ND		5.7	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		28	ug/L	1
Hexachloroethane	67-72-1	8270C	ND		5.7	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		5.7	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-TW04**
Date Sampled: **05/23/2007 1552**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-018**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	05/28/2007 1240	DC	05/24/2007 2150	58153

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		5.7	ug/L	1
2-Methylnaphthalene	91-57-6	8270C	ND		5.7	ug/L	1
2-Methylphenol	95-48-7	8270C	ND		5.7	ug/L	1
3 & 4-Methylphenol	106-44-5	8270C	ND		11	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		5.7	ug/L	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		5.7	ug/L	1
Naphthalene	91-20-3	8270C	ND		5.7	ug/L	1
2-Nitroaniline	88-74-4	8270C	ND		11	ug/L	1
3-Nitroaniline	99-09-2	8270C	ND		11	ug/L	1
4-Nitroaniline	100-01-6	8270C	ND		11	ug/L	1
Nitrobenzene	98-95-3	8270C	ND		5.7	ug/L	1
2-Nitrophenol	88-75-5	8270C	ND		11	ug/L	1
4-Nitrophenol	100-02-7	8270C	ND		28	ug/L	1
Pentachlorophenol	87-86-5	8270C	ND		28	ug/L	1
Phenanthrene	85-01-8	8270C	ND		5.7	ug/L	1
Phenol	108-95-2	8270C	ND		5.7	ug/L	1
Pyrene	129-00-0	8270C	ND		5.7	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		5.7	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		5.7	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		68	41-144
2-Fluorobiphenyl		71	37-129
2-Fluorophenol		72	24-127
Nitrobenzene-d5		69	38-127
Phenol-d5		75	28-128
Terphenyl-d14		45	10-148

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-TW04**
Date Sampled: **05/23/2007 1552**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-018**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8082	1	05/30/2007 1807	NWD	05/24/2007 2150	58155

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		0.27	ug/L	1
Aroclor 1221	11104-28-2	8082	ND		0.27	ug/L	1
Aroclor 1232	11141-16-5	8082	ND		0.27	ug/L	1
Aroclor 1242	53469-21-9	8082	ND		0.27	ug/L	1
Aroclor 1248	12672-29-6	8082	ND		0.27	ug/L	1
Aroclor 1254	11097-69-1	8082	ND		0.27	ug/L	1
Aroclor 1260	11096-82-5	8082	ND		0.27	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		24	10-156
Tetrachloro-m-xylene		70	48-133

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-TW04**
Date Sampled: **05/23/2007 1552**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-018**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081A	1	06/04/2007 1601	LH	05/24/2007 2150	58157

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		0.026	ug/L	1
alpha-BHC	319-84-6	8081A	ND		0.026	ug/L	1
beta-BHC	319-85-7	8081A	ND		0.026	ug/L	1
delta-BHC	319-86-8	8081A	ND		0.026	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		0.026	ug/L	1
alpha-Chlordane	5103-71-9	8081A	ND		0.026	ug/L	1
gamma-Chlordane	5103-74-2	8081A	ND		0.026	ug/L	1
4,4'-DDD	72-54-8	8081A	ND		0.026	ug/L	1
4,4'-DDE	72-55-9	8081A	ND		0.026	ug/L	1
4,4'-DDT	50-29-3	8081A	ND		0.026	ug/L	1
Dieldrin	60-57-1	8081A	ND		0.026	ug/L	1
Endosulfan I	959-98-8	8081A	ND		0.026	ug/L	1
Endosulfan II	33213-65-9	8081A	ND		0.026	ug/L	1
Endosulfan sulfate	1031-07-8	8081A	ND		0.026	ug/L	1
Endrin	72-20-8	8081A	ND		0.026	ug/L	1
Endrin aldehyde	7421-93-4	8081A	ND		0.026	ug/L	1
Endrin ketone	53494-70-5	8081A	ND		0.026	ug/L	1
Heptachlor	76-44-8	8081A	ND		0.026	ug/L	1
Heptachlor epoxide	1024-57-3	8081A	ND		0.026	ug/L	1
Methoxychlor	72-43-5	8081A	ND		0.10	ug/L	1
Toxaphene	8001-35-2	8081A	ND		0.26	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		23	10-156
Tetrachloro-m-xylene		74	48-133

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-TW04**
Date Sampled: **05/23/2007 1552**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-018**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	06/05/2007 1555	JGR		58777

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		100	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE24017-018**
Description: **MMRP06-TW04**
Matrix: **Aqueous**
Date Sampled: **05/23/2007 1552**
Date Received: **05/24/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	05/29/2007 1532	FLW	05/28/2007 1701	58336
1	3005A	6010B	1	06/05/2007 1449	MNM	05/25/2007 1037	58201

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**290**		**0.20**	**mg/L**	**1**
Antimony	7440-36-0	6010B	ND		0.010	mg/L	1
Arsenic	**7440-38-2**	**6010B**	**0.026**		**0.010**	**mg/L**	**1**
Barium	**7440-39-3**	**6010B**	**0.48**		**0.025**	**mg/L**	**1**
Beryllium	7440-41-7	6010B	ND		0.0040	mg/L	1
Cadmium	**7440-43-9**	**6010B**	**0.0039**		**0.0020**	**mg/L**	**1**
Calcium	**7440-70-2**	**6010B**	**32**		**5.0**	**mg/L**	**1**
Chromium	**7440-47-3**	**6010B**	**0.37**		**0.0050**	**mg/L**	**1**
Cobalt	7440-48-4	6010B	ND		0.025	mg/L	1
Copper	**7440-50-8**	**6010B**	**0.048**		**0.0050**	**mg/L**	**1**
Iron	**7439-89-6**	**6010B**	**120**		**0.10**	**mg/L**	**1**
Lead	**7439-92-1**	**6010B**	**0.11**		**0.010**	**mg/L**	**1**
Magnesium	**7439-95-4**	**6010B**	**12**		**5.0**	**mg/L**	**1**
Manganese	**7439-96-5**	**6010B**	**0.23**		**0.015**	**mg/L**	**1**
Mercury	**7439-97-6**	**7470A**	**0.00044**		**0.00010**	**mg/L**	**1**
Nickel	**7440-02-0**	**6010B**	**0.098**		**0.040**	**mg/L**	**1**
Potassium	**7440-09-7**	**6010B**	**12**		**5.0**	**mg/L**	**1**
Selenium	7782-49-2	6010B	ND		0.010	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	mg/L	1
Sodium	**7440-23-5**	**6010B**	**7.4**		**5.0**	**mg/L**	**1**
Thallium	7440-28-0	6010B	ND		0.050	mg/L	1
Vanadium	**7440-62-2**	**6010B**	**0.39**		**0.050**	**mg/L**	**1**
Zinc	**7440-66-6**	**6010B**	**0.13**		**0.020**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-TW06**
Date Sampled: **05/23/2007 1600**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-019**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide) 335.2	1	05/28/2007 1146	BMG	05/25/2007 1500	58294
1		(TOC) 415.1	1	05/29/2007 1056	IVC		58438

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide	57-12-5	335.2	ND		0.010	mg/L	1
TOC		**415.1**	**3.2**		**1.0**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-TW06**
Date Sampled: **05/23/2007 1600**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-019**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/25/2007 0046	CMS		58204

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Cyclohexane	110-82-7	8260B	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-TW06**
Date Sampled: **05/23/2007 1600**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-019**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/25/2007 0046	CMS		58204

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		78	52-138
Bromofluorobenzene		97	70-147
Toluene-d8		96	76-125

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-TW06**
Date Sampled: **05/23/2007 1600**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-019**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	05/28/2007 1302	DC	05/24/2007 2150	58153

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		6.0	ug/L	1
Acenaphthylene	208-96-8	8270C	ND		6.0	ug/L	1
Acetophenone	98-86-2	8270C	ND		6.0	ug/L	1
Anthracene	120-12-7	8270C	ND		6.0	ug/L	1
Atrazine	1912-24-9	8270C	ND		6.0	ug/L	1
Benzaldehyde	100-52-7	8270C	ND		30	ug/L	1
Benzo(a)anthracene	56-55-3	8270C	ND		6.0	ug/L	1
Benzo(a)pyrene	50-32-8	8270C	ND		6.0	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		6.0	ug/L	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		6.0	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		6.0	ug/L	1
1,1'-Biphenyl	92-52-4	8270C	ND		6.0	ug/L	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		6.0	ug/L	1
Butyl benzyl phthalate	85-68-7	8270C	ND		12	ug/L	1
Caprolactam	105-60-2	8270C	ND		30	ug/L	1
Carbazole	86-74-8	8270C	ND		6.0	ug/L	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		6.0	ug/L	1
4-Chloroaniline	106-47-8	8270C	ND		6.0	ug/L	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		6.0	ug/L	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		6.0	ug/L	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		6.0	ug/L	1
2-Chloronaphthalene	91-58-7	8270C	ND		6.0	ug/L	1
2-Chlorophenol	95-57-8	8270C	ND		6.0	ug/L	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		6.0	ug/L	1
Chrysene	218-01-9	8270C	ND		6.0	ug/L	1
Di-n-butyl phthalate	84-74-2	8270C	ND		6.0	ug/L	1
Di-n-octylphthalate	117-84-0	8270C	ND		6.0	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		6.0	ug/L	1
Dibenzofuran	132-64-9	8270C	ND		6.0	ug/L	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		30	ug/L	1
2,4-Dichlorophenol	120-83-2	8270C	ND		6.0	ug/L	1
Diethylphthalate	84-66-2	8270C	ND		6.0	ug/L	1
Dimethyl phthalate	131-11-3	8270C	ND		6.0	ug/L	1
2,4-Dimethylphenol	105-67-9	8270C	ND		6.0	ug/L	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		30	ug/L	1
2,4-Dinitrophenol	51-28-5	8270C	ND		30	ug/L	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		12	ug/L	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		12	ug/L	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		6.0	ug/L	1
Fluoranthene	206-44-0	8270C	ND		6.0	ug/L	1
Fluorene	86-73-7	8270C	ND		6.0	ug/L	1
Hexachlorobenzene	118-74-1	8270C	ND		6.0	ug/L	1
Hexachlorobutadiene	87-68-3	8270C	ND		6.0	ug/L	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		30	ug/L	1
Hexachloroethane	67-72-1	8270C	ND		6.0	ug/L	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		6.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE24017-019**
Description: **MMRP06-TW06**
Matrix: **Aqueous**
Date Sampled: **05/23/2007 1600**
Date Received: **05/24/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270C	1	05/28/2007 1302	DC	05/24/2007 2150	58153

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		6.0	ug/L	1
2-Methylnaphthalene	91-57-6	8270C	ND		6.0	ug/L	1
2-Methylphenol	95-48-7	8270C	ND		6.0	ug/L	1
3 & 4-Methylphenol	106-44-5	8270C	ND		12	ug/L	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		6.0	ug/L	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		6.0	ug/L	1
Naphthalene	91-20-3	8270C	ND		6.0	ug/L	1
2-Nitroaniline	88-74-4	8270C	ND		12	ug/L	1
3-Nitroaniline	99-09-2	8270C	ND		12	ug/L	1
4-Nitroaniline	100-01-6	8270C	ND		12	ug/L	1
Nitrobenzene	98-95-3	8270C	ND		6.0	ug/L	1
2-Nitrophenol	88-75-5	8270C	ND		12	ug/L	1
4-Nitrophenol	100-02-7	8270C	ND		30	ug/L	1
Pentachlorophenol	87-86-5	8270C	ND		30	ug/L	1
Phenanthrene	85-01-8	8270C	ND		6.0	ug/L	1
Phenol	108-95-2	8270C	ND		6.0	ug/L	1
Pyrene	129-00-0	8270C	ND		6.0	ug/L	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		6.0	ug/L	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		6.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		64	41-144
2-Fluorobiphenyl		62	37-129
2-Fluorophenol		58	24-127
Nitrobenzene-d5		59	38-127
Phenol-d5		63	28-128
Terphenyl-d14		52	10-148

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-TW06**
Date Sampled: **05/23/2007 1600**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-019**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8082	1	05/30/2007 1819	NWD	05/24/2007 2150	58155

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		0.33	ug/L	1
Aroclor 1221	11104-28-2	8082	ND		0.33	ug/L	1
Aroclor 1232	11141-16-5	8082	ND		0.33	ug/L	1
Aroclor 1242	53469-21-9	8082	ND		0.33	ug/L	1
Aroclor 1248	12672-29-6	8082	ND		0.33	ug/L	1
Aroclor 1254	11097-69-1	8082	ND		0.33	ug/L	1
Aroclor 1260	11096-82-5	8082	ND		0.33	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		32	10-156
Tetrachloro-m-xylene		76	48-133

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-TW06**
Date Sampled: **05/23/2007 1600**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-019**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8081A	1	06/04/2007 1617	LH	05/24/2007 2150	58157

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		0.026	ug/L	1
alpha-BHC	319-84-6	8081A	ND		0.026	ug/L	1
beta-BHC	319-85-7	8081A	ND		0.026	ug/L	1
delta-BHC	319-86-8	8081A	ND		0.026	ug/L	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		0.026	ug/L	1
alpha-Chlordane	5103-71-9	8081A	ND		0.026	ug/L	1
gamma-Chlordane	5103-74-2	8081A	ND		0.026	ug/L	1
4,4'-DDD	72-54-8	8081A	ND		0.026	ug/L	1
4,4'-DDE	72-55-9	8081A	ND		0.026	ug/L	1
4,4'-DDT	50-29-3	8081A	ND		0.026	ug/L	1
Dieldrin	60-57-1	8081A	ND		0.026	ug/L	1
Endosulfan I	959-98-8	8081A	ND		0.026	ug/L	1
Endosulfan II	33213-65-9	8081A	ND		0.026	ug/L	1
Endosulfan sulfate	1031-07-8	8081A	ND		0.026	ug/L	1
Endrin	72-20-8	8081A	ND		0.026	ug/L	1
Endrin aldehyde	7421-93-4	8081A	ND		0.026	ug/L	1
Endrin ketone	53494-70-5	8081A	ND		0.026	ug/L	1
Heptachlor	76-44-8	8081A	ND		0.026	ug/L	1
Heptachlor epoxide	1024-57-3	8081A	ND		0.026	ug/L	1
Methoxychlor	72-43-5	8081A	ND		0.10	ug/L	1
Toxaphene	8001-35-2	8081A	ND		0.26	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		28	10-156
Tetrachloro-m-xylene		72	48-133

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-TW06**
Date Sampled: **05/23/2007 1600**
Date Received: **05/24/2007**

Laboratory ID: **IE24017-019**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	06/05/2007 1620	JGR		58777

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		100	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		101	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE24017-019**
Description: **MMRP06-TW06**
Matrix: **Aqueous**
Date Sampled: **05/23/2007 1600**
Date Received: **05/24/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7470A	1	05/29/2007 1533	FLW	05/28/2007 1701	58336
1	3005A	6010B	1	06/05/2007 1455	MNM	05/25/2007 1037	58201

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**14**		**0.20**	**mg/L**	**1**
Antimony	7440-36-0	6010B	ND		0.010	mg/L	1
Arsenic	7440-38-2	6010B	ND		0.010	mg/L	1
Barium	**7440-39-3**	**6010B**	**0.079**		**0.025**	**mg/L**	**1**
Beryllium	7440-41-7	6010B	ND		0.0040	mg/L	1
Cadmium	7440-43-9	6010B	ND		0.0020	mg/L	1
Calcium	7440-70-2	6010B	ND		5.0	mg/L	1
Chromium	**7440-47-3**	**6010B**	**0.020**		**0.0050**	**mg/L**	**1**
Cobalt	7440-48-4	6010B	ND		0.025	mg/L	1
Copper	7440-50-8	6010B	ND		0.0050	mg/L	1
Iron	**7439-89-6**	**6010B**	**4.0**		**0.10**	**mg/L**	**1**
Lead	7439-92-1	6010B	ND		0.010	mg/L	1
Magnesium	7439-95-4	6010B	ND		5.0	mg/L	1
Manganese	**7439-96-5**	**6010B**	**0.033**		**0.015**	**mg/L**	**1**
Mercury	7439-97-6	7470A	ND		0.00010	mg/L	1
Nickel	7440-02-0	6010B	ND		0.040	mg/L	1
Potassium	7440-09-7	6010B	ND		5.0	mg/L	1
Selenium	7782-49-2	6010B	ND		0.010	mg/L	1
Silver	7440-22-4	6010B	ND		0.0050	mg/L	1
Sodium	**7440-23-5**	**6010B**	**9.0**		**5.0**	**mg/L**	**1**
Thallium	7440-28-0	6010B	ND		0.050	mg/L	1
Vanadium	7440-62-2	6010B	ND		0.050	mg/L	1
Zinc	7440-66-6	6010B	ND		0.020	mg/L	1

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE24017-020**
Description: **MMRP06-TWFD1**
Matrix: **Aqueous**
Date Sampled: **05/23/2007 1600**
Date Received: **05/24/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/25/2007 0107	CMS		58204

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Cyclohexane	110-82-7	8260B	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE24017-020**
Description: **MMRP06-TWFD1**
Matrix: **Aqueous**
Date Sampled: **05/23/2007 1600**
Date Received: **05/24/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/25/2007 0107	CMS		58204

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		80	52-138
Bromofluorobenzene		97	70-147
Toluene-d8		97	76-125

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE24017-021**
Description: **MMRP06-Trip Blank 1**
Matrix: **Aqueous**
Date Sampled: **05/10/2007 1730**
Date Received: **05/24/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/25/2007 0129	CMS		58204

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/L	1
Benzene	71-43-2	8260B	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		1.0	ug/L	1
Bromoform	75-25-2	8260B	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260B	ND		2.0	ug/L	1
Chloroform	67-66-3	8260B	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		1.0	ug/L	1
Cyclohexane	110-82-7	8260B	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		1.0	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		1.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		1.0	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		1.0	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		1.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		1.0	ug/L	1
Styrene	100-42-5	8260B	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		1.0	ug/L	1
Toluene	108-88-3	8260B	ND		1.0	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		1.0	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260B	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		1.0	ug/L	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE24017-021**
Description: **MMRP06-Trip Blank 1**
Matrix: **Aqueous**
Date Sampled: **05/10/2007 1730**
Date Received: **05/24/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	05/25/2007 0129	CMS		58204

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		80	52-138
Bromofluorobenzene		99	70-147
Toluene-d8		98	76-125

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

QC Summary

Inorganic non-metals - MB

Sample ID: IQ58294-001
Batch: 58294
Analytical Method: 335.2

Matrix: Aqueous
Prep Method:
Prep Date: 05/25/2007 1500

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Cyanide	ND		1	0.010	mg/L	05/28/2007 1114

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCS

Sample ID: IQ58294-002
Batch: 58294
Analytical Method: 335.2

Matrix: Aqueous
Prep Method:
Prep Date: 05/25/2007 1500

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Cyanide	0.10	0.10		1	105	90-110	05/28/2007 1115

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCSD

Sample ID: IQ58294-003
Batch: 58294
Analytical Method: 335.2

Matrix: Aqueous
Prep Method:
Prep Date: 05/25/2007 1500

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Cyanide	0.10	0.10		1	106	0.95	90-110	20	05/28/2007 1127

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MB

Sample ID: IQ58411-001
Batch: 58411
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 930

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Cyanide - Total	ND		1	0.50	mg/kg	06/01/2007 0758

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCS

Sample ID: IQ58411-002
Batch: 58411
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 930

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Cyanide - Total	5.0	5.1		1	103	90-110	06/01/2007 0759

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCSD

Sample ID: IQ58411-003
Batch: 58411
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 930

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Cyanide - Total	5.0	5.1		1	103	0.0	90-110	20	06/01/2007 0800

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MB

Sample ID: IQ58412-001
Batch: 58412
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 1230

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Cyanide - Total	ND		1	0.50	mg/kg	06/01/2007 0832

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCS

Sample ID: IQ58412-002
Batch: 58412
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 1230

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Cyanide - Total	5.0	4.6		1	92	90-110	06/01/2007 0906

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCSD

Sample ID: IQ58412-003
Batch: 58412
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 1230

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Cyanide - Total	5.0	4.9		1	98	6.5	90-110	20	06/01/2007 0833

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MS

Sample ID: IE24017-011MS
Batch: 58412
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 1230

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Cyanide - Total	ND	5.7	5.6		1	98	70-130	06/01/2007 0841

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MS

Sample ID: IE24017-012MS
Batch: 58412
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 1230

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Cyanide - Total	ND	5.6	5.4		1	98	70-130	06/01/2007 0844

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MSD

Sample ID: IE24017-011MD
Batch: 58412
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 1230

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Cyanide - Total	ND	5.7	5.8		1	101	3.2	70-130	20	06/01/2007 0842

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MSD

Sample ID: IE24017-012MD
Batch: 58412
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 1230

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Cyanide - Total	ND	5.6	5.7		1	102	4.5	70-130	20	06/01/2007 0845

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - Duplicate

Sample ID: IE24017-010DU
Batch: 58412
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 1230

Parameter	Sample Amount (mg/kg)	Result (mg/kg)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Cyanide - Total	ND	ND		1	0.0	20	06/01/2007 0837

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MB

Sample ID: IQ58416-001
Batch: 58416
Analytical Method: Walkley-Black
Matrix: Solid

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TOC	ND		1	200	mg/kg	05/29/2007 1857

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCS

Sample ID: IQ58416-002
Batch: 58416
Analytical Method: Walkley-Black
Matrix: Solid

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TOC	1000	1000		1	106	80-120	05/29/2007 1857

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCSD

Sample ID: IQ58416-003 **Matrix:** Solid
Batch: 58416
Analytical Method: Walkley-Black

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TOC	1000	1000		1	102	3.6	80-120	20	05/29/2007 1857

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MS

Sample ID: IE24017-001MS
Batch: 58416
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TOC	450	1000	1500		1	104	70-130	05/29/2007 1857

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MS

Sample ID: IE24017-003MS
Batch: 58416
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TOC	ND	1000	1200		1	124	70-130	05/29/2007 1857

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MSD

Sample ID: IE24017-001MD
Batch: 58416
Analytical Method: Walkley-Black
Matrix: Solid

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TOC	450	1000	1500		1	104	0.044	70-130	20	05/29/2007 1857

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MSD

Sample ID: IE24017-003MD
Batch: 58416
Analytical Method: Walkley-Black
Matrix: Solid

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TOC	ND	990	1200		1	117	6.6	70-130	20	05/29/2007 1857

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MB

Sample ID: IQ58438-001
Batch: 58438
Analytical Method: 415.1
Matrix: Aqueous

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TOC	ND		1	1.0	mg/L	05/29/2007 0321

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCS

Sample ID: IQ58438-002 **Matrix:** Aqueous
Batch: 58438
Analytical Method: 415.1

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TOC	20	21		1	106	90-110	05/29/2007 0340

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCSD

Sample ID: IQ58438-003
Batch: 58438
Analytical Method: 415.1
Matrix: Aqueous

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TOC	20	20		1	103	2.9	90-110	20	05/29/2007 0358

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS23

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 1307712

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS24

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 1307713

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS25

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 1307714

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS26

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 1307715

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PWKLCS

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 141094

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	1.8	
121-82-4	RDX	2.2	
99-35-4	1,3,5-Trinitrobenzene	1.1	
99-65-0	1,3-Dinitrobenzene	1.8	
479-45-8	Tetryl	0.0	
98-95-3	Nitrobenzene	1.8	
118-96-7	2,4,6-Trinitrotoluene	1.4	
35572-78-2	2-Amino-4,6-dinitrotoluene	2.8	
606-20-2	2,6-Dinitrotoluene	2.6	
121-14-2	2,4-Dinitrotoluene	1.7	
1946-51-0	4-Amino-2,6-dinitrotoluene	2.7	
88-72-2	2-Nitrotoluene	3.0	
99-99-0	4-Nitrotoluene	2.8	
99-08-1	3-Nitrotoluene	2.6	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PWKLCSD

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 141095

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	1.6	
121-82-4	RDX	2.2	
99-35-4	1,3,5-Trinitrobenzene	1.7	
99-65-0	1,3-Dinitrobenzene	1.7	
479-45-8	Tetryl	0.0	
98-95-3	Nitrobenzene	1.8	
118-96-7	2,4,6-Trinitrotoluene	1.6	
35572-78-2	2-Amino-4,6-dinitrotoluene	2.7	
606-20-2	2,6-Dinitrotoluene	2.7	
121-14-2	2,4-Dinitrotoluene	1.7	
1946-51-0	4-Amino-2,6-dinitrotoluene	2.9	
88-72-2	2-Nitrotoluene	2.7	
99-99-0	4-Nitrotoluene	2.5	
99-08-1	3-Nitrotoluene	2.7	

FORM I PEST

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

LCS ID: PWKLCS Matrix Spike - EPA Sample No.: PWKLCS

COMPOUND	SPIKE ADDED (mg/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC #	QC. LIMITS REC.
HMX	2.0		1.8	90	50-150
RDX	2.0		2.2	110	50-150
1,3,5-Trinitrobenzene	2.0		1.1	55	50-150
1,3-Dinitrobenzene	2.0		1.8	90	50-150
Tetryl	3.0		0.0	0*	50-150
Nitrobenzene	2.0		1.8	92	50-150
2,4,6-Trinitrotoluene	2.0		1.4	70	50-150
2-Amino-4,6-dinitrotolu	3.0		2.8	93	50-150
2,6-Dinitrotoluene	3.0		2.6	87	50-150
2,4-Dinitrotoluene	2.0		1.7	85	50-150
4-Amino-2,6-dinitrotolu	3.0		2.7	90	50-150
2-Nitrotoluene	3.0		3.0	100	50-150
4-Nitrotoluene	3.0		2.8	93	50-150
3-Nitrotoluene	3.0		2.6	87	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

LCS ID: PWKLCS Matrix Spike - EPA Sample No.: PWKLCS

COMPOUND	SPIKE ADDED (mg/Kg	LCSD CONCENTRATION (mg/Kg	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
HMX	2.0	1.6	80	12	30	50-150
RDX	2.0	2.2	110	0	30	50-150
1,3,5-Trinitrobenzene	2.0	1.7	85	43*	30	50-150
1,3-Dinitrobenzene	2.0	1.7	85	6	30	50-150
Tetryl	3.0	0.0	0*	200*	30	50-150
Nitrobenzene	2.0	1.8	91	1	30	50-150
2,4,6-Trinitrotoluene	2.0	1.6	91	13	30	50-150
2-Amino-4,6-dinitrotolu	3.0	2.7	90	4	30	50-150
2,6-Dinitrotoluene	3.0	2.7	90	4	30	50-150
2,4-Dinitrotoluene	2.0	1.7	85	0	30	50-150
4-Amino-2,6-dinitrotolu	3.0	2.9	97	7	30	50-150
2-Nitrotoluene	3.0	2.7	90	10	30	50-150
4-Nitrotoluene	3.0	2.5	83	11	30	50-150
3-Nitrotoluene	3.0	2.7	90	4	30	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 2 out of 14 outside limits
Spike Recovery: 2 out of 28 outside limits

COMMENTS: _____

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKWK

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Lab Sample ID: 141093 Lab File ID: 014Y141093

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) OTHER

Sulfur Cleanup (Y/N) N Date Extracted: 05/29/07

Date Analyzed (1): 06/06/07 Date Analyzed (2): 06/08/07

Time Analyzed (1): 0141 Time Analyzed (2): 0245

Instrument ID (1): A11002 Instrument ID (2): A11001

GC Column (1): PINNACLE CYANO ID: 4.60(mm) GC Column (2): C18 ID: 4.60

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PWKLCS	141094	06/06/07	06/08/07
02	PWKLCSD	141095	06/06/07	06/08/07
03	MMRP06-IS12	1307701		06/08/07
04	MMRP06-IS13	1307702		06/08/07
05	MMRP06-IS14	1307703		06/08/07
06	MMRP06-IS15	1307704		06/08/07
07	MMRP06-IS16	1307705		06/08/07
08	MMRP06-IS17	1307706		06/08/07
09	MMRP06-IS18	1307707		06/08/07
10	MMRP06-IS19	1307708		06/08/07
11	MMRP06-IS20	1307709		06/08/07
12	MMRP06-IS21	1307710		06/08/07
13	MMRP06-IS22	1307711		06/08/07
14	MMRP06-IS23	1307712		06/08/07
15	MMRP06-IS24	1307713		06/08/07
16	MMRP06-IS25	1307714		06/08/07
17	MMRP06-IS26	1307715		06/08/07
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

FORM IV PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKWK

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 141093

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

Subcontracted Data

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Friday, June 08, 2007

LORIE CARLISLE
ARCADIS
801 CORPORATE CENTER DRIVE
SUITE 300
RALEIGH, NC 27607

RE: Project: 13077
Project ID: CAMP LEJUENE

Dear LORIE CARLISLE:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, May 25, 2007. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.
If you have any questions concerning this report, please feel free to contact your project manager.

Sincerely,

Paul E. Cvetich for
Marlene F. Swift
mswift@compuchemlabs.com

YES

Enclosures

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SAMPLE SUMMARY

Project: 13077
Project ID: CAMP LEJUENE

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1307701	MMRP06-IS12	Soil	5/23/2007 08:00	5/25/2007 12:47
1307702	MMRP06-IS13	Soil	5/23/2007 08:30	5/25/2007 12:47
1307703	MMRP06-IS14	Soil	5/23/2007 09:00	5/25/2007 12:47
1307704	MMRP06-IS15	Soil	5/23/2007 09:30	5/25/2007 12:47
1307705	MMRP06-IS16	Soil	5/23/2007 09:40	5/25/2007 12:47
1307706	MMRP06-IS17	Soil	5/23/2007 10:00	5/25/2007 12:47
1307707	MMRP06-IS18	Soil	5/23/2007 10:30	5/25/2007 12:47
1307708	MMRP06-IS19	Soil	5/23/2007 11:00	5/25/2007 12:47
1307709	MMRP06-IS20	Soil	5/23/2007 11:30	5/25/2007 12:47
1307710	MMRP06-IS21	Soil	5/23/2007 13:15	5/25/2007 12:47
1307711	MMRP06-IS22	Soil	5/23/2007 13:45	5/25/2007 12:47
1307712	MMRP06-IS23	Soil	5/23/2007 14:10	5/25/2007 12:47
1307713	MMRP06-IS24	Soil	5/23/2007 14:30	5/25/2007 12:47
1307714	MMRP06-IS25	Soil	5/23/2007 15:00	5/25/2007 12:47
1307715	MMRP06-IS26	Soil	5/23/2007 15:30	5/25/2007 12:47

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SAMPLE ANALYTE COUNT

Project: 13077
Project ID: CAMP LEJUENE

Lab ID	Sample ID	Method	Analytes Reported
1307701	MMRP06-IS12	% Solids	1
		EPA 314.0	1
1307702	MMRP06-IS13	% Solids	1
		EPA 314.0	1
1307703	MMRP06-IS14	% Solids	1
		EPA 314.0	1
1307704	MMRP06-IS15	% Solids	1
		EPA 314.0	1
1307705	MMRP06-IS16	% Solids	1
		EPA 314.0	1
1307706	MMRP06-IS17	% Solids	1
		EPA 314.0	1
1307707	MMRP06-IS18	% Solids	1
		EPA 314.0	1
1307708	MMRP06-IS19	% Solids	1
		EPA 314.0	1
1307709	MMRP06-IS20	% Solids	1
		EPA 314.0	1
1307710	MMRP06-IS21	% Solids	1
		EPA 314.0	1
1307711	MMRP06-IS22	% Solids	1
		EPA 314.0	1
1307712	MMRP06-IS23	% Solids	1
		EPA 314.0	1
1307713	MMRP06-IS24	% Solids	1
		EPA 314.0	1
1307714	MMRP06-IS25	% Solids	1
		EPA 314.0	1
1307715	MMRP06-IS26	% Solids	1
		EPA 314.0	1

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ANALYTICAL RESULTS

Project: 13077
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307701** Date Collected: 5/23/2007 08:00 Matrix: Soil
Sample ID: **MMRP06-IS12** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.09U	mg/kg	1.09	1	5/29/2007	EXTR	6/1/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	91.8	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13077
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307702** Date Collected: 5/23/2007 08:30 Matrix: Soil
Sample ID: **MMRP06-IS13** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.09U	mg/kg	1.09	1	5/29/2007	EXTR	6/5/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	92.2	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13077
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID:	**1307703**	Date Collected:	5/23/2007 09:00	Matrix:	Soil
Sample ID:	**MMRP06-IS14**	Date Received:	5/25/2007 12:47		

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.09U	mg/kg	1.09	1	5/29/2007	EXTR	6/5/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	92.0	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13077
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307704** Date Collected: 5/23/2007 09:30 Matrix: Soil
Sample ID: **MMRP06-IS15** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.27U	mg/kg	1.27	1	5/29/2007	EXTR	6/5/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	78.7	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13077
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307705** Date Collected: 5/23/2007 09:40 Matrix: Soil
Sample ID: **MMRP06-IS16** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.18U	mg/kg	1.18	1	5/29/2007	EXTR	6/5/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	84.9	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13077
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307706** Date Collected: 5/23/2007 10:00 Matrix: Soil
Sample ID: **MMRP06-IS17** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.15U	mg/kg	1.15	1	5/29/2007	EXTR	6/5/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	87.0	%		1			5/29/2007	2171			

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Cary, NC 27519-4603
Phone: (919) 379-4100
Fax: (919) 379-4050

ANALYTICAL RESULTS

Project: 13077
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307707** Date Collected: 5/23/2007 10:30 Matrix: Soil
Sample ID: **MMRP06-IS18** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.15U	mg/kg	1.15	1	5/29/2007	EXTR	6/5/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	86.8	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13077
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307708** Date Collected: 5/23/2007 11:00 Matrix: Soil
Sample ID: **MMRP06-IS19** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.14U	mg/kg	1.14	1	5/29/2007	EXTR	6/5/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	87.3	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13077
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID:	**1307709**	Date Collected:	5/23/2007 11:30	Matrix:	Soil
Sample ID:	**MMRP06-IS20**	Date Received:	5/25/2007 12:47		

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.21U	mg/kg	1.21	1	5/29/2007	EXTR	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	82.7	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13077
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307710** Date Collected: 5/23/2007 13:15 Matrix: Soil
Sample ID: **MMRP06-IS21** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.11U	mg/kg	1.11	1	5/29/2007	EXTR	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	90.4	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13077
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307711** Date Collected: 5/23/2007 13:45 Matrix: Soil
Sample ID: **MMRP06-IS22** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.17U	mg/kg	1.17	1	5/29/2007	EXTR	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	85.4	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13077
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307712** Date Collected: 5/23/2007 14:10 Matrix: Soil
Sample ID: **MMRP06-IS23** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.23U	mg/kg	1.23	1	5/29/2007	EXTR	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	81.4	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13077
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307713** Date Collected: 5/23/2007 14:30 Matrix: Soil
Sample ID: **MMRP06-IS24** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.06U	mg/kg	1.06	1	5/29/2007	EXTR	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	93.9	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13077
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID:	**1307714**	Date Collected:	5/23/2007 15:00	Matrix:	Soil
Sample ID:	**MMRP06-IS25**	Date Received:	5/25/2007 12:47		

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	96.9	mg/kg	1.10	1	5/29/2007	EXTR	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	90.5	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS

Project: 13077
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1307715** Date Collected: 5/23/2007 15:30 Matrix: Soil
Sample ID: **MMRP06-IS26** Date Received: 5/25/2007 12:47

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.26U	mg/kg	1.26	1	5/29/2007	EXTR	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	79.7	%		1			5/29/2007	2171			

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ANALYTICAL RESULTS QUALIFIERS

Project: 13077
Project ID: CAMP LEJUENE

PARAMETER QUALIFIERS

AFU/AFCEE U Flag Quant

AFJ/AFCEE J Flag Surrogates

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of extract, or moisture content

AFCEE J Flag Surrogates

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QUALITY CONTROL DATA

Project: 13077
Project ID: CAMP LEJUENE

QC Batch: WC/16136 Analysis Method: EPA 314.0
QC Batch Method: EPA 314.0 Analysis Description: Analytical procedure for 314.0

Associated Lab Samples: 1307701 1307702 1307703 1307704 1307705 1307706 1307707 1307708 1307709 1307710 1307711 1307712 1307713 1307714 1307715 1307801 1307802

METHOD BLANK: 141365

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Perchlorate	mg/kg	1.00U	1.00	

METHOD BLANK: 141368

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Perchlorate	mg/kg	1.00U	1.00	

LABORATORY CONTROL SAMPLE & LCSD: 141366 141367

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Perchlorate	mg/kg	25.0	25.4	26.8	102	107	80-120	5.18	20	

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QUALITY CONTROL DATA QUALIFIERS

Project: 13077
Project ID: CAMP LEJUENE

QUALITY CONTROL PARAMETER QUALIFIERS

Dilution factor shown represents the factor applied to the sample preparation, dilution of extract, or moisture content reported result and reporting limit due to changes in

LCS(D)/Laboratory Control Sample (Duplicate)

MS(D)/Matrix Spike (Duplicate)

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 13077
Project ID: CAMP LEJUENE

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1307701	MMRP06-IS12	% Solids	EXTR/11536		
1307702	MMRP06-IS13	% Solids	EXTR/11536		
1307703	MMRP06-IS14	% Solids	EXTR/11536		
1307704	MMRP06-IS15	% Solids	EXTR/11536		
1307705	MMRP06-IS16	% Solids	EXTR/11536		
1307706	MMRP06-IS17	% Solids	EXTR/11536		
1307707	MMRP06-IS18	% Solids	EXTR/11536		
1307708	MMRP06-IS19	% Solids	EXTR/11536		
1307709	MMRP06-IS20	% Solids	EXTR/11536		
1307710	MMRP06-IS21	% Solids	EXTR/11536		
1307711	MMRP06-IS22	% Solids	EXTR/11536		
1307712	MMRP06-IS23	% Solids	EXTR/11536		
1307713	MMRP06-IS24	% Solids	EXTR/11536		
1307714	MMRP06-IS25	% Solids	EXTR/11536		
1307715	MMRP06-IS26	% Solids	EXTR/11536		
1307701	MMRP06-IS12	EPA 314.0	EXTR/11538	EPA 314.0	WC/16136
1307702	MMRP06-IS13	EPA 314.0	EXTR/11538	EPA 314.0	WC/16136
1307703	MMRP06-IS14	EPA 314.0	EXTR/11538	EPA 314.0	WC/16136
1307704	MMRP06-IS15	EPA 314.0	EXTR/11538	EPA 314.0	WC/16136
1307705	MMRP06-IS16	EPA 314.0	EXTR/11538	EPA 314.0	WC/16136
1307706	MMRP06-IS17	EPA 314.0	EXTR/11538	EPA 314.0	WC/16136
1307707	MMRP06-IS18	EPA 314.0	EXTR/11538	EPA 314.0	WC/16136
1307708	MMRP06-IS19	EPA 314.0	EXTR/11538	EPA 314.0	WC/16136
1307709	MMRP06-IS20	EPA 314.0	EXTR/11538	EPA 314.0	WC/16136
1307710	MMRP06-IS21	EPA 314.0	EXTR/11538	EPA 314.0	WC/16136
1307711	MMRP06-IS22	EPA 314.0	EXTR/11538	EPA 314.0	WC/16136
1307712	MMRP06-IS23	EPA 314.0	EXTR/11538	EPA 314.0	WC/16136
1307713	MMRP06-IS24	EPA 314.0	EXTR/11538	EPA 314.0	WC/16136
1307714	MMRP06-IS25	EPA 314.0	EXTR/11538	EPA 314.0	WC/16136
1307715	MMRP06-IS26	EPA 314.0	EXTR/11538	EPA 314.0	WC/16136

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SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76058

Client	Report to Contact: Paul K. Riley	Telephone No. / Fax No. / E-mail: 803 791 9700	Quote No.
Address	Sampler's Signature	Waybill No.	Page 1 of 2
City / State / Zip Code	X_____ Printed Name	Analysis (Attach list if more space is needed.)	
Project Name			
Project No. / P.O. No.			Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Perchlorate	Explosives	Remarks / Cooler I.D.
DE 24017-001	5/23/07	0800			1								✓	✓	1307701
-002		0830			1								✓	✓	1307702
-003		0900			1								✓	✓	1307703
-004		0930			1								✓	✓	1307704
-005		0940			1								✓	✓	1307705
-006		1000			1								✓	✓	1307706
-007		1030			1								✓	✓	1307707
-008		1100			1								✓	✓	1307708
-009		1130			1								✓	✓	1307709
-010		1315			1								✓	✓	1307710

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☑ Standard ☐ Rush (Specify)

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: G. Chen	5/24/07	1730	1. Received by: FEDEX	5/24/07	1730
2. Relinquished by			2. Received by: Jennifer Doren	5/25/07	9:15
3. Relinquished by			3. Laboratory received by		

Comments

LAB USE ONLY
Received on Ice (Circle) Yes No Ice Pack
Receipt Temp. 2.1 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76059

Client	Report to Contact: Paul K. Biary	Telephone No. / Fax No. / E-mail	Quote No.
Address	Sampler's Signature	Waybill No.	Page 2 of 2
City / State / Zip Code	X Printed Name	Analysis (Attach list if more space is needed.)	
Project Name			
Project No. / P.O. No.			Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Explosives	Nitrates	Remarks / Cooler I.D.
IE 24017-011	5/23/07	1345			✓		1						✓	✓	1307711
-012		1410			✓		1						✓	✓	1307712
-015		1430			✓		1						✓	✓	1307713
-016		1500			✓		1						✓	✓	1307714
-017		1530			✓		1						✓	✓	1307715
-018		1552		✓			3						✓	✓	1307801
-019	↓	1600		✓			3						✓	✓	1307802

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☐ Standard ☐ Rush (Specify)

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by [signature]	5/24/07	1730	1. Received by FEDEX	5-24-07	1730
2. Relinquished by			2. Received by Jennifer Dover	5/25/07	9:15
3. Relinquished by			3. Laboratory received by		

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 2.1 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

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WORKORDER SUMMARY REPORT

Workorder: 13077 **Account:** SHEALY **Project:** CAMP LEJUENE
SDG-Case: CAMP **Status:** CLOSED **QC Type:** REPORT LCS/LCSD
Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1307701	MMRP06-IS12	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307702	MMRP06-IS13	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307703	MMRP06-IS14	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307704	MMRP06-IS15	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307705	MMRP06-IS16	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307706	MMRP06-IS17	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			

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WORKORDER SUMMARY REPORT

Workorder: 13077 **Account:** SHEALY **Project:** CAMP LEJUENE
SDG-Case: CAMP **Status:** CLOSED **QC Type:** REPORT LCS/LCSD
Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307707	MMRP06-IS18	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307708	MMRP06-IS19	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307709	MMRP06-IS20	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307710	MMRP06-IS21	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307711	MMRP06-IS22	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307712	MMRP06-IS23	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			

CompuChem

a division of Liberty Analytical Corp.

WORKORDER SUMMARY REPORT

Workorder: 13077 **Account:** SHEALY **Project:** CAMP LEJUENE

SDG-Case: CAMP **Status:** CLOSED **QC Type:** REPORT LCS/LCSD

Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307713	MMRP06-IS24	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307714	MMRP06-IS25	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307715	MMRP06-IS26	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			

Subcontracted Data

CompuChem

a division of Liberty Analytical Corp.

08-Jun-07

LORIE CARLISLE
ARCADIS
801 CORPORATE CENTER DRIVE
SUITE 300
RALEIGH, NC 27607

Subject:
Report of Data-Project: CAMP LEJUENE Workorder: 13078

Attn.: LORIE CARLISLE

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem
A Division of Liberty Analytical

Attachment

TOTAL NUMBER
OF PAGES_____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Hsn	Client ID	Wordorder	Matrix	Account	Project	Report
1307801	MMRP06-TW04	13078	W	SHEALY	CAMP LEJUENE	
1307802	MMRP06-TW06	13078	W	SHEALY	CAMP LEJUENE	

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG #13078
PROTOCOL: SW-846 8330

SAMPLE IDENTIFICATIONS: MMRP06-TW04 and MMRP06-TW06

Tht two water samples listed above were scheduled for the requested analyses of the explosives fraction. Method 8330 was used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. This portion of the SDG narrative deals with the explosives analysis only. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG #13078 are included in the sample data sections.

Explosives

Extraction and analysis holding time requirements were met for the sample. The peaks for Tetryl and Nitrobenze for the LCS and LCSD are outside of the retention window due to a software error. The peaks are integrated together since separation did not occur in the Ical. The retention time window is set by the taller of the two peaks, which is shifting from the right to the left peak.

No target analytes confirmed above the Quantitation Limit (QL) in the samples.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the surrogates met recovery and retention time criteria.

The associated method blank met all quality control criteria.

Duplicate matrix spikes (MS/MSD) were not performed with this SDG. The associated Laboratory Control Samples (LCS/LCSD) prepared and analyzed along with the samples met all recovery and precision criteria. The LCS/LCSD is reported from the confirmation column (Pinnacle Cyano) due to the co-elution of Tetryl and Nitrobenzene on the primary column (C18).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Teresa Amentt Jennings

Teresa Amentt Jennings
GC/HPLC Supervisor
June 8, 2007

SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76059

Client	Report to Contact: Paul K. Biery	Telephone No. / Fax No. / E-mail	Quote No.
Address	Sampler's Signature	Waybill No.	Page 2 of 2
City / State / Zip Code	X_____ Printed Name	Analysis (Attach list if more space is needed.)	
Project Name			
Project No. / P.O. No.			Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Explosives Archives					Remarks / Cooler I.D.
IE24017-011	5/23/07	1345			✓		1						✓	✓			1307711	
-012		1410			✓		1						✓	✓			1307712	
-015		1430			✓		1						✓	✓			1307713	
-016		1500			✓		1						✓	✓			1307714	
-017		1520			✓		1						✓	✓			1307715	
-018		1552		✓			3						✓	✓			1307801	
-019		1600		✓			3						✓	✓			1307802	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☑ Standard ☐ Rush (Specify)

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by [signature]	5/24/07	1730	1. Received by FEDEX	5-24-07	1730
2. Relinquished by			2. Received by Jennifer Dove	5/25/07	9:15
3. Relinquished by			3. Laboratory received by		

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 2.1 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

CompuChem

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WORKORDER SUMMARY REPORT

Workorder: 13078 **Account:** SHEALY **Project:** CAMP LEJUENE

SDG-Case: CAMP **Status:** CLOSED **QC Type:** REPORT LCS/LCSD

Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1307801	MMRP06-TW04	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
W	3140CL04.W	Perchlorate by IC 314.0 Water			
W	GW8330SPAL	SOLID PHASE EXPLOSIVE 8330 ALL			
1307802	MMRP06-TW06	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
W	3140CL04.W	Perchlorate by IC 314.0 Water			
W	GW8330SPAL	SOLID PHASE EXPLOSIVE 8330 ALL			

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-TW04

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13078

Matrix: (soil/water) WATER Lab Sample ID: 1307801

Sample wt/vol: 500.0 (g/ml) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	2.5	U
121-82-4	RDX	2.5	U
99-35-4	1,3,5-Trinitrobenzene	2.5	U
99-65-0	1,3-Dinitrobenzene	2.5	U
479-45-8	Tetryl	5.0	U
98-95-3	Nitrobenzene	2.5	U
118-96-7	2,4,6-Trinitrotoluene	2.5	U
35572-78-2	2-Amino-4,6-dinitrotoluene	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
1946-51-0	4-Amino-2,6-dinitrotoluene	5.0	U
88-72-2	2-Nitrotoluene	5.0	U
99-99-0	4-Nitrotoluene	5.0	U
99-08-1	3-Nitrotoluene	5.0	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-TW06

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13078

Matrix: (soil/water) WATER Lab Sample ID: 1307802

Sample wt/vol: 500.0 (g/ml) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	2.5	U
121-82-4	RDX	2.5	U
99-35-4	1,3,5-Trinitrobenzene	2.5	U
99-65-0	1,3-Dinitrobenzene	2.5	U
479-45-8	Tetryl	5.0	U
98-95-3	Nitrobenzene	2.5	U
118-96-7	2,4,6-Trinitrotoluene	2.5	U
35572-78-2	2-Amino-4,6-dinitrotoluene	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
1946-51-0	4-Amino-2,6-dinitrotoluene	5.0	U
88-72-2	2-Nitrotoluene	5.0	U
99-99-0	4-Nitrotoluene	5.0	U
99-08-1	3-Nitrotoluene	5.0	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PWLLCS

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13078

Matrix: (soil/water) WATER Lab Sample ID: 141099

Sample wt/vol: 500.0 (g/ml) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received:

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/07/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	5.8	
121-82-4	RDX	7.7	
99-35-4	1,3,5-Trinitrobenzene	7.0	
99-65-0	1,3-Dinitrobenzene	6.9	
479-45-8	Tetryl	8.2	
98-95-3	Nitrobenzene	6.2	
118-96-7	2,4,6-Trinitrotoluene	7.2	
35572-78-2	2-Amino-4,6-dinitrotoluene	10	
606-20-2	2,6-Dinitrotoluene	10	
121-14-2	2,4-Dinitrotoluene	6.4	
1946-51-0	4-Amino-2,6-dinitrotoluene	11	
88-72-2	2-Nitrotoluene	9.6	
99-99-0	4-Nitrotoluene	9.6	
99-08-1	3-Nitrotoluene	9.4	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PWLLCSD

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13078

Matrix: (soil/water) WATER Lab Sample ID: 141100

Sample wt/vol: 500.0 (g/ml) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received:

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/07/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	6.2	
121-82-4	RDX	7.4	
99-35-4	1,3,5-Trinitrobenzene	7.0	
99-65-0	1,3-Dinitrobenzene	7.0	
479-45-8	Tetryl	8.4	
98-95-3	Nitrobenzene	6.5	
118-96-7	2,4,6-Trinitrotoluene	6.7	
35572-78-2	2-Amino-4,6-dinitrotoluene	10	
606-20-2	2,6-Dinitrotoluene	10	
121-14-2	2,4-Dinitrotoluene	6.6	
1946-51-0	4-Amino-2,6-dinitrotoluene	10	
88-72-2	2-Nitrotoluene	9.7	
99-99-0	4-Nitrotoluene	9.3	
99-08-1	3-Nitrotoluene	9.3	

FORM I PEST

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13078

GC Column(1): PINNACLE CYANO ID: 4.60 (mm) GC Column(2): C18 ID: 4.60

	EPA SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	S2 1 %REC #	S2 2 %REC #	S3 1 %REC #	S3 2 %REC #	TOT OUT
01	PBLKWL	100	86					0
02	PWLLCS	84	80					0
03	PWLLCSD	85	82					0
04	MMRP06-TW04		88					0
05	MMRP06-TW06		85					0
06								
07								
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27								
28								
29								
30								

ADVISORY
QC LIMITS

S1 = 1,4-Dinitrobenzene (39-132)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

3E
WATER PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13078

LCS ID: PWLLCS Matrix Spike - EPA Sample No.: PWLLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
HMX	8.0		5.8	72	50-150
RDX	8.0		7.7	96	50-150
1,3,5-Trinitrobenzene	8.0		7.0	88	50-150
1,3-Dinitrobenzene	8.0		6.9	86	50-150
Tetryl	12		8.2	68	50-150
Nitrobenzene	8.0		6.2	77	50-150
2,4,6-Trinitrotoluene	8.0		7.2	90	50-150
2-Amino-4,6-dinitrotolu	12		10	83	50-150
2,6-Dinitrotoluene	12		10	83	50-150
2,4-Dinitrotoluene	8.0		6.4	80	50-150
4-Amino-2,6-dinitrotolu	12		11	92	50-150
2-Nitrotoluene	12		9.6	80	50-150
4-Nitrotoluene	12		9.6	80	50-150
3-Nitrotoluene	12		9.4	78	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3E
WATER PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13078

LCS ID: PWLLCS Matrix Spike - EPA Sample No.: PWLLCS

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	8.0	6.2	78	7	30	50-150
RDX	8.0	7.4	92	4	30	50-150
1,3,5-Trinitrobenzene	8.0	7.0	88	0	30	50-150
1,3-Dinitrobenzene	8.0	7.0	88	1	30	50-150
Tetryl	12	8.4	81	3	30	50-150
Nitrobenzene	8.0	6.5	70	5	30	50-150
2,4,6-Trinitrotoluene	8.0	6.7	84	7	30	50-150
2-Amino-4,6-dinitrotolu	12	10	83	0	30	50-150
2,6-Dinitrotoluene	12	10	83	0	30	50-150
2,4-Dinitrotoluene	8.0	6.6	82	3	30	50-150
4-Amino-2,6-dinitrotolu	12	10	83	10	30	50-150
2-Nitrotoluene	12	9.7	81	1	30	50-150
4-Nitrotoluene	12	9.3	78	3	30	50-150
3-Nitrotoluene	12	9.3	78	1	30	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 14 outside limits
Spike Recovery: 0 out of 28 outside limits

COMMENTS: _____

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKWL

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13078

Lab Sample ID: 141098 Lab File ID: 017Y141098

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SOLIDPHASE

Sulfur Cleanup (Y/N) N Date Extracted: 05/29/07

Date Analyzed (1): 06/06/07 Date Analyzed (2): 06/07/07

Time Analyzed (1): 0414 Time Analyzed (2): 2234

Instrument ID (1): A11002 Instrument ID (2): A11001

GC Column (1): PINNACLE CYANO ID: 4.60(mm) GC Column (2): C18 ID: 4.60

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PWLLCS	141099	06/06/07	06/07/07
02	PWLLCSD	141100	06/06/07	06/07/07
03	MMRP06-TW04	1307801		06/08/07
04	MMRP06-TW06	1307802		06/08/07
05				
06				
07				
08				
09				
10				
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24				
25				
26				

COMMENTS:

FORM IV PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKWL

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13078

Matrix: (soil/water) WATER Lab Sample ID: 141098

Sample wt/vol: 500.0 (g/ml) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SOLIDPHASE Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/07/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
2691-41-0	HMX	2.5	U
121-82-4	RDX	2.5	U
99-35-4	1,3,5-Trinitrobenzene	2.5	U
99-65-0	1,3-Dinitrobenzene	2.5	U
479-45-8	Tetryl	5.0	U
98-95-3	Nitrobenzene	2.5	U
118-96-7	2,4,6-Trinitrotoluene	2.5	U
35572-78-2	2-Amino-4,6-dinitrotoluene	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
1946-51-0	4-Amino-2,6-dinitrotoluene	5.0	U
88-72-2	2-Nitrotoluene	5.0	U
99-99-0	4-Nitrotoluene	5.0	U
99-08-1	3-Nitrotoluene	5.0	U

FORM I PEST

Subcontracted Data

CompuChem
a division of Liberty Analytical Corp.

CompuChem a Division of Liberty Analytical Corp.
Remit to: P.O. Box 4603
Cary, NC 27519-4603
Phone: (919) 379-4100
Fax: (919) 379-4050

Friday, June 08, 2007

LORIE CARLISLE
ARCADIS
801 CORPORATE CENTER DRIVE
SUITE 300
RALEIGH, NC 27607

RE: Project: 13078
Project ID: CAMP LEJUENE

Dear LORIE CARLISLE: .

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, May 25, 2007. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.
If you have any questions concerning this report, please feel free to contact your project manager.

Sincerely,

Paul E. Cvetich for
Marlene F. Swift
mswift@compuchemlabs.com

YES

Enclosures

REPORT OF LABORATORY ANALYSIS
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a division of Liberty Analytical Corp.

CompuChem a Division of Liberty Analytical Corp.
Remit to: P.O. Box 4603
Cary, NC 27519-4603
Phone: (919) 379-4100
Fax: (919) 379-4050

SAMPLE SUMMARY

Project: 13078
Project ID: CAMP LEJUENE

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1307801	**MMRP06-TW04**	Water	5/23/2007 15:52	5/25/2007 12:47
1307802	**MMRP06-TW06**	Water	5/23/2007 10:00	5/25/2007 12:47

REPORT OF LABORATORY ANALYSIS
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a division of Liberty Analytical Corp.

CompuChem a Division of Liberty Analytical Corp.
Remit to: P.O. Box 4603
Cary, NC 27519-4603
Phone: (919) 379-4100
Fax: (919) 379-4050

SAMPLE ANALYTE COUNT

Project: 13078
Project ID: CAMP LEJUENE

Lab ID	Sample ID	Method	Analytes Reported
1307801	**MMRP06-TW04**	EPA 314.0	1
1307802	**MMRP06-TW06**	EPA 314.0	1

REPORT OF LABORATORY ANALYSIS
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Cary, NC 27519-4603
Phone: (919) 379-4100
Fax: (919) 379-4050

ANALYTICAL RESULTS

Project: 13078
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID:	**1307801**	Date Collected:	5/23/2007 15:52	Matrix:	Water
Sample ID:	**MMRP06-TW04**	Date Received:	5/25/2007 12:47		

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Water			Analytical Method: EPA 314.0								
Perchlorate	10.0U	ug/L	10.0	1			6/1/2007 00:00	2152			

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ANALYTICAL RESULTS

Project: 13078
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID:	**1307802**	Date Collected:	5/23/2007 10:00	Matrix:	Water
Sample ID:	**MMRP06-TW06**	Date Received:	5/25/2007 12:47		

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Water			Analytical Method: EPA 314.0								
Perchlorate	10.0U	ug/L	10.0	1			6/6/2007 00:00	2152			

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ANALYTICAL RESULTS QUALIFIERS

Project: 13078
Project ID: CAMP LEJUENE

PARAMETER QUALIFIERS

AFU/AFCEE U Flag Quant

AFJ/AFCEE J Flag Surrogates

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of extract, or moisture content

AFCEE J Flag Surrogates

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QUALITY CONTROL DATA

Project: 13078
Project ID: CAMP LEJUENE

QC Batch: WC/16136 Analysis Method: EPA 314.0
QC Batch Method: EPA 314.0 Analysis Description: Analytical procedure for 314.0
Associated Lab Samples: 1307801 1307802

METHOD BLANK: 141365

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Perchlorate	ug/L	10.0U	10.0	

METHOD BLANK: 141368

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Perchlorate	ug/L	10.0U	10.0	

LABORATORY CONTROL SAMPLE & LCSD: 141366 141367

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Perchlorate	ug/L	250	254	268	102	107	80-120	5.18	20	

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QUALITY CONTROL DATA QUALIFIERS

Project: 13078

Project ID: CAMP LEJUENE

QUALITY CONTROL PARAMETER QUALIFIERS

Dilution factor shown represents the factor applied to the sample preparation, dilution of extract, or moisture content reported result and reporting limit due to changes in

LCS(D)/Laboratory Control Sample (Duplicate)

MS(D)/Matrix Spike (Duplicate)

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 13078
Project ID: CAMP LEJUENE

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1307801	**MMRP06-TW04**	EPA 314.0	WC/16136		
1307802	**MMRP06-TW06**	EPA 314.0	WC/16136		

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SHEALY *Chain of Custody Record*

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76059

Client	Report to Contact: Paul K. Biery	Telephone No. / Fax No. / E-mail	Quote No.
Address	Sampler's Signature	Waybill No.	Page 2 of 2
City / State / Zip Code	X Printed Name	Analysis (Attach list if more space is needed.)	
Project Name			
Project No. / P.O. No.			Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	5035 Kit	Explosives (Analytical)				Remarks / Cooler I.D.
IE24017-011	5/23/07	1345			✓		1						✓	✓			1307711
-012		1410			✓		1						✓	✓			1307712
-015		1430			✓		1						✓	✓			1307713
-016		1500			✓		1						✓	✓			1307714
-017		1530			✓		1						✓	✓			1307715
-018		1552		✓			3						✓	✓			1307801
-019	↓	1600		✓			3						✓	✓			1307802

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☑ Standard ☐ Rush (Specify)

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by [signature]	5/24/07	1730	1. Received by FEDEX	5-24-07	1730
2. Relinquished by			2. Received by Jennifer Dove	5/25/07	9:15
3. Relinquished by			3. Laboratory received by		

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 2.1 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

CompuChem

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WORKORDER SUMMARY REPORT

Workorder: 13078 **Account:** SHEALY **Project:** CAMP LEJUENE

SDG-Case: CAMP **Status:** CLOSED **QC Type:** REPORT LCS/LCSD

Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1307801	MMRP06-TW04	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
W	3140CL04.W	Perchlorate by IC 314.0 Water			
W	GW8330SPAL	SOLID PHASE EXPLOSIVE 8330 ALL			
1307802	MMRP06-TW06	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
W	3140CL04.W	Perchlorate by IC 314.0 Water			
W	GW8330SPAL	SOLID PHASE EXPLOSIVE 8330 ALL			

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

June 30, 2007 9:29:42AM

Client: Shealy Environmental Services (8677)
106 Vantage Point Drive
Cayce, SC 29033
Attn: Paul Biery

Work Order: NQE3355
Project Name: Shealy Environmental Services-SC
Project Nbr: [none]
P/O Nbr:
Date Received: 05/25/07

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MMRP06-IS12	NQE3355-01	05/23/07 08:00
MMRP06-IS13	NQE3355-02	05/23/07 08:30
MMRP06-IS14	NQE3355-03	05/23/07 09:00
MMRP06-IS15	NQE3355-04	05/23/07 09:30
MMRP06-IS16	NQE3355-05	05/23/07 09:40
MMRP06-IS17	NQE3355-06	05/23/07 10:00
MMRP06-IS18	NQE3355-07	05/23/07 10:30
MMRP06-IS19	NQE3355-08	05/23/07 11:00
MMRP06-IS20	NQE3355-09	05/23/07 11:30
MMRP06-IS21	NQE3355-10	05/23/07 13:15
MMRP06-IS22	NQE3355-11	05/23/07 13:45
MMRP06-IS23	NQE3355-12	05/23/07 14:10
MMRP06-IS24	NQE3355-13	05/23/07 14:30
MMRP06-IS25	NQE3355-14	05/23/07 15:00
MMRP06-IS26	NQE3355-15	05/23/07 15:30
MMRP06-TW04	NQE3355-16	05/22/07 15:52
MMP06-TW06	NQE3355-17	05/22/07 16:00

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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South Carolina Certification Number: WW & S/HW cert - 84009001 DW cert - 84009002
The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.
Estimated uncertainity is available upon request.
This report has been electronically signed.
Report Approved By:

Roxanne L. Connor

Roxanne Connor

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677) 106 Vantage Point Drive Cayce, SC 29033	Work Order:	NQE3355
		Project Name:	Shealy Environmental Services-SC
		Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

Program Manager - Conventional Accounts

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3355
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQE3355-01 (MMRP06-IS12 - Soil) Sampled: 05/23/07 08:00								
General Chemistry Parameters								
% Dry Solids	**92.1**		%	0.500	1	06/04/07 01:40	SW-846	7060019
Extractable Organic Halides	**62.8**		mg/kg dry	54.3	1	06/16/07 16:40	SW846 9023	7061759
Sample ID: NQE3355-02 (MMRP06-IS13 - Soil) Sampled: 05/23/07 08:30								
General Chemistry Parameters								
% Dry Solids	**79.4**		%	0.500	1	06/04/07 01:40	SW-846	7060019
Extractable Organic Halides	ND		mg/kg dry	63.0	1	06/16/07 16:40	SW846 9023	7061759
Sample ID: NQE3355-03 (MMRP06-IS14 - Soil) Sampled: 05/23/07 09:00								
General Chemistry Parameters								
% Dry Solids	**94.3**		%	0.500	1	06/04/07 01:40	SW-846	7060019
Extractable Organic Halides	ND		mg/kg dry	53.0	1	06/16/07 16:40	SW846 9023	7061759
Sample ID: NQE3355-04 (MMRP06-IS15 - Soil) Sampled: 05/23/07 09:30								
General Chemistry Parameters								
% Dry Solids	**83.8**		%	0.500	1	06/04/07 01:40	SW-846	7060019
Extractable Organic Halides	ND		mg/kg dry	59.7	1	06/16/07 16:40	SW846 9023	7061759
Sample ID: NQE3355-05 (MMRP06-IS16 - Soil) Sampled: 05/23/07 09:40								
General Chemistry Parameters								
% Dry Solids	**87.0**		%	0.500	1	06/04/07 01:40	SW-846	7060019
Extractable Organic Halides	ND		mg/kg dry	57.5	1	06/16/07 16:40	SW846 9023	7061759
Sample ID: NQE3355-06 (MMRP06-IS17 - Soil) Sampled: 05/23/07 10:00								
General Chemistry Parameters								
% Dry Solids	**85.4**		%	0.500	1	06/04/07 01:40	SW-846	7060019
Extractable Organic Halides	ND		mg/kg dry	58.5	1	06/16/07 16:40	SW846 9023	7061759
Sample ID: NQE3355-07 (MMRP06-IS18 - Soil) Sampled: 05/23/07 10:30								
General Chemistry Parameters								
% Dry Solids	**82.7**		%	0.500	1	06/04/07 01:40	SW-846	7060019
Extractable Organic Halides	**79.6**		mg/kg dry	60.5	1	06/16/07 16:40	SW846 9023	7061759
Sample ID: NQE3355-08 (MMRP06-IS19 - Soil) Sampled: 05/23/07 11:00								
General Chemistry Parameters								
% Dry Solids	**92.1**		%	0.500	1	06/04/07 01:40	SW-846	7060019
Extractable Organic Halides	**88.5**		mg/kg dry	54.3	1	06/16/07 16:40	SW846 9023	7061759
Sample ID: NQE3355-09 (MMRP06-IS20 - Soil) Sampled: 05/23/07 11:30								
General Chemistry Parameters								
% Dry Solids	**86.4**		%	0.500	1	06/04/07 01:40	SW-846	7060019
Extractable Organic Halides	ND		mg/kg dry	57.9	1	06/16/07 16:40	SW846 9023	7061759

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Client	Shealy Environmental Services (8677)	Work Order:	NQE3355
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQE3355-10 (MMRP06-IS21 - Soil) Sampled: 05/23/07 13:15								
General Chemistry Parameters								
% Dry Solids	**86.8**		%	0.500	1	06/04/07 01:40	SW-846	7060019
Extractable Organic Halides	**69.0**		mg/kg dry	57.6	1	06/16/07 16:40	SW846 9023	7061759
Sample ID: NQE3355-11 (MMRP06-IS22 - Soil) Sampled: 05/23/07 13:45								
General Chemistry Parameters								
% Dry Solids	**87.8**		%	0.500	1	06/04/07 01:40	SW-846	7060019
Extractable Organic Halides	ND		mg/kg dry	56.9	1	06/16/07 16:40	SW846 9023	7061759
Sample ID: NQE3355-12 (MMRP06-IS23 - Soil) Sampled: 05/23/07 14:10								
General Chemistry Parameters								
% Dry Solids	**81.5**		%	0.500	1	06/04/07 01:40	SW-846	7060019
Extractable Organic Halides	ND		mg/kg dry	61.3	1	06/16/07 16:40	SW846 9023	7061759
Sample ID: NQE3355-13 (MMRP06-IS24 - Soil) Sampled: 05/23/07 14:30								
General Chemistry Parameters								
% Dry Solids	**87.3**		%	0.500	1	06/04/07 01:40	SW-846	7060019
Extractable Organic Halides	**72.6**		mg/kg dry	57.3	1	06/16/07 16:40	SW846 9023	7061759
Sample ID: NQE3355-14 (MMRP06-IS25 - Soil) Sampled: 05/23/07 15:00								
General Chemistry Parameters								
% Dry Solids	**89.3**		%	0.500	1	06/04/07 01:40	SW-846	7060019
Extractable Organic Halides	**99.4**		mg/kg dry	56.0	1	06/16/07 16:40	SW846 9023	7061759
Sample ID: NQE3355-15 (MMRP06-IS26 - Soil) Sampled: 05/23/07 15:30								
General Chemistry Parameters								
% Dry Solids	**89.7**		%	0.500	1	06/04/07 01:40	SW-846	7060019
Extractable Organic Halides	**115**		mg/kg dry	55.7	1	06/16/07 16:40	SW846 9023	7061759
Sample ID: NQE3355-16 (MMRP06-TW04 - Water) Sampled: 05/22/07 15:52								
General Chemistry Parameters								
Total Organic Halides	ND		mg/L	0.0100	1	06/14/07 08:00	SW846 9020B	7064786
Sample ID: NQE3355-17 (MMP06-TW06 - Water) Sampled: 05/22/07 16:00								
General Chemistry Parameters								
Total Organic Halides	**0.0304**		mg/L	0.0100	1	06/14/07 08:00	SW846 9020B	7063012

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ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3355
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
7061759-BLK1						
Extractable Organic Halides	20.6		mg/kg wet	7061759	7061759-BLK1	06/16/07 16:40
7063012-BLK1						
Total Organic Halides	<0.00700		mg/L	7063012	7063012-BLK1	06/14/07 08:00
7064786-BLK1						
Total Organic Halides	<0.00700		mg/L	7064786	7064786-BLK1	06/14/07 08:00

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Client	Shealy Environmental Services (8677) 106 Vantage Point Drive Cayce, SC 29033	Work Order:	NQE3355
		Project Name:	Shealy Environmental Services-SC
		Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters									
7061759-DUP1									
Extractable Organic Halides	115	86.4	R4	mg/kg dry	28	20	7061759	NQE3355-15	06/16/07 16:40
7063012-DUP1									
Total Organic Halides	0.0304	0.0273		mg/L	11	37	7063012	NQE3355-17	06/14/07 08:00
7064786-DUP1									
Total Organic Halides	ND	ND		mg/L		37	7064786	NQE3355-16	06/14/07 08:00

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Client	Shealy Environmental Services (8677)	Work Order:	NQE3355
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
7061759-BS1								
Extractable Organic Halides	1000	986		ug/mL	99%	90 - 113	7061759	06/16/07 16:40
7063012-BS1								
Total Organic Halides	250	276		ug/L	110%	90 - 130	7063012	06/14/07 08:00
7064786-BS1								
Total Organic Halides	250	276		ug/L	110%	90 - 130	7064786	06/14/07 08:00

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3355
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
General Chemistry Parameters										
7061759-MS1										
Extractable Organic Halides	57.8	956		ug/mL	1000	90%	61 - 141	7061759	NQE3355-01	06/16/07 16:40
7063012-MS1										
Total Organic Halides	18.8	53.9	M8	ug/L	100	35%	69 - 134	7063012	NQE1751-02	06/14/07 08:00
7064786-MS1										
Total Organic Halides	0.0798	0.396	M8	ug/L	100	0%	69 - 134	7064786	NQE3847-01	06/14/07 08:00

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3355
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters												
7061759-MSD1												
Extractable Organic Halides	57.8	935		ug/mL	1000	88%	61 - 141	2	20	7061759	NQE3355-01	06/16/07 16:40
7063012-MSD1												
Total Organic Halides	18.8	0.00	M8, R2	ug/L	100	-19%	69 - 134		37	7063012	NQE1751-02	06/14/07 08:00

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3355
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	South Carolina
SW846 9020B	Water	N/A	X	X
SW846 9023	Soil	N/A	X	
SW-846	Soil			

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3355
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	[none]
Attn	Paul Biery	Received:	05/25/07 08:00

DATA QUALIFIERS AND DEFINITIONS

M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.
R4	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
ND	Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

ANALYTICAL TESTING CORPORATION
Nashville, TN

COOLER RECEIPT FORM

NQE3355

Cooler Received/Opened On: 5/25/07 @ 8:00

1. Tracking # 2760 (last 4 digits, FedEx)

Courier: FED EX IR Gun ID: 90942856

2. Temperature of rep. sample or temp blank when opened: 5.4 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where:

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JR

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #

I certify that I unloaded the cooler and answered questions 7-14 (intial)

15a. on pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA 5.25.07

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here

16. Is residual chlorine present? YES...NO...NA 5.25.07

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial).

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial).

I certify that I attached a label with the unique LIMS number to each container (initial).

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 4/18/07

SHEALY *Chain of Custody Record*

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76061

Client	Report to Contact: Paul K. Biery	Telephone No. / Fax No. / E-mail	Quote No.
Address	Sampler's Signature	Waybill No.	Page 1 of 2
City / State / Zip Code	X Printed Name	Analysis (Attach list if more space is needed.)	
Project Name			
Project No. / P.O. No.			Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	E.O.X	Remarks / Cooler I.D.
DE 24017 - 001	5/23/07	0800			✓		1						✓	-1
-002		0830			✓		1						✓	-2
-003		0900			✓		1						✓	-3
-004		0930			✓		1						✓	-4
-005		0940			✓		1						✓	-5
-006		1000			✓		1						✓	-6
-007		1030			✓		1						✓	-7
-008		1100			✓		1						✓	-8
~~-008~~ ECC 009		1130			✓		1						✓	-9
-010		1315			✓		1						✓	-10

NQE3355
06/11/07 23:59

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☑ Standard ☐ Rush (Specify)

QC Requirements (Specify)

1. Relinquished by: G. Chum	Date: 5/24/07	Time: 1730	1. Received by: FEDEX	Date: 5-24-07	Time: 1730
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Laboratory received by: J. Hudson	Date: 5-25-07	Time: 0800

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 5.4 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76060

Client	Report to Contact: Paul R. Binry	Telephone No. / Fax No. / E-mail: 803 791 9700	Quote No.
Address	Sampler's Signature	Waybill No.	Page 2 of 2
City / State / Zip Code	X _____ Printed Name	Analysis (Attach list if more space is needed.)	
Project Name			
Project No. / P.O. No.			Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	E.O.X	T.O.X	Remarks / Cooler I.D.	
RE24017-011	5/23/07	1345			✓		1						✓			-11
-012		1410			✓		1						✓			-12
-015		1430			✓		1						✓			-13
-016		1500			✓		1						✓			-14
-017	5/23	1530			✓		1						✓			-15
-018	5/22	1552		✓				1						✓		-16
-019	5/22	1600		✓				1						✓		-17

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☐ Rush (Specify)

QC Requirements (Specify)

1. Relinquished by: [signature]	Date: 5/24/07	Time: 1730	1. Received by: FED EX	Date: 5/24/07	Time: 1730
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Laboratory received by: [signature]	Date: 5.25.07	Time: 0800
Comments			LAB USE ONLY: Received on ice (Circle) Yes No Ice Pack	Receipt Temp. 5.4 °C	

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58204-001
Batch: 58204
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/L	05/24/2007 2153
Benzene	ND		1	1.0	ug/L	05/24/2007 2153
Bromodichloromethane	ND		1	1.0	ug/L	05/24/2007 2153
Bromoform	ND		1	1.0	ug/L	05/24/2007 2153
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	05/24/2007 2153
2-Butanone (MEK)	ND		1	10	ug/L	05/24/2007 2153
Carbon disulfide	ND		1	1.0	ug/L	05/24/2007 2153
Carbon tetrachloride	ND		1	1.0	ug/L	05/24/2007 2153
Chlorobenzene	ND		1	1.0	ug/L	05/24/2007 2153
Chloroethane	ND		1	2.0	ug/L	05/24/2007 2153
Chloroform	ND		1	1.0	ug/L	05/24/2007 2153
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	05/24/2007 2153
Cyclohexane	ND		1	1.0	ug/L	05/24/2007 2153
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	05/24/2007 2153
Dibromochloromethane	ND		1	1.0	ug/L	05/24/2007 2153
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	05/24/2007 2153
1,4-Dichlorobenzene	ND		1	1.0	ug/L	05/24/2007 2153
1,3-Dichlorobenzene	ND		1	1.0	ug/L	05/24/2007 2153
1,2-Dichlorobenzene	ND		1	1.0	ug/L	05/24/2007 2153
Dichlorodifluoromethane	ND		1	2.0	ug/L	05/24/2007 2153
1,1-Dichloroethane	ND		1	1.0	ug/L	05/24/2007 2153
1,2-Dichloroethane	ND		1	1.0	ug/L	05/24/2007 2153
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	05/24/2007 2153
1,1-Dichloroethene	ND		1	1.0	ug/L	05/24/2007 2153
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	05/24/2007 2153
1,2-Dichloropropane	ND		1	1.0	ug/L	05/24/2007 2153
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	05/24/2007 2153
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	05/24/2007 2153
Ethylbenzene	ND		1	1.0	ug/L	05/24/2007 2153
2-Hexanone	ND		1	10	ug/L	05/24/2007 2153
Isopropylbenzene	ND		1	1.0	ug/L	05/24/2007 2153
Methyl acetate	ND		1	1.0	ug/L	05/24/2007 2153
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	ug/L	05/24/2007 2153
4-Methyl-2-pentanone	ND		1	10	ug/L	05/24/2007 2153
Methylcyclohexane	ND		1	5.0	ug/L	05/24/2007 2153
Methylene chloride	ND		1	1.0	ug/L	05/24/2007 2153
Styrene	ND		1	1.0	ug/L	05/24/2007 2153
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	05/24/2007 2153
Tetrachloroethene	ND		1	1.0	ug/L	05/24/2007 2153
Toluene	ND		1	1.0	ug/L	05/24/2007 2153
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	1.0	ug/L	05/24/2007 2153
1,2,4-Trichlorobenzene	ND		1	1.0	ug/L	05/24/2007 2153
1,1,1-Trichloroethane	ND		1	1.0	ug/L	05/24/2007 2153
1,1,2-Trichloroethane	ND		1	1.0	ug/L	05/24/2007 2153
Trichloroethene	ND		1	1.0	ug/L	05/24/2007 2153
Trichlorofluoromethane	ND		1	1.0	ug/L	05/24/2007 2153

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58204-001
Batch: 58204
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Vinyl chloride	ND		1	1.0	ug/L	05/24/2007 2153
Xylenes (total)	ND		1	1.0	ug/L	05/24/2007 2153

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-147
1,2-Dichloroethane-d4		78	52-138
Toluene-d8		97	76-125

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58204-002
Batch: 58204
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	79		1	79	73-144	05/24/2007 2048
Benzene	50	46		1	91	72-127	05/24/2007 2048
Bromodichloromethane	50	48		1	96	71-143	05/24/2007 2048
Bromoform	50	54		1	108	65-131	05/24/2007 2048
Bromomethane (Methyl bromide)	50	42		1	83	36-168	05/24/2007 2048
2-Butanone (MEK)	100	81		1	81	60-140	05/24/2007 2048
Carbon disulfide	50	44		1	87	60-140	05/24/2007 2048
Carbon tetrachloride	50	51		1	102	37-166	05/24/2007 2048
Chlorobenzene	50	47		1	95	78-129	05/24/2007 2048
Chloroethane	50	37		1	75	42-163	05/24/2007 2048
Chloroform	50	46		1	92	63-123	05/24/2007 2048
Chloromethane (Methyl chloride)	50	30		1	61	20-158	05/24/2007 2048
Cyclohexane	50	47		1	95	70-130	05/24/2007 2048
1,2-Dibromo-3-chloropropane (DBCP)	50	43		1	87	70-130	05/24/2007 2048
Dibromochloromethane	50	51		1	103	74-134	05/24/2007 2048
1,2-Dibromoethane (EDB)	50	49		1	97	70-130	05/24/2007 2048
1,4-Dichlorobenzene	50	45		1	91	70-130	05/24/2007 2048
1,3-Dichlorobenzene	50	46		1	93	70-130	05/24/2007 2048
1,2-Dichlorobenzene	50	45		1	91	70-130	05/24/2007 2048
Dichlorodifluoromethane	50	32		1	64	10-158	05/24/2007 2048
1,1-Dichloroethane	50	46		1	91	69-132	05/24/2007 2048
1,2-Dichloroethane	50	45		1	90	59-143	05/24/2007 2048
cis-1,2-Dichloroethene	50	44		1	89	70-130	05/24/2007 2048
1,1-Dichloroethene	50	55		1	110	50-132	05/24/2007 2048
trans-1,2-Dichloroethene	50	50		1	99	67-141	05/24/2007 2048
1,2-Dichloropropane	50	43		1	86	71-126	05/24/2007 2048
trans-1,3-Dichloropropene	50	50		1	101	73-131	05/24/2007 2048
cis-1,3-Dichloropropene	50	48		1	97	69-130	05/24/2007 2048
Ethylbenzene	50	49		1	99	79-132	05/24/2007 2048
2-Hexanone	100	78		1	78	60-140	05/24/2007 2048
Isopropylbenzene	50	50		1	100	70-130	05/24/2007 2048
Methyl acetate	50	39		1	78	15-128	05/24/2007 2048
Methyl tertiary butyl ether (MTBE)	50	45		1	90	60-140	05/24/2007 2048
4-Methyl-2-pentanone	100	78		1	78	60-140	05/24/2007 2048
Methylcyclohexane	50	50		1	101	70-130	05/24/2007 2048
Methylene chloride	50	45		1	90	69-129	05/24/2007 2048
Styrene	50	48		1	96	70-130	05/24/2007 2048
1,1,2,2-Tetrachloroethane	50	43		1	86	60-155	05/24/2007 2048
Tetrachloroethene	50	52		1	103	74-128	05/24/2007 2048
Toluene	50	46		1	92	75-125	05/24/2007 2048
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	47		1	94	70-130	05/24/2007 2048
1,2,4-Trichlorobenzene	50	48		1	95	70-130	05/24/2007 2048
1,1,1-Trichloroethane	50	52		1	104	77-132	05/24/2007 2048
1,1,2-Trichloroethane	50	45		1	91	77-132	05/24/2007 2048
Trichloroethene	50	48		1	95	73-124	05/24/2007 2048
Trichlorofluoromethane	50	54		1	109	41-173	05/24/2007 2048

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58204-002
Batch: 58204
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl chloride	50	38		1	76	29-159	05/24/2007 2048
Xylenes (total)	100	94		1	94	70-130	05/24/2007 2048

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-147
1,2-Dichloroethane-d4		76	52-138
Toluene-d8		98	76-125

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58204-003
Batch: 58204
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	76		1	76	3.4	73-144	20	05/24/2007 2109
Benzene	50	45		1	91	0.11	72-127	20	05/24/2007 2109
Bromodichloromethane	50	48		1	96	0.11	71-143	20	05/24/2007 2109
Bromoform	50	54		1	109	1.2	65-131	20	05/24/2007 2109
Bromomethane (Methyl bromide)	50	41		1	82	2.2	36-168	20	05/24/2007 2109
2-Butanone (MEK)	100	80		1	80	1.7	60-140	20	05/24/2007 2109
Carbon disulfide	50	43		1	85	2.0	60-140	20	05/24/2007 2109
Carbon tetrachloride	50	50		1	100	3.0	37-166	20	05/24/2007 2109
Chlorobenzene	50	48		1	95	0.58	78-129	20	05/24/2007 2109
Chloroethane	50	38		1	75	0.58	42-163	20	05/24/2007 2109
Chloroform	50	45		1	89	2.7	63-123	20	05/24/2007 2109
Chloromethane (Methyl chloride)	50	30		1	60	2.4	20-158	20	05/24/2007 2109
Cyclohexane	50	46		1	91	3.6	70-130	20	05/24/2007 2109
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	89	2.2	70-130	20	05/24/2007 2109
Dibromochloromethane	50	52		1	103	0.48	74-134	20	05/24/2007 2109
1,2-Dibromoethane (EDB)	50	49		1	98	0.98	70-130	20	05/24/2007 2109
1,4-Dichlorobenzene	50	46		1	93	1.8	70-130	20	05/24/2007 2109
1,3-Dichlorobenzene	50	47		1	93	0.22	70-130	20	05/24/2007 2109
1,2-Dichlorobenzene	50	46		1	92	1.7	70-130	20	05/24/2007 2109
Dichlorodifluoromethane	50	32		1	63	1.7	10-158	20	05/24/2007 2109
1,1-Dichloroethane	50	45		1	90	1.3	69-132	20	05/24/2007 2109
1,2-Dichloroethane	50	44		1	88	1.7	59-143	20	05/24/2007 2109
cis-1,2-Dichloroethene	50	44		1	88	0.80	70-130	20	05/24/2007 2109
1,1-Dichloroethene	50	54		1	107	2.6	50-132	20	05/24/2007 2109
trans-1,2-Dichloroethene	50	48		1	96	3.6	67-141	20	05/24/2007 2109
1,2-Dichloropropane	50	43		1	86	0.16	71-126	20	05/24/2007 2109
trans-1,3-Dichloropropene	50	51		1	103	1.8	73-131	20	05/24/2007 2109
cis-1,3-Dichloropropene	50	48		1	96	0.33	69-130	20	05/24/2007 2109
Ethylbenzene	50	50		1	99	0.70	79-132	20	05/24/2007 2109
2-Hexanone	100	78		1	78	0.84	60-140	20	05/24/2007 2109
Isopropylbenzene	50	50		1	101	1.2	70-130	20	05/24/2007 2109
Methyl acetate	50	40		1	80	2.4	15-128	20	05/24/2007 2109
Methyl tertiary butyl ether (MTBE)	50	44		1	89	1.8	60-140	20	05/24/2007 2109
4-Methyl-2-pentanone	100	78		1	78	0.62	60-140	20	05/24/2007 2109
Methylcyclohexane	50	50		1	100	0.034	70-130	20	05/24/2007 2109
Methylene chloride	50	44		1	89	0.66	69-129	20	05/24/2007 2109
Styrene	50	49		1	98	1.4	70-130	20	05/24/2007 2109
1,1,2,2-Tetrachloroethane	50	43		1	87	1.6	60-155	20	05/24/2007 2109
Tetrachloroethene	50	52		1	104	0.28	74-128	20	05/24/2007 2109
Toluene	50	46		1	92	0.50	75-125	20	05/24/2007 2109
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	47		1	93	0.70	70-130	20	05/24/2007 2109
1,2,4-Trichlorobenzene	50	49		1	98	2.4	70-130	20	05/24/2007 2109
1,1,1-Trichloroethane	50	50		1	101	2.9	77-132	20	05/24/2007 2109
1,1,2-Trichloroethane	50	48		1	95	4.8	77-132	20	05/24/2007 2109
Trichloroethene	50	48		1	95	0.22	73-124	20	05/24/2007 2109
Trichlorofluoromethane	50	54		1	108	0.72	41-173	20	05/24/2007 2109

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58204-003
Batch: 58204
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Vinyl chloride	50	37		1	74	2.0	29-159	20	05/24/2007 2109
Xylenes (total)	100	94		1	94	0.26	70-130	20	05/24/2007 2109

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-147
1,2-Dichloroethane-d4		76	52-138
Toluene-d8		97	76-125

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58353-001
Batch: 58353
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/kg	05/28/2007 1324
Benzene	ND		1	5.0	ug/kg	05/28/2007 1324
Bromodichloromethane	ND		1	5.0	ug/kg	05/28/2007 1324
Bromoform	ND		1	5.0	ug/kg	05/28/2007 1324
Bromomethane (Methyl bromide)	ND		1	5.0	ug/kg	05/28/2007 1324
2-Butanone (MEK)	ND		1	10	ug/kg	05/28/2007 1324
Carbon disulfide	ND		1	5.0	ug/kg	05/28/2007 1324
Carbon tetrachloride	ND		1	5.0	ug/kg	05/28/2007 1324
Chlorobenzene	ND		1	5.0	ug/kg	05/28/2007 1324
Chloroethane	ND		1	5.0	ug/kg	05/28/2007 1324
Chloroform	ND		1	5.0	ug/kg	05/28/2007 1324
Chloromethane (Methyl chloride)	ND		1	5.0	ug/kg	05/28/2007 1324
Cyclohexane	ND		1	5.0	ug/kg	05/28/2007 1324
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	ug/kg	05/28/2007 1324
Dibromochloromethane	ND		1	5.0	ug/kg	05/28/2007 1324
1,2-Dibromoethane (EDB)	ND		1	5.0	ug/kg	05/28/2007 1324
1,3-Dichlorobenzene	ND		1	5.0	ug/kg	05/28/2007 1324
1,2-Dichlorobenzene	ND		1	5.0	ug/kg	05/28/2007 1324
1,4-Dichlorobenzene	ND		1	5.0	ug/kg	05/28/2007 1324
Dichlorodifluoromethane	ND		1	5.0	ug/kg	05/28/2007 1324
1,2-Dichloroethane	ND		1	5.0	ug/kg	05/28/2007 1324
1,1-Dichloroethane	ND		1	5.0	ug/kg	05/28/2007 1324
trans-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/28/2007 1324
cis-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/28/2007 1324
1,1-Dichloroethene	ND		1	5.0	ug/kg	05/28/2007 1324
1,2-Dichloropropane	ND		1	5.0	ug/kg	05/28/2007 1324
trans-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/28/2007 1324
cis-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/28/2007 1324
Ethylbenzene	ND		1	5.0	ug/kg	05/28/2007 1324
2-Hexanone	ND		1	10	ug/kg	05/28/2007 1324
Isopropylbenzene	ND		1	5.0	ug/kg	05/28/2007 1324
Methyl acetate	ND		1	5.0	ug/kg	05/28/2007 1324
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	05/28/2007 1324
4-Methyl-2-pentanone	ND		1	10	ug/kg	05/28/2007 1324
Methylcyclohexane	ND		1	5.0	ug/kg	05/28/2007 1324
Methylene chloride	ND		1	5.0	ug/kg	05/28/2007 1324
Styrene	ND		1	5.0	ug/kg	05/28/2007 1324
1,1,2,2-Tetrachloroethane	ND		1	5.0	ug/kg	05/28/2007 1324
Tetrachloroethene	ND		1	5.0	ug/kg	05/28/2007 1324
Toluene	ND		1	5.0	ug/kg	05/28/2007 1324
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	ug/kg	05/28/2007 1324
1,2,4-Trichlorobenzene	ND		1	5.0	ug/kg	05/28/2007 1324
1,1,2-Trichloroethane	ND		1	5.0	ug/kg	05/28/2007 1324
1,1,1-Trichloroethane	ND		1	5.0	ug/kg	05/28/2007 1324
Trichloroethene	ND		1	5.0	ug/kg	05/28/2007 1324
Trichlorofluoromethane	ND		1	5.0	ug/kg	05/28/2007 1324

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58353-001
Batch: 58353
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Vinyl chloride	ND		1	5.0	ug/kg	05/28/2007 1324
Xylenes (total)	ND		1	5.0	ug/kg	05/28/2007 1324

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	47-138
1,2-Dichloroethane-d4		109	53-142
Toluene-d8		104	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58353-002
Batch: 58353
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	112	42-149	05/28/2007 1214
Benzene	50	54		1	109	69-123	05/28/2007 1214
Bromodichloromethane	50	52		1	105	69-121	05/28/2007 1214
Bromoform	50	43		1	86	61-119	05/28/2007 1214
Bromomethane (Methyl bromide)	100	100		1	105	35-144	05/28/2007 1214
2-Butanone (MEK)	100	110		1	111	57-148	05/28/2007 1214
Carbon disulfide	50	54		1	109	58-122	05/28/2007 1214
Carbon tetrachloride	50	56		1	112	58-136	05/28/2007 1214
Chlorobenzene	50	53		1	106	59-129	05/28/2007 1214
Chloroethane	100	110		1	108	50-132	05/28/2007 1214
Chloroform	50	58		1	116	71-125	05/28/2007 1214
Chloromethane (Methyl chloride)	100	110		1	109	34-134	05/28/2007 1214
Cyclohexane	50	63		1	125	53-139	05/28/2007 1214
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	101	55-125	05/28/2007 1214
Dibromochloromethane	50	46		1	93	66-119	05/28/2007 1214
1,2-Dibromoethane (EDB)	50	54		1	108	74-124	05/28/2007 1214
1,3-Dichlorobenzene	50	54		1	109	51-134	05/28/2007 1214
1,2-Dichlorobenzene	50	55		1	110	57-131	05/28/2007 1214
1,4-Dichlorobenzene	50	55		1	110	52-133	05/28/2007 1214
Dichlorodifluoromethane	100	120		1	120	10-157	05/28/2007 1214
1,2-Dichloroethane	50	60		1	120	67-129	05/28/2007 1214
1,1-Dichloroethane	50	58		1	116	71-127	05/28/2007 1214
trans-1,2-Dichloroethene	50	57		1	114	68-131	05/28/2007 1214
cis-1,2-Dichloroethene	50	54		1	108	70-122	05/28/2007 1214
1,1-Dichloroethene	50	62		1	123	69-138	05/28/2007 1214
1,2-Dichloropropane	50	55		1	111	72-124	05/28/2007 1214
trans-1,3-Dichloropropene	50	54		1	109	70-124	05/28/2007 1214
cis-1,3-Dichloropropene	50	55		1	110	70-126	05/28/2007 1214
Ethylbenzene	50	52		1	105	59-128	05/28/2007 1214
2-Hexanone	100	110		1	108	54-137	05/28/2007 1214
Isopropylbenzene	50	55		1	110	50-136	05/28/2007 1214
Methyl acetate	50	57		1	113	59-137	05/28/2007 1214
Methyl tertiary butyl ether (MTBE)	50	55		1	110	72-122	05/28/2007 1214
4-Methyl-2-pentanone	100	110		1	111	60-134	05/28/2007 1214
Methylcyclohexane	50	56		1	113	41-144	05/28/2007 1214
Methylene chloride	50	60		1	120	77-129	05/28/2007 1214
Styrene	50	53		1	107	54-136	05/28/2007 1214
1,1,2,2-Tetrachloroethane	50	54		1	108	69-132	05/28/2007 1214
Tetrachloroethene	50	54		1	107	50-115	05/28/2007 1214
Toluene	50	54		1	107	61-129	05/28/2007 1214
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	56		1	113	49-136	05/28/2007 1214
1,2,4-Trichlorobenzene	50	58		1	115	34-145	05/28/2007 1214
1,1,2-Trichloroethane	50	53		1	106	55-128	05/28/2007 1214
1,1,1-Trichloroethane	50	58		1	115	63-128	05/28/2007 1214
Trichloroethene	50	54		1	108	62-126	05/28/2007 1214
Trichlorofluoromethane	100	120		1	121	45-138	05/28/2007 1214

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58353-002
Batch: 58353
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl chloride	100	110		1	109	42-132	05/28/2007 1214
Xylenes (total)	100	100		1	105	58-128	05/28/2007 1214

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		112	47-138
1,2-Dichloroethane-d4		118	53-142
Toluene-d8		111	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58353-003
Batch: 58353
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	110		1	109	2.2	42-149	20	05/28/2007 1237
Benzene	50	55		1	109	0.39	69-123	20	05/28/2007 1237
Bromodichloromethane	50	54		1	109	3.3	69-121	20	05/28/2007 1237
Bromoform	50	46		1	92	6.4	61-119	20	05/28/2007 1237
Bromomethane (Methyl bromide)	100	100		1	104	1.2	35-144	20	05/28/2007 1237
2-Butanone (MEK)	100	110		1	109	1.9	57-148	20	05/28/2007 1237
Carbon disulfide	50	53		1	106	2.4	58-122	20	05/28/2007 1237
Carbon tetrachloride	50	56		1	112	0.030	58-136	20	05/28/2007 1237
Chlorobenzene	50	54		1	108	1.4	59-129	20	05/28/2007 1237
Chloroethane	100	110		1	107	0.81	50-132	20	05/28/2007 1237
Chloroform	50	57		1	115	0.49	71-125	20	05/28/2007 1237
Chloromethane (Methyl chloride)	100	110		1	108	0.90	34-134	20	05/28/2007 1237
Cyclohexane	50	59		1	118	5.9	53-139	20	05/28/2007 1237
1,2-Dibromo-3-chloropropane (DBCP)	50	53		1	105	4.4	55-125	20	05/28/2007 1237
Dibromochloromethane	50	50		1	100	7.1	66-119	20	05/28/2007 1237
1,2-Dibromoethane (EDB)	50	55		1	111	2.7	74-124	20	05/28/2007 1237
1,3-Dichlorobenzene	50	55		1	109	0.23	51-134	20	05/28/2007 1237
1,2-Dichlorobenzene	50	56		1	111	0.94	57-131	20	05/28/2007 1237
1,4-Dichlorobenzene	50	55		1	109	0.40	52-133	20	05/28/2007 1237
Dichlorodifluoromethane	100	120		1	116	3.9	10-157	20	05/28/2007 1237
1,2-Dichloroethane	50	59		1	119	0.70	67-129	20	05/28/2007 1237
1,1-Dichloroethane	50	57		1	115	1.1	71-127	20	05/28/2007 1237
trans-1,2-Dichloroethene	50	56		1	113	1.2	68-131	20	05/28/2007 1237
cis-1,2-Dichloroethene	50	54		1	108	0.055	70-122	20	05/28/2007 1237
1,1-Dichloroethene	50	60		1	121	1.6	69-138	20	05/28/2007 1237
1,2-Dichloropropane	50	56		1	112	0.96	72-124	20	05/28/2007 1237
trans-1,3-Dichloropropene	50	56		1	112	2.6	70-124	20	05/28/2007 1237
cis-1,3-Dichloropropene	50	55		1	110	0.086	70-126	20	05/28/2007 1237
Ethylbenzene	50	53		1	107	2.0	59-128	20	05/28/2007 1237
2-Hexanone	100	110		1	113	4.7	54-137	20	05/28/2007 1237
Isopropylbenzene	50	55		1	110	0.013	50-136	20	05/28/2007 1237
Methyl acetate	50	55		1	110	2.7	59-137	20	05/28/2007 1237
Methyl tertiary butyl ether (MTBE)	50	54		1	109	1.2	72-122	20	05/28/2007 1237
4-Methyl-2-pentanone	100	110		1	113	2.0	60-134	20	05/28/2007 1237
Methylcyclohexane	50	54		1	108	4.0	41-144	20	05/28/2007 1237
Methylene chloride	50	59		1	118	1.3	77-129	20	05/28/2007 1237
Styrene	50	53		1	107	0.0037	54-136	20	05/28/2007 1237
1,1,2,2-Tetrachloroethane	50	58		1	116	7.1	69-132	20	05/28/2007 1237
Tetrachloroethene	50	52		1	105	2.1	50-115	20	05/28/2007 1237
Toluene	50	54		1	107	0.14	61-129	20	05/28/2007 1237
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	54		1	108	4.2	49-136	20	05/28/2007 1237
1,2,4-Trichlorobenzene	50	54		1	108	6.5	34-145	20	05/28/2007 1237
1,1,2-Trichloroethane	50	54		1	109	2.8	55-128	20	05/28/2007 1237
1,1,1-Trichloroethane	50	57		1	115	0.28	63-128	20	05/28/2007 1237
Trichloroethene	50	54		1	108	0.40	62-126	20	05/28/2007 1237
Trichlorofluoromethane	100	120		1	117	3.0	45-138	20	05/28/2007 1237

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58353-003
Batch: 58353
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Vinyl chloride	100	110		1	107	1.9	42-132	20	05/28/2007 1237
Xylenes (total)	100	110		1	106	0.95	58-128	20	05/28/2007 1237

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		109	47-138
1,2-Dichloroethane-d4		106	53-142
Toluene-d8		104	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58433-001
Batch: 58433
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/kg	05/30/2007 0104
Benzene	ND		1	5.0	ug/kg	05/30/2007 0104
Bromodichloromethane	ND		1	5.0	ug/kg	05/30/2007 0104
Bromoform	ND		1	5.0	ug/kg	05/30/2007 0104
Bromomethane (Methyl bromide)	ND		1	5.0	ug/kg	05/30/2007 0104
2-Butanone (MEK)	ND		1	10	ug/kg	05/30/2007 0104
Carbon disulfide	ND		1	5.0	ug/kg	05/30/2007 0104
Carbon tetrachloride	ND		1	5.0	ug/kg	05/30/2007 0104
Chlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0104
Chloroethane	ND		1	5.0	ug/kg	05/30/2007 0104
Chloroform	ND		1	5.0	ug/kg	05/30/2007 0104
Chloromethane (Methyl chloride)	ND		1	5.0	ug/kg	05/30/2007 0104
Cyclohexane	ND		1	5.0	ug/kg	05/30/2007 0104
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	ug/kg	05/30/2007 0104
Dibromochloromethane	ND		1	5.0	ug/kg	05/30/2007 0104
1,2-Dibromoethane (EDB)	ND		1	5.0	ug/kg	05/30/2007 0104
1,4-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0104
1,3-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0104
1,2-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0104
Dichlorodifluoromethane	ND		1	5.0	ug/kg	05/30/2007 0104
1,2-Dichloroethane	ND		1	5.0	ug/kg	05/30/2007 0104
1,1-Dichloroethane	ND		1	5.0	ug/kg	05/30/2007 0104
trans-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0104
1,1-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0104
cis-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0104
1,2-Dichloropropane	ND		1	5.0	ug/kg	05/30/2007 0104
trans-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/30/2007 0104
cis-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/30/2007 0104
Ethylbenzene	ND		1	5.0	ug/kg	05/30/2007 0104
2-Hexanone	ND		1	10	ug/kg	05/30/2007 0104
Isopropylbenzene	ND		1	5.0	ug/kg	05/30/2007 0104
Methyl acetate	ND		1	5.0	ug/kg	05/30/2007 0104
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	05/30/2007 0104
4-Methyl-2-pentanone	ND		1	10	ug/kg	05/30/2007 0104
Methylcyclohexane	ND		1	5.0	ug/kg	05/30/2007 0104
Methylene chloride	ND		1	5.0	ug/kg	05/30/2007 0104
Styrene	ND		1	5.0	ug/kg	05/30/2007 0104
1,1,2,2-Tetrachloroethane	ND		1	5.0	ug/kg	05/30/2007 0104
Tetrachloroethene	ND		1	5.0	ug/kg	05/30/2007 0104
Toluene	ND		1	5.0	ug/kg	05/30/2007 0104
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	ug/kg	05/30/2007 0104
1,2,4-Trichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0104
1,1,1-Trichloroethane	ND		1	5.0	ug/kg	05/30/2007 0104
1,1,2-Trichloroethane	ND		1	5.0	ug/kg	05/30/2007 0104
Trichloroethene	ND		1	5.0	ug/kg	05/30/2007 0104
Trichlorofluoromethane	ND		1	5.0	ug/kg	05/30/2007 0104

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58433-001
Batch: 58433
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Vinyl chloride	ND		1	5.0	ug/kg	05/30/2007 0104
Xylenes (total)	ND		1	5.0	ug/kg	05/30/2007 0104

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	47-138
1,2-Dichloroethane-d4		93	53-142
Toluene-d8		103	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58433-002
Batch: 58433
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	78		1	78	42-149	05/30/2007 0000
Benzene	50	45		1	91	69-123	05/30/2007 0000
Bromodichloromethane	50	43		1	87	69-121	05/30/2007 0000
Bromoform	50	42		1	84	61-119	05/30/2007 0000
Bromomethane (Methyl bromide)	50	49		1	99	35-144	05/30/2007 0000
2-Butanone (MEK)	100	91		1	91	57-148	05/30/2007 0000
Carbon disulfide	50	43		1	86	58-122	05/30/2007 0000
Carbon tetrachloride	50	45		1	90	58-136	05/30/2007 0000
Chlorobenzene	50	41		1	83	59-129	05/30/2007 0000
Chloroethane	50	50		1	99	50-132	05/30/2007 0000
Chloroform	50	46		1	92	71-125	05/30/2007 0000
Chloromethane (Methyl chloride)	50	37		1	75	34-134	05/30/2007 0000
Cyclohexane	50	43		1	87	53-139	05/30/2007 0000
1,2-Dibromo-3-chloropropane (DBCP)	50	41		1	82	55-125	05/30/2007 0000
Dibromochloromethane	50	44		1	87	66-119	05/30/2007 0000
1,2-Dibromoethane (EDB)	50	44		1	88	74-124	05/30/2007 0000
1,4-Dichlorobenzene	50	33		1	67	52-133	05/30/2007 0000
1,3-Dichlorobenzene	50	33		1	67	51-134	05/30/2007 0000
1,2-Dichlorobenzene	50	34		1	69	57-131	05/30/2007 0000
Dichlorodifluoromethane	50	37		1	75	10-157	05/30/2007 0000
1,2-Dichloroethane	50	44		1	88	67-129	05/30/2007 0000
1,1-Dichloroethane	50	46		1	93	71-127	05/30/2007 0000
trans-1,2-Dichloroethene	50	47		1	94	68-131	05/30/2007 0000
1,1-Dichloroethene	50	50		1	100	69-138	05/30/2007 0000
cis-1,2-Dichloroethene	50	45		1	90	70-122	05/30/2007 0000
1,2-Dichloropropane	50	45		1	91	72-124	05/30/2007 0000
trans-1,3-Dichloropropene	50	44		1	87	70-124	05/30/2007 0000
cis-1,3-Dichloropropene	50	44		1	88	70-126	05/30/2007 0000
Ethylbenzene	50	40		1	81	59-128	05/30/2007 0000
2-Hexanone	100	84		1	84	54-137	05/30/2007 0000
Isopropylbenzene	50	38		1	77	50-136	05/30/2007 0000
Methyl acetate	50	44		1	88	59-137	05/30/2007 0000
Methyl tertiary butyl ether (MTBE)	50	44		1	88	72-122	05/30/2007 0000
4-Methyl-2-pentanone	100	84		1	84	60-134	05/30/2007 0000
Methylcyclohexane	50	41		1	81	41-144	05/30/2007 0000
Methylene chloride	50	46		1	92	77-129	05/30/2007 0000
Styrene	50	40		1	80	54-136	05/30/2007 0000
1,1,2,2-Tetrachloroethane	50	43		1	86	69-132	05/30/2007 0000
Tetrachloroethene	50	41		1	81	50-115	05/30/2007 0000
Toluene	50	44		1	88	61-129	05/30/2007 0000
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	44		1	88	49-136	05/30/2007 0000
1,2,4-Trichlorobenzene	50	25		1	50	34-145	05/30/2007 0000
1,1,1-Trichloroethane	50	46		1	93	63-128	05/30/2007 0000
1,1,2-Trichloroethane	50	44		1	88	55-128	05/30/2007 0000
Trichloroethene	50	45		1	90	62-126	05/30/2007 0000
Trichlorofluoromethane	50	45		1	90	45-138	05/30/2007 0000

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58433-002
Batch: 58433
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl chloride	50	43		1	87	42-132	05/30/2007 0000
Xylenes (total)	100	79		1	79	58-128	05/30/2007 0000

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		104	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58433-003
Batch: 58433
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	89		1	89	13	42-149	20	05/30/2007 0021
Benzene	50	40		1	80	12	69-123	20	05/30/2007 0021
Bromodichloromethane	50	41		1	82	5.2	69-121	20	05/30/2007 0021
Bromoform	50	42		1	84	0.34	61-119	20	05/30/2007 0021
Bromomethane (Methyl bromide)	50	41		1	82	19	35-144	20	05/30/2007 0021
2-Butanone (MEK)	100	100		1	104	13	57-148	20	05/30/2007 0021
Carbon disulfide	50	39		1	77	10	58-122	20	05/30/2007 0021
Carbon tetrachloride	50	41		1	82	9.4	58-136	20	05/30/2007 0021
Chlorobenzene	50	34		1	68	20	59-129	20	05/30/2007 0021
Chloroethane	50	43		1	85	15	50-132	20	05/30/2007 0021
Chloroform	50	43		1	86	6.5	71-125	20	05/30/2007 0021
Chloromethane (Methyl chloride)	50	39		1	79	5.3	34-134	20	05/30/2007 0021
Cyclohexane	50	40		1	80	8.6	53-139	20	05/30/2007 0021
1,2-Dibromo-3-chloropropane (DBCP)	50	43		1	86	4.9	55-125	20	05/30/2007 0021
Dibromochloromethane	50	41		1	82	6.2	66-119	20	05/30/2007 0021
1,2-Dibromoethane (EDB)	50	44		1	88	0.76	74-124	20	05/30/2007 0021
1,4-Dichlorobenzene	50	25	N,+	1	50	28	52-133	20	05/30/2007 0021
1,3-Dichlorobenzene	50	25	N,+	1	50	28	51-134	20	05/30/2007 0021
1,2-Dichlorobenzene	50	27	N,+	1	54	23	57-131	20	05/30/2007 0021
Dichlorodifluoromethane	50	37		1	74	0.91	10-157	20	05/30/2007 0021
1,2-Dichloroethane	50	43		1	87	1.7	67-129	20	05/30/2007 0021
1,1-Dichloroethane	50	44		1	88	5.4	71-127	20	05/30/2007 0021
trans-1,2-Dichloroethene	50	43		1	85	9.3	68-131	20	05/30/2007 0021
1,1-Dichloroethene	50	46		1	91	9.6	69-138	20	05/30/2007 0021
cis-1,2-Dichloroethene	50	42		1	84	6.8	70-122	20	05/30/2007 0021
1,2-Dichloropropane	50	43		1	85	5.8	72-124	20	05/30/2007 0021
trans-1,3-Dichloropropene	50	41		1	81	7.1	70-124	20	05/30/2007 0021
cis-1,3-Dichloropropene	50	42		1	84	5.5	70-126	20	05/30/2007 0021
Ethylbenzene	50	32	+	1	64	24	59-128	20	05/30/2007 0021
2-Hexanone	100	90		1	90	7.0	54-137	20	05/30/2007 0021
Isopropylbenzene	50	29	+	1	59	27	50-136	20	05/30/2007 0021
Methyl acetate	50	49		1	98	11	59-137	20	05/30/2007 0021
Methyl tertiary butyl ether (MTBE)	50	46		1	92	4.1	72-122	20	05/30/2007 0021
4-Methyl-2-pentanone	100	92		1	92	8.2	60-134	20	05/30/2007 0021
Methylcyclohexane	50	36		1	72	12	41-144	20	05/30/2007 0021
Methylene chloride	50	44		1	88	3.7	77-129	20	05/30/2007 0021
Styrene	50	33		1	65	20	54-136	20	05/30/2007 0021
1,1,2,2-Tetrachloroethane	50	45		1	90	3.9	69-132	20	05/30/2007 0021
Tetrachloroethene	50	32	+	1	64	24	50-115	20	05/30/2007 0021
Toluene	50	37		1	74	17	61-129	20	05/30/2007 0021
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	42		1	84	4.6	49-136	20	05/30/2007 0021
1,2,4-Trichlorobenzene	50	21		1	42	18	34-145	20	05/30/2007 0021
1,1,1-Trichloroethane	50	44		1	87	6.3	63-128	20	05/30/2007 0021
1,1,2-Trichloroethane	50	43		1	85	3.6	55-128	20	05/30/2007 0021
Trichloroethene	50	39		1	78	14	62-126	20	05/30/2007 0021
Trichlorofluoromethane	50	29	+	1	58	44	45-138	20	05/30/2007 0021

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58433-003
Batch: 58433
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Vinyl chloride	50	42		1	84	3.1	42-132	20	05/30/2007 0021
Xylenes (total)	100	61	+	1	61	25	58-128	20	05/30/2007 0021

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		105	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		103	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58496-001
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/kg	05/30/2007 0858
Benzene	ND		1	5.0	ug/kg	05/30/2007 0858
Bromodichloromethane	ND		1	5.0	ug/kg	05/30/2007 0858
Bromoform	ND		1	5.0	ug/kg	05/30/2007 0858
Bromomethane (Methyl bromide)	ND		1	5.0	ug/kg	05/30/2007 0858
2-Butanone (MEK)	ND		1	10	ug/kg	05/30/2007 0858
Carbon disulfide	ND		1	5.0	ug/kg	05/30/2007 0858
Carbon tetrachloride	ND		1	5.0	ug/kg	05/30/2007 0858
Chlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
Chloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
Chloroform	ND		1	5.0	ug/kg	05/30/2007 0858
Chloromethane (Methyl chloride)	ND		1	5.0	ug/kg	05/30/2007 0858
Cyclohexane	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	ug/kg	05/30/2007 0858
Dibromochloromethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dibromoethane (EDB)	ND		1	5.0	ug/kg	05/30/2007 0858
1,4-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
1,3-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
Dichlorodifluoromethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dichloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,1-Dichloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,1-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
cis-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
trans-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dichloropropane	ND		1	5.0	ug/kg	05/30/2007 0858
cis-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/30/2007 0858
trans-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/30/2007 0858
Ethylbenzene	ND		1	5.0	ug/kg	05/30/2007 0858
2-Hexanone	ND		1	10	ug/kg	05/30/2007 0858
Isopropylbenzene	ND		1	5.0	ug/kg	05/30/2007 0858
Methyl acetate	ND		1	5.0	ug/kg	05/30/2007 0858
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	05/30/2007 0858
4-Methyl-2-pentanone	ND		1	10	ug/kg	05/30/2007 0858
Methylcyclohexane	ND		1	5.0	ug/kg	05/30/2007 0858
Methylene chloride	ND		1	5.0	ug/kg	05/30/2007 0858
Styrene	ND		1	5.0	ug/kg	05/30/2007 0858
1,1,2,2-Tetrachloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
Tetrachloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
Toluene	ND		1	5.0	ug/kg	05/30/2007 0858
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,2,4-Trichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
1,1,2-Trichloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,1,1-Trichloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
Trichloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
Trichlorofluoromethane	ND		1	5.0	ug/kg	05/30/2007 0858

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58496-001
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Vinyl chloride	ND		1	5.0	ug/kg	05/30/2007 0858
Xylenes (total)	ND		1	5.0	ug/kg	05/30/2007 0858

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	47-138
1,2-Dichloroethane-d4		101	53-142
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58496-002
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	106	42-149	05/30/2007 0812
Benzene	50	50		1	100	69-123	05/30/2007 0812
Bromodichloromethane	50	52		1	104	69-121	05/30/2007 0812
Bromoform	50	46		1	93	61-119	05/30/2007 0812
Bromomethane (Methyl bromide)	50	46		1	93	35-144	05/30/2007 0812
2-Butanone (MEK)	100	100		1	105	57-148	05/30/2007 0812
Carbon disulfide	50	48		1	95	58-122	05/30/2007 0812
Carbon tetrachloride	50	55		1	110	58-136	05/30/2007 0812
Chlorobenzene	50	52		1	104	59-129	05/30/2007 0812
Chloroethane	50	46		1	92	50-132	05/30/2007 0812
Chloroform	50	54		1	107	71-125	05/30/2007 0812
Chloromethane (Methyl chloride)	50	45		1	90	34-134	05/30/2007 0812
Cyclohexane	50	54		1	107	53-139	05/30/2007 0812
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	55-125	05/30/2007 0812
Dibromochloromethane	50	49		1	98	66-119	05/30/2007 0812
1,2-Dibromoethane (EDB)	50	54		1	107	74-124	05/30/2007 0812
1,4-Dichlorobenzene	50	53		1	106	52-133	05/30/2007 0812
1,2-Dichlorobenzene	50	54		1	107	57-131	05/30/2007 0812
1,3-Dichlorobenzene	50	53		1	107	51-134	05/30/2007 0812
Dichlorodifluoromethane	50	46		1	91	10-157	05/30/2007 0812
1,2-Dichloroethane	50	57		1	113	67-129	05/30/2007 0812
1,1-Dichloroethane	50	53		1	106	71-127	05/30/2007 0812
1,1-Dichloroethene	50	54		1	108	69-138	05/30/2007 0812
cis-1,2-Dichloroethene	50	50		1	101	70-122	05/30/2007 0812
trans-1,2-Dichloroethene	50	52		1	104	68-131	05/30/2007 0812
1,2-Dichloropropane	50	53		1	105	72-124	05/30/2007 0812
cis-1,3-Dichloropropene	50	53		1	105	70-126	05/30/2007 0812
trans-1,3-Dichloropropene	50	54		1	108	70-124	05/30/2007 0812
Ethylbenzene	50	51		1	101	59-128	05/30/2007 0812
2-Hexanone	100	100		1	104	54-137	05/30/2007 0812
Isopropylbenzene	50	53		1	105	50-136	05/30/2007 0812
Methyl acetate	50	54		1	107	59-137	05/30/2007 0812
Methyl tertiary butyl ether (MTBE)	50	53		1	107	72-122	05/30/2007 0812
4-Methyl-2-pentanone	100	100		1	106	60-134	05/30/2007 0812
Methylcyclohexane	50	51		1	102	41-144	05/30/2007 0812
Methylene chloride	50	55		1	110	77-129	05/30/2007 0812
Styrene	50	52		1	103	54-136	05/30/2007 0812
1,1,2,2-Tetrachloroethane	50	55		1	109	69-132	05/30/2007 0812
Tetrachloroethene	50	50		1	101	50-115	05/30/2007 0812
Toluene	50	50		1	100	61-129	05/30/2007 0812
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	101	49-136	05/30/2007 0812
1,2,4-Trichlorobenzene	50	53		1	105	34-145	05/30/2007 0812
1,1,2-Trichloroethane	50	53		1	106	55-128	05/30/2007 0812
1,1,1-Trichloroethane	50	52		1	104	63-128	05/30/2007 0812
Trichloroethene	50	50		1	100	62-126	05/30/2007 0812
Trichlorofluoromethane	50	52		1	104	45-138	05/30/2007 0812

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58496-002
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl chloride	50	44		1	88	42-132	05/30/2007 0812
Xylenes (total)	100	100		1	101	58-128	05/30/2007 0812

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	47-138
1,2-Dichloroethane-d4		106	53-142
Toluene-d8		102	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58496-003
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	91		1	91	15	42-149	20	05/30/2007 0835
Benzene	50	50		1	99	1.3	69-123	20	05/30/2007 0835
Bromodichloromethane	50	51		1	102	1.5	69-121	20	05/30/2007 0835
Bromoform	50	46		1	92	1.5	61-119	20	05/30/2007 0835
Bromomethane (Methyl bromide)	50	45		1	90	2.7	35-144	20	05/30/2007 0835
2-Butanone (MEK)	100	94		1	94	10	57-148	20	05/30/2007 0835
Carbon disulfide	50	47		1	94	1.7	58-122	20	05/30/2007 0835
Carbon tetrachloride	50	54		1	109	0.94	58-136	20	05/30/2007 0835
Chlorobenzene	50	50		1	101	2.7	59-129	20	05/30/2007 0835
Chloroethane	50	46		1	92	0.15	50-132	20	05/30/2007 0835
Chloroform	50	52		1	105	1.9	71-125	20	05/30/2007 0835
Chloromethane (Methyl chloride)	50	44		1	89	1.5	34-134	20	05/30/2007 0835
Cyclohexane	50	52		1	105	2.2	53-139	20	05/30/2007 0835
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	87	9.5	55-125	20	05/30/2007 0835
Dibromochloromethane	50	48		1	97	1.5	66-119	20	05/30/2007 0835
1,2-Dibromoethane (EDB)	50	51		1	103	4.2	74-124	20	05/30/2007 0835
1,4-Dichlorobenzene	50	51		1	103	3.2	52-133	20	05/30/2007 0835
1,2-Dichlorobenzene	50	52		1	104	3.0	57-131	20	05/30/2007 0835
1,3-Dichlorobenzene	50	52		1	104	2.3	51-134	20	05/30/2007 0835
Dichlorodifluoromethane	50	43		1	87	4.7	10-157	20	05/30/2007 0835
1,2-Dichloroethane	50	55		1	110	3.0	67-129	20	05/30/2007 0835
1,1-Dichloroethane	50	52		1	103	2.5	71-127	20	05/30/2007 0835
1,1-Dichloroethene	50	53		1	106	2.3	69-138	20	05/30/2007 0835
cis-1,2-Dichloroethene	50	49		1	98	2.9	70-122	20	05/30/2007 0835
trans-1,2-Dichloroethene	50	50		1	100	3.1	68-131	20	05/30/2007 0835
1,2-Dichloropropane	50	52		1	103	2.0	72-124	20	05/30/2007 0835
cis-1,3-Dichloropropene	50	52		1	104	1.8	70-126	20	05/30/2007 0835
trans-1,3-Dichloropropene	50	52		1	104	3.9	70-124	20	05/30/2007 0835
Ethylbenzene	50	49		1	98	3.3	59-128	20	05/30/2007 0835
2-Hexanone	100	93		1	93	12	54-137	20	05/30/2007 0835
Isopropylbenzene	50	52		1	105	0.20	50-136	20	05/30/2007 0835
Methyl acetate	50	49		1	98	9.1	59-137	20	05/30/2007 0835
Methyl tertiary butyl ether (MTBE)	50	50		1	101	5.6	72-122	20	05/30/2007 0835
4-Methyl-2-pentanone	100	97		1	97	8.6	60-134	20	05/30/2007 0835
Methylcyclohexane	50	50		1	100	2.6	41-144	20	05/30/2007 0835
Methylene chloride	50	55		1	110	0.47	77-129	20	05/30/2007 0835
Styrene	50	50		1	101	2.4	54-136	20	05/30/2007 0835
1,1,2,2-Tetrachloroethane	50	51		1	102	6.3	69-132	20	05/30/2007 0835
Tetrachloroethene	50	49		1	98	2.7	50-115	20	05/30/2007 0835
Toluene	50	49		1	98	2.0	61-129	20	05/30/2007 0835
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	96	5.1	49-136	20	05/30/2007 0835
1,2,4-Trichlorobenzene	50	48		1	96	9.4	34-145	20	05/30/2007 0835
1,1,2-Trichloroethane	50	52		1	103	2.9	55-128	20	05/30/2007 0835
1,1,1-Trichloroethane	50	51		1	102	1.2	63-128	20	05/30/2007 0835
Trichloroethene	50	50		1	99	0.33	62-126	20	05/30/2007 0835
Trichlorofluoromethane	50	51		1	102	2.5	45-138	20	05/30/2007 0835

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58496-003 **Matrix:** Solid
Batch: 58496 **Prep Method:** 5035
Analytical Method: 8260B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Vinyl chloride	50	45		1	90	1.8	42-132	20	05/30/2007 0835
Xylenes (total)	100	99		1	99	1.8	58-128	20	05/30/2007 0835

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	47-138
1,2-Dichloroethane-d4		102	53-142
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58590-001
Batch: 58590
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/kg	05/31/2007 1849
Benzene	ND		1	5.0	ug/kg	05/31/2007 1849
Bromodichloromethane	ND		1	5.0	ug/kg	05/31/2007 1849
Bromoform	ND		1	5.0	ug/kg	05/31/2007 1849
Bromomethane (Methyl bromide)	ND		1	5.0	ug/kg	05/31/2007 1849
2-Butanone (MEK)	ND		1	10	ug/kg	05/31/2007 1849
Carbon disulfide	ND		1	5.0	ug/kg	05/31/2007 1849
Carbon tetrachloride	ND		1	5.0	ug/kg	05/31/2007 1849
Chlorobenzene	ND		1	5.0	ug/kg	05/31/2007 1849
Chloroethane	ND		1	5.0	ug/kg	05/31/2007 1849
Chloroform	ND		1	5.0	ug/kg	05/31/2007 1849
Chloromethane (Methyl chloride)	ND		1	5.0	ug/kg	05/31/2007 1849
Cyclohexane	ND		1	5.0	ug/kg	05/31/2007 1849
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	ug/kg	05/31/2007 1849
Dibromochloromethane	ND		1	5.0	ug/kg	05/31/2007 1849
1,2-Dibromoethane (EDB)	ND		1	5.0	ug/kg	05/31/2007 1849
1,3-Dichlorobenzene	ND		1	5.0	ug/kg	05/31/2007 1849
1,2-Dichlorobenzene	ND		1	5.0	ug/kg	05/31/2007 1849
1,4-Dichlorobenzene	ND		1	5.0	ug/kg	05/31/2007 1849
Dichlorodifluoromethane	ND		1	5.0	ug/kg	05/31/2007 1849
1,1-Dichloroethane	ND		1	5.0	ug/kg	05/31/2007 1849
1,2-Dichloroethane	ND		1	5.0	ug/kg	05/31/2007 1849
cis-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/31/2007 1849
1,1-Dichloroethene	ND		1	5.0	ug/kg	05/31/2007 1849
trans-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/31/2007 1849
1,2-Dichloropropane	ND		1	5.0	ug/kg	05/31/2007 1849
cis-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/31/2007 1849
trans-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/31/2007 1849
Ethylbenzene	ND		1	5.0	ug/kg	05/31/2007 1849
2-Hexanone	ND		1	10	ug/kg	05/31/2007 1849
Isopropylbenzene	ND		1	5.0	ug/kg	05/31/2007 1849
Methyl acetate	ND		1	5.0	ug/kg	05/31/2007 1849
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	05/31/2007 1849
4-Methyl-2-pentanone	ND		1	10	ug/kg	05/31/2007 1849
Methylcyclohexane	ND		1	5.0	ug/kg	05/31/2007 1849
Methylene chloride	ND		1	5.0	ug/kg	05/31/2007 1849
Styrene	ND		1	5.0	ug/kg	05/31/2007 1849
1,1,2,2-Tetrachloroethane	ND		1	5.0	ug/kg	05/31/2007 1849
Tetrachloroethene	ND		1	5.0	ug/kg	05/31/2007 1849
Toluene	ND		1	5.0	ug/kg	05/31/2007 1849
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	ug/kg	05/31/2007 1849
1,2,4-Trichlorobenzene	ND		1	5.0	ug/kg	05/31/2007 1849
1,1,2-Trichloroethane	ND		1	5.0	ug/kg	05/31/2007 1849
1,1,1-Trichloroethane	ND		1	5.0	ug/kg	05/31/2007 1849
Trichloroethene	ND		1	5.0	ug/kg	05/31/2007 1849
Trichlorofluoromethane	ND		1	5.0	ug/kg	05/31/2007 1849

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58590-001
Batch: 58590
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Vinyl chloride	ND		1	5.0	ug/kg	05/31/2007 1849
Xylenes (total)	ND		1	5.0	ug/kg	05/31/2007 1849

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	47-138
1,2-Dichloroethane-d4		102	53-142
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W".

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58590-002
Batch: 58590
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	99		1	99	42-149	05/31/2007 1600
Benzene	50	44		1	89	69-123	05/31/2007 1600
Bromodichloromethane	50	46		1	92	69-121	05/31/2007 1600
Bromoform	50	43		1	87	61-119	05/31/2007 1600
Bromomethane (Methyl bromide)	50	42		1	84	35-144	05/31/2007 1600
2-Butanone (MEK)	100	100		1	103	57-148	05/31/2007 1600
Carbon disulfide	50	43		1	86	58-122	05/31/2007 1600
Carbon tetrachloride	50	48		1	96	58-136	05/31/2007 1600
Chlorobenzene	50	42		1	84	59-129	05/31/2007 1600
Chloroethane	50	42		1	84	50-132	05/31/2007 1600
Chloroform	50	48		1	97	71-125	05/31/2007 1600
Chloromethane (Methyl chloride)	50	41		1	82	34-134	05/31/2007 1600
Cyclohexane	50	34		1	68	53-139	05/31/2007 1600
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	92	55-125	05/31/2007 1600
Dibromochloromethane	50	44		1	88	66-119	05/31/2007 1600
1,2-Dibromoethane (EDB)	50	48		1	97	74-124	05/31/2007 1600
1,3-Dichlorobenzene	50	35		1	70	51-134	05/31/2007 1600
1,2-Dichlorobenzene	50	37		1	73	57-131	05/31/2007 1600
1,4-Dichlorobenzene	50	36		1	71	52-133	05/31/2007 1600
Dichlorodifluoromethane	50	34		1	68	10-157	05/31/2007 1600
1,1-Dichloroethane	50	48		1	96	71-127	05/31/2007 1600
1,2-Dichloroethane	50	51		1	103	67-129	05/31/2007 1600
cis-1,2-Dichloroethene	50	45		1	90	70-122	05/31/2007 1600
1,1-Dichloroethene	50	48		1	96	69-138	05/31/2007 1600
trans-1,2-Dichloroethene	50	46		1	93	68-131	05/31/2007 1600
1,2-Dichloropropane	50	46		1	92	72-124	05/31/2007 1600
cis-1,3-Dichloropropene	50	46		1	92	70-126	05/31/2007 1600
trans-1,3-Dichloropropene	50	47		1	94	70-124	05/31/2007 1600
Ethylbenzene	50	37		1	74	59-128	05/31/2007 1600
2-Hexanone	100	100		1	101	54-137	05/31/2007 1600
Isopropylbenzene	50	32		1	63	50-136	05/31/2007 1600
Methyl acetate	50	52		1	104	59-137	05/31/2007 1600
Methyl tertiary butyl ether (MTBE)	50	48		1	96	72-122	05/31/2007 1600
4-Methyl-2-pentanone	100	100		1	104	60-134	05/31/2007 1600
Methylcyclohexane	50	24		1	48	41-144	05/31/2007 1600
Methylene chloride	50	50		1	100	77-129	05/31/2007 1600
Styrene	50	40		1	79	54-136	05/31/2007 1600
1,1,2,2-Tetrachloroethane	50	49		1	98	69-132	05/31/2007 1600
Tetrachloroethene	50	35		1	70	50-115	05/31/2007 1600
Toluene	50	42		1	84	61-129	05/31/2007 1600
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	38		1	76	49-136	05/31/2007 1600
1,2,4-Trichlorobenzene	50	27		1	54	34-145	05/31/2007 1600
1,1,2-Trichloroethane	50	47		1	94	55-128	05/31/2007 1600
1,1,1-Trichloroethane	50	46		1	91	63-128	05/31/2007 1600
Trichloroethene	50	42		1	85	62-126	05/31/2007 1600
Trichlorofluoromethane	50	45		1	90	45-138	05/31/2007 1600

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58590-002
Batch: 58590
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl chloride	50	40		1	80	42-132	05/31/2007 1600
Xylenes (total)	100	73		1	73	58-128	05/31/2007 1600

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	47-138
1,2-Dichloroethane-d4		107	53-142
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58590-003
Batch: 58590
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	94		1	94	5.9	42-149	20	05/31/2007 1623
Benzene	50	44		1	87	1.8	69-123	20	05/31/2007 1623
Bromodichloromethane	50	45		1	91	1.4	69-121	20	05/31/2007 1623
Bromoform	50	42		1	84	3.5	61-119	20	05/31/2007 1623
Bromomethane (Methyl bromide)	50	40		1	80	5.3	35-144	20	05/31/2007 1623
2-Butanone (MEK)	100	96		1	96	6.9	57-148	20	05/31/2007 1623
Carbon disulfide	50	41		1	83	3.4	58-122	20	05/31/2007 1623
Carbon tetrachloride	50	46		1	92	4.0	58-136	20	05/31/2007 1623
Chlorobenzene	50	40		1	80	4.0	59-129	20	05/31/2007 1623
Chloroethane	50	41		1	82	1.7	50-132	20	05/31/2007 1623
Chloroform	50	47		1	94	2.4	71-125	20	05/31/2007 1623
Chloromethane (Methyl chloride)	50	39		1	78	3.9	34-134	20	05/31/2007 1623
Cyclohexane	50	30		1	59	14	53-139	20	05/31/2007 1623
1,2-Dibromo-3-chloropropane (DBCP)	50	43		1	86	7.3	55-125	20	05/31/2007 1623
Dibromochloromethane	50	43		1	85	3.2	66-119	20	05/31/2007 1623
1,2-Dibromoethane (EDB)	50	46		1	93	4.0	74-124	20	05/31/2007 1623
1,3-Dichlorobenzene	50	31		1	62	11	51-134	20	05/31/2007 1623
1,2-Dichlorobenzene	50	34		1	68	8.0	57-131	20	05/31/2007 1623
1,4-Dichlorobenzene	50	32		1	65	9.6	52-133	20	05/31/2007 1623
Dichlorodifluoromethane	50	32		1	65	5.7	10-157	20	05/31/2007 1623
1,1-Dichloroethane	50	47		1	94	2.1	71-127	20	05/31/2007 1623
1,2-Dichloroethane	50	51		1	102	1.2	67-129	20	05/31/2007 1623
cis-1,2-Dichloroethene	50	44		1	88	1.9	70-122	20	05/31/2007 1623
1,1-Dichloroethene	50	47		1	95	1.8	69-138	20	05/31/2007 1623
trans-1,2-Dichloroethene	50	45		1	90	3.6	68-131	20	05/31/2007 1623
1,2-Dichloropropane	50	45		1	91	2.0	72-124	20	05/31/2007 1623
cis-1,3-Dichloropropene	50	46		1	92	0.67	70-126	20	05/31/2007 1623
trans-1,3-Dichloropropene	50	46		1	91	3.4	70-124	20	05/31/2007 1623
Ethylbenzene	50	34		1	69	6.9	59-128	20	05/31/2007 1623
2-Hexanone	100	95		1	95	5.7	54-137	20	05/31/2007 1623
Isopropylbenzene	50	28		1	55	13	50-136	20	05/31/2007 1623
Methyl acetate	50	49		1	98	6.6	59-137	20	05/31/2007 1623
Methyl tertiary butyl ether (MTBE)	50	46		1	93	3.3	72-122	20	05/31/2007 1623
4-Methyl-2-pentanone	100	99		1	99	4.8	60-134	20	05/31/2007 1623
Methylcyclohexane	50	19	N,+	1	38	23	41-144	20	05/31/2007 1623
Methylene chloride	50	48		1	96	3.7	77-129	20	05/31/2007 1623
Styrene	50	37		1	75	5.7	54-136	20	05/31/2007 1623
1,1,2,2-Tetrachloroethane	50	46		1	93	5.2	69-132	20	05/31/2007 1623
Tetrachloroethene	50	32		1	64	8.9	50-115	20	05/31/2007 1623
Toluene	50	40		1	81	3.5	61-129	20	05/31/2007 1623
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	36		1	71	6.8	49-136	20	05/31/2007 1623
1,2,4-Trichlorobenzene	50	23		1	45	17	34-145	20	05/31/2007 1623
1,1,2-Trichloroethane	50	45		1	90	4.0	55-128	20	05/31/2007 1623
1,1,1-Trichloroethane	50	45		1	90	1.4	63-128	20	05/31/2007 1623
Trichloroethene	50	42		1	83	1.8	62-126	20	05/31/2007 1623
Trichlorofluoromethane	50	43		1	86	3.5	45-138	20	05/31/2007 1623

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58590-003
Batch: 58590
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Vinyl chloride	50	39		1	79	1.7	42-132	20	05/31/2007 1623
Xylenes (total)	100	67		1	67	8.2	58-128	20	05/31/2007 1623

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	47-138
1,2-Dichloroethane-d4		107	53-142
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: IQ58153-001
Batch: 58153
Analytical Method: 8270C

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 05/24/2007 2150

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acenaphthene	ND		1	5.0	ug/L	05/28/2007 1115
Acenaphthylene	ND		1	5.0	ug/L	05/28/2007 1115
Acetophenone	ND		1	5.0	ug/L	05/28/2007 1115
Anthracene	ND		1	5.0	ug/L	05/28/2007 1115
Atrazine	ND		1	5.0	ug/L	05/28/2007 1115
Benzaldehyde	ND		1	25	ug/L	05/28/2007 1115
Benzo(a)anthracene	ND		1	5.0	ug/L	05/28/2007 1115
Benzo(a)pyrene	ND		1	5.0	ug/L	05/28/2007 1115
Benzo(b)fluoranthene	ND		1	5.0	ug/L	05/28/2007 1115
Benzo(g,h,i)perylene	ND		1	5.0	ug/L	05/28/2007 1115
Benzo(k)fluoranthene	ND		1	5.0	ug/L	05/28/2007 1115
1,1'-Biphenyl	ND		1	5.0	ug/L	05/28/2007 1115
4-Bromophenyl phenyl ether	ND		1	5.0	ug/L	05/28/2007 1115
Butyl benzyl phthalate	ND		1	10	ug/L	05/28/2007 1115
Caprolactam	ND		1	25	ug/L	05/28/2007 1115
Carbazole	ND		1	5.0	ug/L	05/28/2007 1115
4-Chloro-3-methyl phenol	ND		1	5.0	ug/L	05/28/2007 1115
4-Chloroaniline	ND		1	5.0	ug/L	05/28/2007 1115
bis(2-Chloroethoxy)methane	ND		1	5.0	ug/L	05/28/2007 1115
bis(2-Chloroethyl)ether	ND		1	5.0	ug/L	05/28/2007 1115
bis(2-Chloroisopropyl)ether	ND		1	5.0	ug/L	05/28/2007 1115
2-Chloronaphthalene	ND		1	5.0	ug/L	05/28/2007 1115
2-Chlorophenol	ND		1	5.0	ug/L	05/28/2007 1115
4-Chlorophenyl phenyl ether	ND		1	5.0	ug/L	05/28/2007 1115
Chrysene	ND		1	5.0	ug/L	05/28/2007 1115
Dibenzo(a,h)anthracene	ND		1	5.0	ug/L	05/28/2007 1115
Dibenzofuran	ND		1	5.0	ug/L	05/28/2007 1115
3,3'-Dichlorobenzidine	ND		1	25	ug/L	05/28/2007 1115
2,4-Dichlorophenol	ND		1	5.0	ug/L	05/28/2007 1115
Diethylphthalate	ND		1	5.0	ug/L	05/28/2007 1115
Dimethyl phthalate	ND		1	5.0	ug/L	05/28/2007 1115
2,4-Dimethylphenol	ND		1	5.0	ug/L	05/28/2007 1115
Di-n-butyl phthalate	ND		1	5.0	ug/L	05/28/2007 1115
4,6-Dinitro-2-methylphenol	ND		1	25	ug/L	05/28/2007 1115
2,4-Dinitrophenol	ND		1	25	ug/L	05/28/2007 1115
2,6-Dinitrotoluene	ND		1	10	ug/L	05/28/2007 1115
2,4-Dinitrotoluene	ND		1	10	ug/L	05/28/2007 1115
Di-n-octylphthalate	ND		1	5.0	ug/L	05/28/2007 1115
bis(2-Ethylhexyl)phthalate	ND		1	5.0	ug/L	05/28/2007 1115
Fluoranthene	ND		1	5.0	ug/L	05/28/2007 1115
Fluorene	ND		1	5.0	ug/L	05/28/2007 1115
Hexachlorobenzene	ND		1	5.0	ug/L	05/28/2007 1115
Hexachlorobutadiene	ND		1	5.0	ug/L	05/28/2007 1115
Hexachlorocyclopentadiene	ND		1	25	ug/L	05/28/2007 1115
Hexachloroethane	ND		1	5.0	ug/L	05/28/2007 1115
Indeno(1,2,3-c,d)pyrene	ND		1	5.0	ug/L	05/28/2007 1115

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: IQ58153-001
Batch: 58153
Analytical Method: 8270C

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 05/24/2007 2150

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Isophorone	ND		1	5.0	ug/L	05/28/2007 1115
2-Methylnaphthalene	ND		1	5.0	ug/L	05/28/2007 1115
2-Methylphenol	ND		1	5.0	ug/L	05/28/2007 1115
3 & 4-Methylphenol	ND		1	10	ug/L	05/28/2007 1115
Naphthalene	ND		1	5.0	ug/L	05/28/2007 1115
3-Nitroaniline	ND		1	10	ug/L	05/28/2007 1115
2-Nitroaniline	ND		1	10	ug/L	05/28/2007 1115
4-Nitroaniline	ND		1	10	ug/L	05/28/2007 1115
Nitrobenzene	ND		1	5.0	ug/L	05/28/2007 1115
2-Nitrophenol	ND		1	10	ug/L	05/28/2007 1115
4-Nitrophenol	ND		1	25	ug/L	05/28/2007 1115
N-Nitrosodi-n-propylamine	ND		1	5.0	ug/L	05/28/2007 1115
N-Nitrosodiphenylamine/Diphenylamine	ND		1	5.0	ug/L	05/28/2007 1115
Pentachlorophenol	ND		1	25	ug/L	05/28/2007 1115
Phenanthrene	ND		1	5.0	ug/L	05/28/2007 1115
Phenol	ND		1	5.0	ug/L	05/28/2007 1115
Pyrene	ND		1	5.0	ug/L	05/28/2007 1115
2,4,6-Trichlorophenol	ND		1	5.0	ug/L	05/28/2007 1115
2,4,5-Trichlorophenol	ND		1	5.0	ug/L	05/28/2007 1115

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		71	41-144
2-Fluorobiphenyl		84	37-129
2-Fluorophenol		78	24-127
Nitrobenzene-d5		81	38-127
Phenol-d5		81	28-128
Terphenyl-d14		94	10-148

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58153-002
Batch: 58153
Analytical Method: 8270C

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 05/24/2007 2150

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	100	94		1	94	30-130	05/28/2007 1157
Acenaphthylene	100	91		1	91	30-130	05/28/2007 1157
Anthracene	100	95		1	95	30-130	05/28/2007 1157
Benzo(a)anthracene	100	98		1	98	30-130	05/28/2007 1157
Benzo(a)pyrene	100	110		1	106	30-130	05/28/2007 1157
Benzo(b)fluoranthene	100	110		1	107	30-130	05/28/2007 1157
Benzo(g,h,i)perylene	100	100		1	100	30-130	05/28/2007 1157
Benzo(k)fluoranthene	100	98		1	98	30-130	05/28/2007 1157
4-Bromophenyl phenyl ether	100	98		1	98	30-130	05/28/2007 1157
Butyl benzyl phthalate	100	98		1	98	30-130	05/28/2007 1157
Carbazole	100	79		1	79	30-130	05/28/2007 1157
4-Chloro-3-methyl phenol	100	99		1	99	30-130	05/28/2007 1157
4-Chloroaniline	100	42		1	42	10-130	05/28/2007 1157
bis(2-Chloroethoxy)methane	100	93		1	93	30-130	05/28/2007 1157
bis(2-Chloroethyl)ether	100	88		1	88	30-130	05/28/2007 1157
bis(2-Chloroisopropyl)ether	100	82		1	82	30-130	05/28/2007 1157
2-Chloronaphthalene	100	96		1	96	30-130	05/28/2007 1157
2-Chlorophenol	100	88		1	88	30-130	05/28/2007 1157
4-Chlorophenyl phenyl ether	100	94		1	94	30-130	05/28/2007 1157
Chrysene	100	96		1	96	30-130	05/28/2007 1157
Dibenzo(a,h)anthracene	100	110		1	111	30-130	05/28/2007 1157
Dibenzofuran	100	96		1	96	30-130	05/28/2007 1157
2,4-Dichlorophenol	100	92		1	92	30-130	05/28/2007 1157
Diethylphthalate	100	99		1	99	30-130	05/28/2007 1157
Dimethyl phthalate	100	95		1	95	30-130	05/28/2007 1157
2,4-Dimethylphenol	100	69		1	69	30-130	05/28/2007 1157
Di-n-butyl phthalate	100	100		1	100	30-130	05/28/2007 1157
4,6-Dinitro-2-methylphenol	500	490		1	97	30-130	05/28/2007 1157
2,4-Dinitrophenol	500	450		1	89	30-130	05/28/2007 1157
2,6-Dinitrotoluene	200	200		1	101	30-130	05/28/2007 1157
2,4-Dinitrotoluene	200	200		1	101	30-130	05/28/2007 1157
Di-n-octylphthalate	100	100		1	103	30-130	05/28/2007 1157
bis(2-Ethylhexyl)phthalate	100	94		1	94	70-131	05/28/2007 1157
Fluoranthene	100	94		1	94	30-130	05/28/2007 1157
Fluorene	100	96		1	96	30-130	05/28/2007 1157
Hexachlorobenzene	100	98		1	98	30-130	05/28/2007 1157
Hexachlorobutadiene	100	89		1	89	30-130	05/28/2007 1157
Hexachlorocyclopentadiene	500	370		1	74	30-130	05/28/2007 1157
Hexachloroethane	100	74		1	74	30-130	05/28/2007 1157
Indeno(1,2,3-c,d)pyrene	100	110		1	107	30-130	05/28/2007 1157
Isophorone	100	84		1	84	30-130	05/28/2007 1157
2-Methylnaphthalene	100	92		1	92	30-130	05/28/2007 1157
2-Methylphenol	100	84		1	84	30-130	05/28/2007 1157
3 & 4-Methylphenol	200	170		1	84	30-130	05/28/2007 1157
Naphthalene	100	86		1	86	30-130	05/28/2007 1157
3-Nitroaniline	200	160		1	80	30-130	05/28/2007 1157

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58153-002
Batch: 58153
Analytical Method: 8270C

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 05/24/2007 2150

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
2-Nitroaniline	200	190		1	97	30-130	05/28/2007 1157
4-Nitroaniline	200	150		1	77	30-130	05/28/2007 1157
Nitrobenzene	100	94		1	94	30-130	05/28/2007 1157
2-Nitrophenol	200	190		1	96	30-130	05/28/2007 1157
4-Nitrophenol	500	470		1	93	30-130	05/28/2007 1157
N-Nitrosodi-n-propylamine	100	92		1	92	30-130	05/28/2007 1157
N-Nitrosodiphenylamine/Diphenylamine	100	89		1	89	30-130	05/28/2007 1157
Pentachlorophenol	500	430		1	87	30-130	05/28/2007 1157
Phenanthrene	100	97		1	97	30-130	05/28/2007 1157
Phenol	100	83		1	83	30-130	05/28/2007 1157
Pyrene	100	93		1	93	30-130	05/28/2007 1157
2,4,6-Trichlorophenol	100	100		1	101	30-130	05/28/2007 1157
2,4,5-Trichlorophenol	100	100		1	101	30-130	05/28/2007 1157

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		92	41-144
2-Fluorobiphenyl		90	37-129
2-Fluorophenol		89	24-127
Nitrobenzene-d5		92	38-127
Phenol-d5		90	28-128
Terphenyl-d14		96	10-148

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58153-003
Batch: 58153
Analytical Method: 8270C

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 05/24/2007 2150

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	100	92		1	92	2.4	30-130	40	05/28/2007 1219
Acenaphthylene	100	89		1	89	2.2	30-130	40	05/28/2007 1219
Anthracene	100	97		1	97	2.1	30-130	40	05/28/2007 1219
Benzo(a)anthracene	100	98		1	98	0.15	30-130	40	05/28/2007 1219
Benzo(a)pyrene	100	100		1	102	4.4	30-130	40	05/28/2007 1219
Benzo(b)fluoranthene	100	110		1	106	0.97	30-130	40	05/28/2007 1219
Benzo(g,h,i)perylene	100	100		1	104	4.7	30-130	40	05/28/2007 1219
Benzo(k)fluoranthene	100	100		1	102	4.6	30-130	40	05/28/2007 1219
4-Bromophenyl phenyl ether	100	97		1	97	0.076	30-130	40	05/28/2007 1219
Butyl benzyl phthalate	100	96		1	96	2.4	30-130	40	05/28/2007 1219
Carbazole	100	79		1	79	0.37	30-130	40	05/28/2007 1219
4-Chloro-3-methyl phenol	100	98		1	98	1.2	30-130	40	05/28/2007 1219
4-Chloroaniline	100	41		1	41	2.6	10-130	40	05/28/2007 1219
bis(2-Chloroethoxy)methane	100	91		1	91	2.8	30-130	40	05/28/2007 1219
bis(2-Chloroethyl)ether	100	89		1	89	0.49	30-130	40	05/28/2007 1219
bis(2-Chloroisopropyl)ether	100	82		1	82	0.39	30-130	40	05/28/2007 1219
2-Chloronaphthalene	100	92		1	92	3.8	30-130	40	05/28/2007 1219
2-Chlorophenol	100	90		1	90	2.0	30-130	40	05/28/2007 1219
4-Chlorophenyl phenyl ether	100	94		1	94	0.82	30-130	40	05/28/2007 1219
Chrysene	100	98		1	98	1.9	30-130	40	05/28/2007 1219
Dibenzo(a,h)anthracene	100	120		1	118	6.0	30-130	40	05/28/2007 1219
Dibenzofuran	100	94		1	94	1.8	30-130	40	05/28/2007 1219
2,4-Dichlorophenol	100	93		1	93	0.49	30-130	40	05/28/2007 1219
Diethylphthalate	100	98		1	98	0.89	30-130	40	05/28/2007 1219
Dimethyl phthalate	100	95		1	95	0.40	30-130	40	05/28/2007 1219
2,4-Dimethylphenol	100	68		1	68	0.78	30-130	40	05/28/2007 1219
Di-n-butyl phthalate	100	98		1	98	1.2	30-130	40	05/28/2007 1219
4,6-Dinitro-2-methylphenol	500	490		1	98	0.79	30-130	40	05/28/2007 1219
2,4-Dinitrophenol	500	420		1	83	7.2	30-130	40	05/28/2007 1219
2,6-Dinitrotoluene	200	200		1	100	1.2	30-130	40	05/28/2007 1219
2,4-Dinitrotoluene	200	210		1	104	2.6	30-130	40	05/28/2007 1219
Di-n-octylphthalate	100	100		1	101	2.1	30-130	40	05/28/2007 1219
bis(2-Ethylhexyl)phthalate	100	91		1	91	3.2	70-131	40	05/28/2007 1219
Fluoranthene	100	95		1	95	1.0	30-130	40	05/28/2007 1219
Fluorene	100	94		1	94	1.5	30-130	40	05/28/2007 1219
Hexachlorobenzene	100	98		1	98	0.19	30-130	40	05/28/2007 1219
Hexachlorobutadiene	100	88		1	88	0.73	30-130	40	05/28/2007 1219
Hexachlorocyclopentadiene	500	360		1	72	2.2	30-130	40	05/28/2007 1219
Hexachloroethane	100	72		1	72	2.1	30-130	40	05/28/2007 1219
Indeno(1,2,3-c,d)pyrene	100	110		1	110	2.6	30-130	40	05/28/2007 1219
Isophorone	100	82		1	82	2.0	30-130	40	05/28/2007 1219
2-Methylnaphthalene	100	90		1	90	2.1	30-130	40	05/28/2007 1219
2-Methylphenol	100	84		1	84	0.25	30-130	40	05/28/2007 1219
3 & 4-Methylphenol	200	170		1	83	1.4	30-130	40	05/28/2007 1219
Naphthalene	100	85		1	85	0.75	30-130	40	05/28/2007 1219
3-Nitroaniline	200	160		1	82	2.6	30-130	40	05/28/2007 1219

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58153-003
Batch: 58153
Analytical Method: 8270C

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 05/24/2007 2150

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
2-Nitroaniline	200	190		1	94	2.8	30-130	40	05/28/2007 1219
4-Nitroaniline	200	170		1	86	12	30-130	40	05/28/2007 1219
Nitrobenzene	100	92		1	92	2.7	30-130	40	05/28/2007 1219
2-Nitrophenol	200	190		1	94	2.2	30-130	40	05/28/2007 1219
4-Nitrophenol	500	430		1	87	7.3	30-130	40	05/28/2007 1219
N-Nitrosodi-n-propylamine	100	91		1	91	0.73	30-130	40	05/28/2007 1219
N-Nitrosodiphenylamine/Diphenylamine	100	92		1	92	3.9	30-130	40	05/28/2007 1219
Pentachlorophenol	500	440		1	89	2.1	30-130	40	05/28/2007 1219
Phenanthrene	100	97		1	97	0.23	30-130	40	05/28/2007 1219
Phenol	100	82		1	82	1.5	30-130	40	05/28/2007 1219
Pyrene	100	92		1	92	0.46	30-130	40	05/28/2007 1219
2,4,6-Trichlorophenol	100	99		1	99	1.3	30-130	40	05/28/2007 1219
2,4,5-Trichlorophenol	100	99		1	99	2.0	30-130	40	05/28/2007 1219

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		93	41-144
2-Fluorobiphenyl		88	37-129
2-Fluorophenol		87	24-127
Nitrobenzene-d5		90	38-127
Phenol-d5		89	28-128
Terphenyl-d14		96	10-148

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: IQ58408-001
Batch: 58408
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 2045

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acenaphthene	ND		1	330	ug/kg	05/30/2007 0934
Acenaphthylene	ND		1	330	ug/kg	05/30/2007 0934
Acetophenone	ND		1	330	ug/kg	05/30/2007 0934
Anthracene	ND		1	330	ug/kg	05/30/2007 0934
Atrazine	ND		1	330	ug/kg	05/30/2007 0934
Benzaldehyde	ND		1	830	ug/kg	05/30/2007 0934
Benzo(a)anthracene	ND		1	330	ug/kg	05/30/2007 0934
Benzo(a)pyrene	ND		1	330	ug/kg	05/30/2007 0934
Benzo(b)fluoranthene	ND		1	330	ug/kg	05/30/2007 0934
Benzo(g,h,i)perylene	ND		1	330	ug/kg	05/30/2007 0934
Benzo(k)fluoranthene	ND		1	330	ug/kg	05/30/2007 0934
1,1'-Biphenyl	ND		1	330	ug/kg	05/30/2007 0934
4-Bromophenyl phenyl ether	ND		1	330	ug/kg	05/30/2007 0934
Butyl benzyl phthalate	ND		1	330	ug/kg	05/30/2007 0934
Caprolactam	ND		1	830	ug/kg	05/30/2007 0934
Carbazole	ND		1	330	ug/kg	05/30/2007 0934
4-Chloro-3-methyl phenol	ND		1	330	ug/kg	05/30/2007 0934
4-Chloroaniline	ND		1	330	ug/kg	05/30/2007 0934
bis(2-Chloroethoxy)methane	ND		1	330	ug/kg	05/30/2007 0934
bis(2-Chloroethyl)ether	ND		1	330	ug/kg	05/30/2007 0934
bis(2-Chloroisopropyl)ether	ND		1	330	ug/kg	05/30/2007 0934
2-Chloronaphthalene	ND		1	330	ug/kg	05/30/2007 0934
2-Chlorophenol	ND		1	330	ug/kg	05/30/2007 0934
4-Chlorophenyl phenyl ether	ND		1	330	ug/kg	05/30/2007 0934
Chrysene	ND		1	330	ug/kg	05/30/2007 0934
Dibenzo(a,h)anthracene	ND		1	330	ug/kg	05/30/2007 0934
Dibenzofuran	ND		1	330	ug/kg	05/30/2007 0934
3,3'-Dichlorobenzidine	ND		1	830	ug/kg	05/30/2007 0934
2,4-Dichlorophenol	ND		1	330	ug/kg	05/30/2007 0934
Diethylphthalate	ND		1	330	ug/kg	05/30/2007 0934
Dimethyl phthalate	ND		1	330	ug/kg	05/30/2007 0934
2,4-Dimethylphenol	ND		1	330	ug/kg	05/30/2007 0934
Di-n-butyl phthalate	ND		1	330	ug/kg	05/30/2007 0934
4,6-Dinitro-2-methylphenol	ND		1	830	ug/kg	05/30/2007 0934
2,4-Dinitrophenol	ND		1	830	ug/kg	05/30/2007 0934
2,4-Dinitrotoluene	ND		1	330	ug/kg	05/30/2007 0934
2,6-Dinitrotoluene	ND		1	330	ug/kg	05/30/2007 0934
Di-n-octylphthalate	ND		1	330	ug/kg	05/30/2007 0934
bis(2-Ethylhexyl)phthalate	ND		1	330	ug/kg	05/30/2007 0934
Fluoranthene	ND		1	330	ug/kg	05/30/2007 0934
Fluorene	ND		1	330	ug/kg	05/30/2007 0934
Hexachlorobenzene	ND		1	330	ug/kg	05/30/2007 0934
Hexachlorobutadiene	ND		1	330	ug/kg	05/30/2007 0934
Hexachlorocyclopentadiene	ND		1	830	ug/kg	05/30/2007 0934
Hexachloroethane	ND		1	330	ug/kg	05/30/2007 0934
Indeno(1,2,3-c,d)pyrene	ND		1	330	ug/kg	05/30/2007 0934

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: IQ58408-001
Batch: 58408
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 2045

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Isophorone	ND		1	330	ug/kg	05/30/2007 0934
2-Methylnaphthalene	ND		1	330	ug/kg	05/30/2007 0934
2-Methylphenol	ND		1	330	ug/kg	05/30/2007 0934
3 & 4-Methylphenol	ND		1	670	ug/kg	05/30/2007 0934
Naphthalene	ND		1	330	ug/kg	05/30/2007 0934
2-Nitroaniline	ND		1	330	ug/kg	05/30/2007 0934
3-Nitroaniline	ND		1	330	ug/kg	05/30/2007 0934
4-Nitroaniline	ND		1	330	ug/kg	05/30/2007 0934
Nitrobenzene	ND		1	330	ug/kg	05/30/2007 0934
4-Nitrophenol	ND		1	830	ug/kg	05/30/2007 0934
2-Nitrophenol	ND		1	330	ug/kg	05/30/2007 0934
N-Nitrosodi-n-propylamine	ND		1	330	ug/kg	05/30/2007 0934
N-Nitrosodiphenylamine/Diphenylamine	ND		1	330	ug/kg	05/30/2007 0934
Pentachlorophenol	ND		1	830	ug/kg	05/30/2007 0934
Phenanthrene	ND		1	330	ug/kg	05/30/2007 0934
Phenol	ND		1	330	ug/kg	05/30/2007 0934
Pyrene	ND		1	330	ug/kg	05/30/2007 0934
2,4,6-Trichlorophenol	ND		1	330	ug/kg	05/30/2007 0934
2,4,5-Trichlorophenol	ND		1	330	ug/kg	05/30/2007 0934

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		62	30-117
2-Fluorobiphenyl		66	33-102
2-Fluorophenol		74	28-104
Nitrobenzene-d5		69	22-109
Phenol-d5		76	27-103
Terphenyl-d14		68	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58408-002
Batch: 58408
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 2045

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	3300	2300		1	70	30-130	05/30/2007 0956
Acenaphthylene	3300	2200		1	67	30-130	05/30/2007 0956
Anthracene	3300	2500		1	75	30-130	05/30/2007 0956
Benzo(a)anthracene	3300	2400		1	73	30-130	05/30/2007 0956
Benzo(a)pyrene	3300	3300		1	100	30-130	05/30/2007 0956
Benzo(b)fluoranthene	3300	3300		1	99	30-130	05/30/2007 0956
Benzo(g,h,i)perylene	3300	3500		1	106	30-130	05/30/2007 0956
Benzo(k)fluoranthene	3300	3000		1	90	30-130	05/30/2007 0956
4-Bromophenyl phenyl ether	3300	2400		1	71	30-130	05/30/2007 0956
Butyl benzyl phthalate	3300	2200		1	67	30-130	05/30/2007 0956
Carbazole	3300	3400		1	102	30-130	05/30/2007 0956
4-Chloro-3-methyl phenol	3300	2500		1	74	30-130	05/30/2007 0956
4-Chloroaniline	3300	1200		1	37	10-130	05/30/2007 0956
bis(2-Chloroethoxy)methane	3300	2200		1	67	30-130	05/30/2007 0956
bis(2-Chloroethyl)ether	3300	2200		1	65	30-130	05/30/2007 0956
bis(2-Chloroisopropyl)ether	3300	2000		1	60	30-130	05/30/2007 0956
2-Chloronaphthalene	3300	2500		1	74	30-130	05/30/2007 0956
2-Chlorophenol	3300	2300		1	69	30-130	05/30/2007 0956
4-Chlorophenyl phenyl ether	3300	2400		1	71	30-130	05/30/2007 0956
Chrysene	3300	2400		1	71	30-130	05/30/2007 0956
Dibenzo(a,h)anthracene	3300	3700		1	112	30-130	05/30/2007 0956
Dibenzofuran	3300	2400		1	72	30-130	05/30/2007 0956
2,4-Dichlorophenol	3300	2300		1	69	30-130	05/30/2007 0956
Diethylphthalate	3300	2500		1	76	30-130	05/30/2007 0956
Dimethyl phthalate	3300	2400		1	73	30-130	05/30/2007 0956
2,4-Dimethylphenol	3300	2000		1	59	30-130	05/30/2007 0956
Di-n-butyl phthalate	3300	2600		1	78	30-130	05/30/2007 0956
4,6-Dinitro-2-methylphenol	17000	15000		1	90	30-130	05/30/2007 0956
2,4-Dinitrophenol	17000	15000		1	90	30-130	05/30/2007 0956
2,4-Dinitrotoluene	6700	5400		1	82	30-130	05/30/2007 0956
2,6-Dinitrotoluene	6700	5200		1	78	30-130	05/30/2007 0956
Di-n-octylphthalate	3300	2800		1	86	30-130	05/30/2007 0956
bis(2-Ethylhexyl)phthalate	3300	2100		1	63	30-130	05/30/2007 0956
Fluoranthene	3300	2400		1	72	30-130	05/30/2007 0956
Fluorene	3300	2400		1	73	30-130	05/30/2007 0956
Hexachlorobenzene	3300	2400		1	70	30-130	05/30/2007 0956
Hexachlorobutadiene	3300	2000		1	61	30-130	05/30/2007 0956
Hexachlorocyclopentadiene	17000	11000		1	66	30-130	05/30/2007 0956
Hexachloroethane	3300	1700		1	52	30-130	05/30/2007 0956
Indeno(1,2,3-c,d)pyrene	3300	3700		1	112	30-130	05/30/2007 0956
Isophorone	3300	2000		1	60	30-130	05/30/2007 0956
2-Methylnaphthalene	3300	2200		1	68	30-130	05/30/2007 0956
2-Methylphenol	3300	2100		1	64	30-130	05/30/2007 0956
3 & 4-Methylphenol	6700	4400		1	66	30-130	05/30/2007 0956
Naphthalene	3300	2000		1	60	30-130	05/30/2007 0956
2-Nitroaniline	6700	5400		1	80	30-130	05/30/2007 0956

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58408-002
Batch: 58408
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 2045

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
3-Nitroaniline	6700	4800		1	73	30-130	05/30/2007 0956
4-Nitroaniline	6700	6200		1	94	30-130	05/30/2007 0956
Nitrobenzene	3300	2300		1	68	30-130	05/30/2007 0956
4-Nitrophenol	17000	15000		1	90	30-130	05/30/2007 0956
2-Nitrophenol	6700	4600		1	70	30-130	05/30/2007 0956
N-Nitrosodi-n-propylamine	3300	2200		1	68	30-130	05/30/2007 0956
N-Nitrosodiphenylamine/Diphenylamine	3300	2500		1	75	30-130	05/30/2007 0956
Pentachlorophenol	17000	11000		1	67	30-130	05/30/2007 0956
Phenanthrene	3300	2500		1	74	30-130	05/30/2007 0956
Phenol	3300	2200		1	66	30-130	05/30/2007 0956
Pyrene	3300	2200		1	66	30-130	05/30/2007 0956
2,4,6-Trichlorophenol	3300	2400		1	72	30-130	05/30/2007 0956
2,4,5-Trichlorophenol	3300	2400		1	73	30-130	05/30/2007 0956

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		73	30-117
2-Fluorobiphenyl		65	33-102
2-Fluorophenol		72	28-104
Nitrobenzene-d5		70	22-109
Phenol-d5		73	27-103
Terphenyl-d14		68	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: IE24017-001MS
Batch: 58408
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 2045

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	ND	3700	2900		1	80	30-130	05/30/2007 1204
Acenaphthylene	ND	3700	2800		1	75	30-130	05/30/2007 1204
Anthracene	ND	3700	3000		1	84	30-130	05/30/2007 1204
Benzo(a)anthracene	ND	3700	3200		1	87	30-130	05/30/2007 1204
Benzo(a)pyrene	ND	3700	3200		1	88	30-130	05/30/2007 1204
Benzo(b)fluoranthene	ND	3700	3200		1	86	30-130	05/30/2007 1204
Benzo(g,h,i)perylene	ND	3700	3600		1	97	30-130	05/30/2007 1204
Benzo(k)fluoranthene	ND	3700	3000		1	81	30-130	05/30/2007 1204
4-Bromophenyl phenyl ether	ND	3700	2900		1	80	30-130	05/30/2007 1204
Butyl benzyl phthalate	ND	3700	2800		1	78	30-130	05/30/2007 1204
Carbazole	ND	3700	4100		1	112	30-130	05/30/2007 1204
4-Chloro-3-methyl phenol	ND	3700	3200		1	89	30-130	05/30/2007 1204
4-Chloroaniline	ND	3700	1500		1	41	10-130	05/30/2007 1204
bis(2-Chloroethoxy)methane	ND	3700	2800		1	76	30-130	05/30/2007 1204
bis(2-Chloroethyl)ether	ND	3700	2700		1	73	30-130	05/30/2007 1204
bis(2-Chloroisopropyl)ether	ND	3700	2400		1	66	30-130	05/30/2007 1204
2-Chloronaphthalene	ND	3700	3100		1	85	30-130	05/30/2007 1204
2-Chlorophenol	ND	3700	2800		1	77	30-130	05/30/2007 1204
4-Chlorophenyl phenyl ether	ND	3700	2900		1	79	30-130	05/30/2007 1204
Chrysene	ND	3700	3000		1	81	30-130	05/30/2007 1204
Dibenzo(a,h)anthracene	ND	3700	3900		1	108	30-130	05/30/2007 1204
Dibenzofuran	ND	3700	2900		1	80	30-130	05/30/2007 1204
2,4-Dichlorophenol	ND	3700	2900		1	79	30-130	05/30/2007 1204
Diethylphthalate	ND	3700	3100		1	84	30-130	05/30/2007 1204
Dimethyl phthalate	ND	3700	3000		1	81	30-130	05/30/2007 1204
2,4-Dimethylphenol	ND	3700	2500		1	69	30-130	05/30/2007 1204
Di-n-butyl phthalate	ND	3700	3100		1	85	30-130	05/30/2007 1204
4,6-Dinitro-2-methylphenol	ND	18000	18000		1	97	30-130	05/30/2007 1204
2,4-Dinitrophenol	ND	18000	14000		1	78	30-130	05/30/2007 1204
2,4-Dinitrotoluene	ND	7300	6700		1	91	30-130	05/30/2007 1204
2,6-Dinitrotoluene	ND	7300	6300		1	86	30-130	05/30/2007 1204
Di-n-octylphthalate	ND	3700	2900		1	78	30-130	05/30/2007 1204
bis(2-Ethylhexyl)phthalate	ND	3700	2700		1	75	30-130	05/30/2007 1204
Fluoranthene	ND	3700	3000		1	81	30-130	05/30/2007 1204
Fluorene	ND	3700	3000		1	81	30-130	05/30/2007 1204
Hexachlorobenzene	ND	3700	3000		1	82	30-130	05/30/2007 1204
Hexachlorobutadiene	ND	3700	2500		1	69	30-130	05/30/2007 1204
Hexachlorocyclopentadiene	ND	18000	12000		1	67	30-130	05/30/2007 1204
Hexachloroethane	ND	3700	2100		1	56	30-130	05/30/2007 1204
Indeno(1,2,3-c,d)pyrene	ND	3700	3700		1	100	30-130	05/30/2007 1204
Isophorone	ND	3700	2500		1	69	30-130	05/30/2007 1204
2-Methylnaphthalene	ND	3700	2800		1	76	30-130	05/30/2007 1204
2-Methylphenol	ND	3700	2900		1	79	30-130	05/30/2007 1204
3 & 4-Methylphenol	ND	7300	5400		1	73	30-130	05/30/2007 1204
Naphthalene	ND	3700	2500		1	68	30-130	05/30/2007 1204
2-Nitroaniline	ND	7300	6400		1	87	30-130	05/30/2007 1204

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: IE24017-001MS
Batch: 58408
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 2045

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
3-Nitroaniline	ND	7300	5400		1	74	30-130	05/30/2007 1204
4-Nitroaniline	ND	7300	7700		1	105	30-130	05/30/2007 1204
Nitrobenzene	ND	3700	2800		1	77	30-130	05/30/2007 1204
4-Nitrophenol	ND	18000	16000		1	90	30-130	05/30/2007 1204
2-Nitrophenol	ND	7300	5800		1	78	30-130	05/30/2007 1204
N-Nitrosodi-n-propylamine	ND	3700	2800		1	76	30-130	05/30/2007 1204
N-Nitrosodiphenylamine/Diphenylamine	ND	3700	3000		1	83	30-130	05/30/2007 1204
Pentachlorophenol	ND	18000	12000		1	67	30-130	05/30/2007 1204
Phenanthrene	ND	3700	3100		1	84	30-130	05/30/2007 1204
Phenol	ND	3700	2700		1	73	30-130	05/30/2007 1204
Pyrene	ND	3700	2800		1	76	30-130	05/30/2007 1204
2,4,6-Trichlorophenol	ND	3700	3100		1	84	30-130	05/30/2007 1204
2,4,5-Trichlorophenol	ND	3700	3000		1	83	30-130	05/30/2007 1204

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		84	30-117
2-Fluorobiphenyl		71	33-102
2-Fluorophenol		77	28-104
Nitrobenzene-d5		75	22-109
Phenol-d5		81	27-103
Terphenyl-d14		79	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: IE24017-001MD
Batch: 58408
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 2045

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	3700	2900		1	79	1.3	30-130	40	05/30/2007 1226
Acenaphthylene	ND	3700	2700		1	75	0.68	30-130	40	05/30/2007 1226
Anthracene	ND	3700	3000		1	83	0.072	30-130	40	05/30/2007 1226
Benzo(a)anthracene	ND	3700	3100		1	84	3.4	30-130	40	05/30/2007 1226
Benzo(a)pyrene	ND	3700	3400		1	92	4.1	30-130	40	05/30/2007 1226
Benzo(b)fluoranthene	ND	3700	3200		1	88	2.3	30-130	40	05/30/2007 1226
Benzo(g,h,i)perylene	ND	3700	3400		1	94	3.6	30-130	40	05/30/2007 1226
Benzo(k)fluoranthene	ND	3700	2900		1	80	2.0	30-130	40	05/30/2007 1226
4-Bromophenyl phenyl ether	ND	3700	3000		1	81	1.2	30-130	40	05/30/2007 1226
Butyl benzyl phthalate	ND	3700	2800		1	77	1.8	30-130	40	05/30/2007 1226
Carbazole	ND	3700	4200		1	114	1.9	30-130	40	05/30/2007 1226
4-Chloro-3-methyl phenol	ND	3700	3300		1	89	0.56	30-130	40	05/30/2007 1226
4-Chloroaniline	ND	3700	1400		1	39	4.2	10-130	40	05/30/2007 1226
bis(2-Chloroethoxy)methane	ND	3700	2700		1	73	3.9	30-130	40	05/30/2007 1226
bis(2-Chloroethyl)ether	ND	3700	2500		1	69	5.6	30-130	40	05/30/2007 1226
bis(2-Chloroisopropyl)ether	ND	3700	2300		1	64	3.4	30-130	40	05/30/2007 1226
2-Chloronaphthalene	ND	3700	3000		1	82	3.9	30-130	40	05/30/2007 1226
2-Chlorophenol	ND	3700	2700		1	74	3.4	30-130	40	05/30/2007 1226
4-Chlorophenyl phenyl ether	ND	3700	2900		1	80	0.34	30-130	40	05/30/2007 1226
Chrysene	ND	3700	2900		1	80	1.2	30-130	40	05/30/2007 1226
Dibenzo(a,h)anthracene	ND	3700	3900		1	106	1.6	30-130	40	05/30/2007 1226
Dibenzofuran	ND	3700	2900		1	79	0.82	30-130	40	05/30/2007 1226
2,4-Dichlorophenol	ND	3700	2800		1	76	3.6	30-130	40	05/30/2007 1226
Diethylphthalate	ND	3700	3100		1	84	0.22	30-130	40	05/30/2007 1226
Dimethyl phthalate	ND	3700	3000		1	81	0.62	30-130	40	05/30/2007 1226
2,4-Dimethylphenol	ND	3700	2400		1	65	6.0	30-130	40	05/30/2007 1226
Di-n-butyl phthalate	ND	3700	3100		1	86	0.55	30-130	40	05/30/2007 1226
4,6-Dinitro-2-methylphenol	ND	18000	18000		1	96	0.43	30-130	40	05/30/2007 1226
2,4-Dinitrophenol	ND	18000	15000		1	84	6.4	30-130	40	05/30/2007 1226
2,4-Dinitrotoluene	ND	7300	6800		1	92	1.8	30-130	40	05/30/2007 1226
2,6-Dinitrotoluene	ND	7300	6400		1	87	1.6	30-130	40	05/30/2007 1226
Di-n-octylphthalate	ND	3700	2800		1	77	1.8	30-130	40	05/30/2007 1226
bis(2-Ethylhexyl)phthalate	ND	3700	2700		1	73	2.4	30-130	40	05/30/2007 1226
Fluoranthene	ND	3700	3000		1	82	1.9	30-130	40	05/30/2007 1226
Fluorene	ND	3700	3000		1	81	0.34	30-130	40	05/30/2007 1226
Hexachlorobenzene	ND	3700	3000		1	81	0.50	30-130	40	05/30/2007 1226
Hexachlorobutadiene	ND	3700	2500		1	67	2.6	30-130	40	05/30/2007 1226
Hexachlorocyclopentadiene	ND	18000	12000		1	65	2.4	30-130	40	05/30/2007 1226
Hexachloroethane	ND	3700	2000		1	53	5.7	30-130	40	05/30/2007 1226
Indeno(1,2,3-c,d)pyrene	ND	3700	3600		1	97	2.8	30-130	40	05/30/2007 1226
Isophorone	ND	3700	2400		1	67	2.6	30-130	40	05/30/2007 1226
2-Methylnaphthalene	ND	3700	2700		1	74	1.4	30-130	40	05/30/2007 1226
2-Methylphenol	ND	3700	2800		1	75	5.0	30-130	40	05/30/2007 1226
3 & 4-Methylphenol	ND	7300	5300		1	73	0.18	30-130	40	05/30/2007 1226
Naphthalene	ND	3700	2400		1	66	3.2	30-130	40	05/30/2007 1226
2-Nitroaniline	ND	7300	6400		1	88	1.5	30-130	40	05/30/2007 1226

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: IE24017-001MD
Batch: 58408
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 2045

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
3-Nitroaniline	ND	7300	5600		1	76	2.4	30-130	40	05/30/2007 1226
4-Nitroaniline	ND	7300	8200		1	111	6.2	30-130	40	05/30/2007 1226
Nitrobenzene	ND	3700	2700		1	74	4.8	30-130	40	05/30/2007 1226
4-Nitrophenol	ND	18000	15000		1	84	7.6	30-130	40	05/30/2007 1226
2-Nitrophenol	ND	7300	5600		1	76	2.6	30-130	40	05/30/2007 1226
N-Nitrosodi-n-propylamine	ND	3700	2700		1	74	2.5	30-130	40	05/30/2007 1226
N-Nitrosodiphenylamine/Diphenylamine	ND	3700	3100		1	85	1.8	30-130	40	05/30/2007 1226
Pentachlorophenol	ND	18000	13000		1	69	3.3	30-130	40	05/30/2007 1226
Phenanthrene	ND	3700	3100		1	84	0.037	30-130	40	05/30/2007 1226
Phenol	ND	3700	2600		1	71	2.6	30-130	40	05/30/2007 1226
Pyrene	ND	3700	2700		1	75	1.6	30-130	40	05/30/2007 1226
2,4,6-Trichlorophenol	ND	3700	3100		1	84	0.078	30-130	40	05/30/2007 1226
2,4,5-Trichlorophenol	ND	3700	3000		1	83	0.67	30-130	40	05/30/2007 1226

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		83	30-117
2-Fluorobiphenyl		70	33-102
2-Fluorophenol		76	28-104
Nitrobenzene-d5		74	22-109
Phenol-d5		78	27-103
Terphenyl-d14		76	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

PCBs by GC - MB

Sample ID: IQ58155-001
Batch: 58155
Analytical Method: 8082

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 05/24/2007 2150

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aroclor 1016	ND		1	0.25	ug/L	05/30/2007 1731
Aroclor 1221	ND		1	0.25	ug/L	05/30/2007 1731
Aroclor 1232	ND		1	0.25	ug/L	05/30/2007 1731
Aroclor 1242	ND		1	0.25	ug/L	05/30/2007 1731
Aroclor 1248	ND		1	0.25	ug/L	05/30/2007 1731
Aroclor 1254	ND		1	0.25	ug/L	05/30/2007 1731
Aroclor 1260	ND		1	0.25	ug/L	05/30/2007 1731

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		48	10-156
Tetrachloro-m-xylene		84	48-133

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

PCBs by GC - LCS

Sample ID: IQ58155-002
Batch: 58155
Analytical Method: 8082

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 05/24/2007 2150

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aroclor 1016	2.5	1.4		1	58	50-130	05/30/2007 1743
Aroclor 1260	2.5	1.4		1	57	50-130	05/30/2007 1743

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		40	10-156
Tetrachloro-m-xylene		57	48-133

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

PCBs by GC - LCSD

Sample ID: IQ58155-003
Batch: 58155
Analytical Method: 8082

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 05/24/2007 2150

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aroclor 1016	2.5	1.9		1	77	27	50-130	30	05/30/2007 1755
Aroclor 1260	2.5	1.9		1	75	27	50-130	30	05/30/2007 1755

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		39	10-156
Tetrachloro-m-xylene		75	48-133

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Organochlorine Pesticides by GC - MB

Sample ID: IQ58157-001
Batch: 58157
Analytical Method: 8081A

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 05/24/2007 2150

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aldrin	ND		1	0.025	ug/L	06/04/2007 1514
alpha-BHC	ND		1	0.025	ug/L	06/04/2007 1514
beta-BHC	ND		1	0.025	ug/L	06/04/2007 1514
delta-BHC	ND		1	0.025	ug/L	06/04/2007 1514
gamma-BHC (Lindane)	ND		1	0.025	ug/L	06/04/2007 1514
alpha-Chlordane	ND		1	0.025	ug/L	06/04/2007 1514
gamma-Chlordane	ND		1	0.025	ug/L	06/04/2007 1514
4,4'-DDD	ND		1	0.025	ug/L	06/04/2007 1514
4,4'-DDE	ND		1	0.025	ug/L	06/04/2007 1514
4,4'-DDT	ND		1	0.025	ug/L	06/04/2007 1514
Dieldrin	ND		1	0.025	ug/L	06/04/2007 1514
Endosulfan I	ND		1	0.025	ug/L	06/04/2007 1514
Endosulfan II	ND		1	0.025	ug/L	06/04/2007 1514
Endosulfan sulfate	ND		1	0.025	ug/L	06/04/2007 1514
Endrin	ND		1	0.025	ug/L	06/04/2007 1514
Endrin aldehyde	ND		1	0.025	ug/L	06/04/2007 1514
Endrin ketone	ND		1	0.025	ug/L	06/04/2007 1514
Heptachlor	ND		1	0.025	ug/L	06/04/2007 1514
Heptachlor epoxide	ND		1	0.025	ug/L	06/04/2007 1514
Methoxychlor	ND		1	0.10	ug/L	06/04/2007 1514
Toxaphene	ND		1	0.25	ug/L	06/04/2007 1514

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		57	10-156
Tetrachloro-m-xylene		73	48-133

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Organochlorine Pesticides by GC - LCS

Sample ID: IQ58157-002
Batch: 58157
Analytical Method: 8081A

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 05/24/2007 2150

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aldrin	0.50	0.068	N	1	14	67-135	06/04/2007 1529
alpha-BHC	0.50	0.086	N	1	17	64-141	06/04/2007 1529
beta-BHC	0.50	0.084	N	1	17	70-156	06/04/2007 1529
delta-BHC	0.50	0.082	N	1	16	72-161	06/04/2007 1529
gamma-BHC (Lindane)	0.50	0.079	N	1	16	60-151	06/04/2007 1529
4,4'-DDD	0.50	0.099	N	1	20	74-142	06/04/2007 1529
4,4'-DDE	0.50	0.092	N	1	18	66-143	06/04/2007 1529
4,4'-DDT	0.50	0.095	N	1	19	68-158	06/04/2007 1529
Dieldrin	0.50	0.089	N	1	18	64-144	06/04/2007 1529
Endosulfan I	0.50	0.087	N	1	17	78-138	06/04/2007 1529
Endosulfan II	0.50	0.088	N	1	18	74-151	06/04/2007 1529
Endosulfan sulfate	0.50	0.089	N	1	18	64-155	06/04/2007 1529
Endrin	0.50	0.091	N	1	18	39-162	06/04/2007 1529
Endrin aldehyde	0.50	0.082	N	1	16	68-152	06/04/2007 1529
Heptachlor	0.50	0.078	N	1	16	61-147	06/04/2007 1529
Heptachlor epoxide	0.50	0.086	N	1	17	62-144	06/04/2007 1529
Methoxychlor	0.50	0.20	N	1	39	64-158	06/04/2007 1529

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		15	10-156
Tetrachloro-m-xylene	N	18	48-133

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Organochlorine Pesticides by GC - LCSD

Sample ID: IQ58157-003
Batch: 58157
Analytical Method: 8081A

Matrix: Aqueous
Prep Method: 3520C
Prep Date: 05/24/2007 2150

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aldrin	0.50	0.35	+	1	70	140	67-135	30	06/04/2007 1545
alpha-BHC	0.50	0.37	+	1	74	120	64-141	30	06/04/2007 1545
beta-BHC	0.50	0.39	+	1	79	130	70-156	30	06/04/2007 1545
delta-BHC	0.50	0.41	+	1	82	130	72-161	30	06/04/2007 1545
gamma-BHC (Lindane)	0.50	0.40	+	1	79	130	60-151	30	06/04/2007 1545
4,4'-DDD	0.50	0.40	+	1	80	120	74-142	30	06/04/2007 1545
4,4'-DDE	0.50	0.38	+	1	76	120	66-143	30	06/04/2007 1545
4,4'-DDT	0.50	0.38	+	1	76	120	68-158	30	06/04/2007 1545
Dieldrin	0.50	0.44	+	1	87	130	64-144	30	06/04/2007 1545
Endosulfan I	0.50	0.42	+	1	83	130	78-138	30	06/04/2007 1545
Endosulfan II	0.50	0.44	+	1	87	130	74-151	30	06/04/2007 1545
Endosulfan sulfate	0.50	0.44	+	1	89	130	64-155	30	06/04/2007 1545
Endrin	0.50	0.36	+	1	72	120	39-162	30	06/04/2007 1545
Endrin aldehyde	0.50	0.40	+	1	81	130	68-152	30	06/04/2007 1545
Heptachlor	0.50	0.38	+	1	76	130	61-147	30	06/04/2007 1545
Heptachlor epoxide	0.50	0.41	+	1	83	130	62-144	30	06/04/2007 1545
Methoxychlor	0.50	0.50	+	1	100	88	64-158	30	06/04/2007 1545

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		60	10-156
Tetrachloro-m-xylene		84	48-133

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - DRO - MB

Sample ID: IQ58286-001
Batch: 58286
Analytical Method: 8015B

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/28/2007 1044

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TPH-DRO	ND		1	6700	ug/kg	06/01/2007 1940

Surrogate	Q	% Rec	Acceptance Limit
o - Terphenyl		96	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - DRO - LCS

Sample ID: IQ58286-002
Batch: 58286
Analytical Method: 8015B

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/28/2007 1044

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TPH-DRO	83000	77000		1	92	50-130	06/01/2007 2006

Surrogate	Q	% Rec	Acceptance Limit
o - Terphenyl		96	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - DRO - LCSD

Sample ID: IQ58286-003
Batch: 58286
Analytical Method: 8015B

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/28/2007 1044

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TPH-DRO	83000	80000		1	96	3.5	50-130	20	06/01/2007 2032

Surrogate	Q	% Rec	Acceptance Limit
o - Terphenyl		97	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

PCBs by GC - MB

Sample ID: IQ58344-001
Batch: 58344
Analytical Method: 8082

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 957

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aroclor 1016	ND		1	17	ug/kg	05/31/2007 0030
Aroclor 1221	ND		1	17	ug/kg	05/31/2007 0030
Aroclor 1232	ND		1	17	ug/kg	05/31/2007 0030
Aroclor 1242	ND		1	17	ug/kg	05/31/2007 0030
Aroclor 1248	ND		1	17	ug/kg	05/31/2007 0030
Aroclor 1254	ND		1	17	ug/kg	05/31/2007 0030
Aroclor 1260	ND		1	17	ug/kg	05/31/2007 0030

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		95	50-130
Tetrachloro-m-xylene		72	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

PCBs by GC - LCS

Sample ID: IQ58344-002
Batch: 58344
Analytical Method: 8082

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 957

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aroclor 1016	83	76		1	92	42-149	05/31/2007 0043
Aroclor 1260	83	78		1	93	34-160	05/31/2007 0043

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		104	50-130
Tetrachloro-m-xylene		85	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

PCBs by GC - LCSD

Sample ID: IQ58344-003
Batch: 58344
Analytical Method: 8082

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 957

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aroclor 1016	83	79		1	95	4.0	42-149	30	05/31/2007 0054
Aroclor 1260	83	79		1	95	2.0	34-160	30	05/31/2007 0054

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		102	50-130
Tetrachloro-m-xylene		86	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Organochlorine Pesticides by GC - MB

Sample ID: IQ58345-001
Batch: 58345
Analytical Method: 8081A

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 957

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aldrin	ND		1	1.7	ug/kg	06/04/2007 1737
alpha-BHC	ND		1	1.7	ug/kg	06/04/2007 1737
beta-BHC	ND		1	1.7	ug/kg	06/04/2007 1737
delta-BHC	ND		1	1.7	ug/kg	06/04/2007 1737
gamma-BHC (Lindane)	ND		1	1.7	ug/kg	06/04/2007 1737
alpha-Chlordane	ND		1	1.7	ug/kg	06/04/2007 1737
gamma-Chlordane	ND		1	1.7	ug/kg	06/04/2007 1737
4,4'-DDD	ND		1	1.7	ug/kg	06/04/2007 1737
4,4'-DDE	ND		1	1.7	ug/kg	06/04/2007 1737
4,4'-DDT	ND		1	1.7	ug/kg	06/04/2007 1737
Dieldrin	ND		1	1.7	ug/kg	06/04/2007 1737
Endosulfan I	ND		1	1.7	ug/kg	06/04/2007 1737
Endosulfan II	ND		1	1.7	ug/kg	06/04/2007 1737
Endosulfan sulfate	ND		1	1.7	ug/kg	06/04/2007 1737
Endrin	ND		1	1.7	ug/kg	06/04/2007 1737
Endrin aldehyde	ND		1	1.7	ug/kg	06/04/2007 1737
Endrin ketone	ND		1	1.7	ug/kg	06/04/2007 1737
Heptachlor	ND		1	1.7	ug/kg	06/04/2007 1737
Heptachlor epoxide	ND		1	1.7	ug/kg	06/04/2007 1737
Methoxychlor	ND		1	6.7	ug/kg	06/04/2007 1737
Toxaphene	ND		1	83	ug/kg	06/04/2007 1737

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		86	50-130
Tetrachloro-m-xylene		80	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Organochlorine Pesticides by GC - LCS

Sample ID: IQ58345-002
Batch: 58345
Analytical Method: 8081A

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 957

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aldrin	17	14		1	81	50-130	06/04/2007 1753
alpha-BHC	17	13		1	75	50-130	06/04/2007 1753
beta-BHC	17	14		1	82	50-130	06/04/2007 1753
delta-BHC	17	14		1	84	50-130	06/04/2007 1753
gamma-BHC (Lindane)	17	14		1	82	50-130	06/04/2007 1753
alpha-Chlordane	17	14		1	84	50-130	06/04/2007 1753
gamma-Chlordane	17	14		1	82	50-130	06/04/2007 1753
4,4'-DDD	17	14		1	84	50-130	06/04/2007 1753
4,4'-DDE	17	13		1	79	50-130	06/04/2007 1753
4,4'-DDT	17	13		1	76	50-130	06/04/2007 1753
Dieldrin	17	15		1	88	50-130	06/04/2007 1753
Endosulfan I	17	14		1	84	50-130	06/04/2007 1753
Endosulfan II	17	15		1	88	50-130	06/04/2007 1753
Endosulfan sulfate	17	15		1	86	50-130	06/04/2007 1753
Endrin	17	13		1	75	50-130	06/04/2007 1753
Endrin aldehyde	17	13		1	78	50-130	06/04/2007 1753
Endrin ketone	17	13		1	76	50-130	06/04/2007 1753
Heptachlor	17	14		1	82	50-130	06/04/2007 1753
Heptachlor epoxide	17	14		1	84	50-130	06/04/2007 1753
Methoxychlor	17	17		1	99	50-130	06/04/2007 1753

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		85	50-130
Tetrachloro-m-xylene		87	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Organochlorine Pesticides by GC - LCSD

Sample ID: iQ58345-003
Batch: 58345
Analytical Method: 8081A

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 957

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aldrin	17	13		1	77	5.9	50-130	30	06/04/2007 1809
alpha-BHC	17	12		1	71	5.3	50-130	30	06/04/2007 1809
beta-BHC	17	14		1	82	0.64	50-130	30	06/04/2007 1809
delta-BHC	17	14		1	84	0.42	50-130	30	06/04/2007 1809
gamma-BHC (Lindane)	17	13		1	79	4.8	50-130	30	06/04/2007 1809
alpha-Chlordane	17	14		1	83	0.49	50-130	30	06/04/2007 1809
gamma-Chlordane	17	14		1	82	0.23	50-130	30	06/04/2007 1809
4,4'-DDD	17	14		1	85	2.2	50-130	30	06/04/2007 1809
4,4'-DDE	17	14		1	80	1.1	50-130	30	06/04/2007 1809
4,4'-DDT	17	13		1	79	3.6	50-130	30	06/04/2007 1809
Dieldrin	17	15		1	87	0.44	50-130	30	06/04/2007 1809
Endosulfan I	17	14		1	82	1.7	50-130	30	06/04/2007 1809
Endosulfan II	17	15		1	89	0.51	50-130	30	06/04/2007 1809
Endosulfan sulfate	17	15		1	89	3.6	50-130	30	06/04/2007 1809
Endrin	17	13		1	77	1.9	50-130	30	06/04/2007 1809
Endrin aldehyde	17	14		1	80	1.5	50-130	30	06/04/2007 1809
Endrin ketone	17	13		1	78	2.4	50-130	30	06/04/2007 1809
Heptachlor	17	13		1	78	5.3	50-130	30	06/04/2007 1809
Heptachlor epoxide	17	14		1	82	2.5	50-130	30	06/04/2007 1809
Methoxychlor	17	17		1	102	3.2	50-130	30	06/04/2007 1809

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		91	50-130
Tetrachloro-m-xylene		80	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - MB

Sample ID: IQ58546-001
Batch: 58546
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TPH-GRO	ND		1	5000	ug/kg	05/30/2007 1438

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - LCS

Sample ID: IQ58546-002
Batch: 58546
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TPH-GRO	40000	37000		1	93	70-130	05/30/2007 1503

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - LCSD

Sample ID: IQ58546-003
Batch: 58546
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TPH-GRO	40000	40000		1	100	6.5	70-130	20	05/30/2007 1528

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - MB

Sample ID: IQ58777-001
Batch: 58777
Analytical Method: 8015B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TPH-GRO	ND		1	100	ug/L	06/05/2007 1440

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - LCS

Sample ID: IQ58777-002
Batch: 58777
Analytical Method: 8015B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TPH-GRO	1000	880		1	88	70-130	06/05/2007 1505

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - LCSD

Sample ID: IQ58777-003
Batch: 58777
Analytical Method: 8015B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TPH-GRO	1000	880		1	88	0.0	70-130	20	06/05/2007 1530

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MB

Sample ID: IQ58201-001
Batch: 58201
Analytical Method: 6010B

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 05/25/2007 1037

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aluminum	ND		1	0.20	mg/L	06/08/2007 0108
Antimony	ND		1	0.010	mg/L	06/08/2007 0108
Arsenic	ND		1	0.010	mg/L	06/08/2007 0108
Barium	ND		1	0.025	mg/L	06/08/2007 0108
Beryllium	ND		1	0.0040	mg/L	06/08/2007 0108
Cadmium	ND		1	0.0020	mg/L	06/08/2007 0108
Calcium	ND		1	5.0	mg/L	06/08/2007 0108
Chromium	ND		1	0.0050	mg/L	06/08/2007 0108
Cobalt	ND		1	0.025	mg/L	06/08/2007 0108
Copper	ND		1	0.0050	mg/L	06/08/2007 0108
Iron	ND		1	0.10	mg/L	06/08/2007 0108
Lead	ND		1	0.010	mg/L	06/08/2007 0108
Magnesium	ND		1	5.0	mg/L	06/08/2007 0108
Manganese	ND		1	0.015	mg/L	06/08/2007 0108
Nickel	ND		1	0.040	mg/L	06/08/2007 0108
Potassium	ND		1	5.0	mg/L	06/08/2007 0108
Selenium	ND		1	0.010	mg/L	06/08/2007 0108
Silver	ND		1	0.0050	mg/L	06/08/2007 0108
Sodium	ND		1	5.0	mg/L	06/08/2007 0108
Thallium	ND		1	0.050	mg/L	06/08/2007 0108
Vanadium	ND		1	0.050	mg/L	06/08/2007 0108
Zinc	ND		1	0.020	mg/L	06/08/2007 0108

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCS

Sample ID: IQ58201-002
Batch: 58201
Analytical Method: 6010B

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 05/25/2007 1037

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	20	21		1	105	80-120	06/08/2007 0115
Antimony	0.40	0.40		1	101	80-120	06/08/2007 0115
Arsenic	0.40	0.44		1	110	80-120	06/08/2007 0115
Barium	2.0	2.1		1	107	80-120	06/08/2007 0115
Beryllium	2.0	2.1		1	106	80-120	06/08/2007 0115
Cadmium	0.40	0.43		1	107	80-120	06/08/2007 0115
Calcium	40	42		1	106	80-120	06/08/2007 0115
Chromium	2.0	2.1		1	106	80-120	06/08/2007 0115
Cobalt	2.0	2.1		1	107	80-120	06/08/2007 0115
Copper	2.0	2.0		1	100	80-120	06/08/2007 0115
Iron	20	20		1	102	80-120	06/08/2007 0115
Lead	0.40	0.40		1	100	80-120	06/08/2007 0115
Magnesium	40	42		1	106	80-120	06/08/2007 0115
Manganese	2.0	2.1		1	105	80-120	06/08/2007 0115
Nickel	2.0	2.1		1	107	80-120	06/08/2007 0115
Potassium	40	43		1	108	80-120	06/08/2007 0115
Selenium	0.40	0.44		1	109	80-120	06/08/2007 0115
Silver	0.40	0.41		1	103	80-120	06/08/2007 0115
Sodium	40	40		1	101	80-120	06/08/2007 0115
Thallium	0.80	0.85		1	106	80-120	06/08/2007 0115
Vanadium	2.0	2.1		1	105	80-120	06/08/2007 0115
Zinc	2.0	2.1		1	105	80-120	06/08/2007 0115

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCSD

Sample ID: IQ58201-003
Batch: 58201
Analytical Method: 6010B

Matrix: Aqueous
Prep Method: 3005A
Prep Date: 05/25/2007 1037

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aluminum	20	21		1	106	1.2	80-120	20	06/08/2007 0122
Antimony	0.40	0.40		1	101	0.44	80-120	20	06/08/2007 0122
Arsenic	0.40	0.45		1	112	1.6	80-120	20	06/08/2007 0122
Barium	2.0	2.2		1	108	0.40	80-120	20	06/08/2007 0122
Beryllium	2.0	2.1		1	107	1.3	80-120	20	06/08/2007 0122
Cadmium	0.40	0.43		1	108	0.56	80-120	20	06/08/2007 0122
Calcium	40	42		1	106	0.62	80-120	20	06/08/2007 0122
Chromium	2.0	2.1		1	106	0.85	80-120	20	06/08/2007 0122
Cobalt	2.0	2.1		1	107	0.75	80-120	20	06/08/2007 0122
Copper	2.0	2.0		1	102	1.2	80-120	20	06/08/2007 0122
Iron	20	20		1	103	0.54	80-120	20	06/08/2007 0122
Lead	0.40	0.40		1	99	0.44	80-120	20	06/08/2007 0122
Magnesium	40	43		1	106	0.58	80-120	20	06/08/2007 0122
Manganese	2.0	2.1		1	106	0.68	80-120	20	06/08/2007 0122
Nickel	2.0	2.2		1	108	0.71	80-120	20	06/08/2007 0122
Potassium	40	44		1	109	0.86	80-120	20	06/08/2007 0122
Selenium	0.40	0.44		1	111	1.8	80-120	20	06/08/2007 0122
Silver	0.40	0.42		1	104	1.2	80-120	20	06/08/2007 0122
Sodium	40	41		1	103	2.3	80-120	20	06/08/2007 0122
Thallium	0.80	0.87		1	108	2.0	80-120	20	06/08/2007 0122
Vanadium	2.0	2.1		1	106	0.76	80-120	20	06/08/2007 0122
Zinc	2.0	2.1		1	106	0.86	80-120	20	06/08/2007 0122

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MB

Sample ID: IQ58333-001
Batch: 58333
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 05/28/2007 1721

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aluminum	ND		1	10	mg/kg	06/04/2007 2151
Antimony	ND		1	0.50	mg/kg	06/04/2007 2151
Arsenic	ND		1	0.50	mg/kg	06/04/2007 2151
Barium	ND		1	1.3	mg/kg	06/04/2007 2151
Beryllium	ND		1	0.20	mg/kg	06/04/2007 2151
Cadmium	ND		1	0.10	mg/kg	06/04/2007 2151
Calcium	ND		1	250	mg/kg	06/04/2007 2151
Chromium	ND		1	0.25	mg/kg	06/04/2007 2151
Cobalt	ND		1	1.3	mg/kg	06/04/2007 2151
Copper	ND		1	0.25	mg/kg	06/04/2007 2151
Iron	ND		1	5.0	mg/kg	06/04/2007 2151
Lead	ND		1	0.50	mg/kg	06/04/2007 2151
Magnesium	ND		1	250	mg/kg	06/04/2007 2151
Manganese	ND		1	0.75	mg/kg	06/04/2007 2151
Nickel	ND		1	2.0	mg/kg	06/04/2007 2151
Potassium	ND		1	250	mg/kg	06/04/2007 2151
Selenium	ND		1	0.50	mg/kg	06/04/2007 2151
Silver	ND		1	0.25	mg/kg	06/04/2007 2151
Sodium	ND		1	250	mg/kg	06/04/2007 2151
Thallium	ND		1	2.5	mg/kg	06/04/2007 2151
Vanadium	ND		1	2.5	mg/kg	06/04/2007 2151
Zinc	ND		1	2.5	mg/kg	06/04/2007 2151

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCS

Sample ID: IQ58333-002
Batch: 58333
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 05/28/2007 1721

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	1000	1000		1	103	80-120	06/04/2007 2158
Antimony	50	47		1	94	80-120	06/04/2007 2158
Arsenic	250	260		1	105	80-120	06/04/2007 2158
Barium	500	500		1	101	80-120	06/04/2007 2158
Beryllium	100	100		1	102	80-120	06/04/2007 2158
Cadmium	50	52		1	103	80-120	06/04/2007 2158
Calcium	2000	2100		1	104	80-120	06/04/2007 2158
Chromium	250	260		1	105	80-120	06/04/2007 2158
Cobalt	100	100		1	104	80-120	06/04/2007 2158
Copper	100	100		1	103	80-120	06/04/2007 2158
Iron	1000	980		1	98	80-120	06/04/2007 2158
Lead	250	260		1	102	80-120	06/04/2007 2158
Magnesium	2000	2100		1	104	80-120	06/04/2007 2158
Manganese	100	100		1	104	80-120	06/04/2007 2158
Nickel	100	100		1	104	80-120	06/04/2007 2158
Potassium	2000	2000		1	102	80-120	06/04/2007 2158
Selenium	50	52		1	104	80-120	06/04/2007 2158
Silver	250	260		1	102	80-120	06/04/2007 2158
Sodium	2000	2000		1	100	80-120	06/04/2007 2158
Thallium	40	40		1	100	80-120	06/04/2007 2158
Vanadium	100	100		1	102	80-120	06/04/2007 2158
Zinc	100	100		1	101	80-120	06/04/2007 2158

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCSD

Sample ID: IQ58333-003
Batch: 58333
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 05/28/2007 1721

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aluminum	1000	1000		1	100	3.2	80-120	20	06/04/2007 2205
Antimony	50	46		1	92	1.5	80-120	20	06/04/2007 2205
Arsenic	250	260		1	102	2.4	80-120	20	06/04/2007 2205
Barium	500	490		1	98	2.9	80-120	20	06/04/2007 2205
Beryllium	100	100		1	100	2.4	80-120	20	06/04/2007 2205
Cadmium	50	50		1	101	2.4	80-120	20	06/04/2007 2205
Calcium	2000	2000		1	101	2.9	80-120	20	06/04/2007 2205
Chromium	250	250		1	101	3.4	80-120	20	06/04/2007 2205
Cobalt	100	100		1	102	2.4	80-120	20	06/04/2007 2205
Copper	100	100		1	100	3.5	80-120	20	06/04/2007 2205
Iron	1000	960		1	96	2.7	80-120	20	06/04/2007 2205
Lead	250	250		1	100	2.7	80-120	20	06/04/2007 2205
Magnesium	2000	2000		1	101	2.9	80-120	20	06/04/2007 2205
Manganese	100	100		1	100	3.7	80-120	20	06/04/2007 2205
Nickel	100	100		1	101	2.4	80-120	20	06/04/2007 2205
Potassium	2000	2000		1	98	4.5	80-120	20	06/04/2007 2205
Selenium	50	51		1	102	2.2	80-120	20	06/04/2007 2205
Silver	250	250		1	99	3.2	80-120	20	06/04/2007 2205
Sodium	2000	1900		1	96	4.8	80-120	20	06/04/2007 2205
Thallium	40	39		1	98	2.4	80-120	20	06/04/2007 2205
Vanadium	100	100		1	100	1.6	80-120	20	06/04/2007 2205
Zinc	100	98		1	98	2.6	80-120	20	06/04/2007 2205

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MS

Sample ID: IE24017-004MS
Batch: 58333
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 05/28/2007 1721

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	10000	1100	17000	N	1	621	75-125	06/04/2007 2247
Arsenic	1.0	280	280		1	101	75-125	06/04/2007 2247
Barium	11	560	580		1	101	75-125	06/04/2007 2247
Beryllium	ND	110	110		1	100	75-125	06/04/2007 2247
Cadmium	ND	56	57		1	101	75-125	06/04/2007 2247
Calcium	ND	2200	2300		1	103	75-125	06/04/2007 2247
Chromium	11	280	300		1	103	75-125	06/04/2007 2247
Cobalt	ND	110	120		1	102	75-125	06/04/2007 2247
Copper	1.3	110	120		1	102	75-125	06/04/2007 2247
Lead	4.1	280	280		1	100	75-125	06/04/2007 2247
Magnesium	360	2200	2900		1	112	75-125	06/04/2007 2247
Manganese	8.9	110	120		1	98	75-125	06/04/2007 2247
Nickel	ND	110	120		1	105	75-125	06/04/2007 2247
Selenium	ND	56	58		1	103	75-125	06/04/2007 2247
Silver	ND	280	280		1	100	75-125	06/04/2007 2247
Sodium	ND	2200	2300		1	104	75-125	06/04/2007 2247
Thallium	ND	45	43		1	96	75-125	06/04/2007 2247
Vanadium	12	110	130		1	104	75-125	06/04/2007 2247
Zinc	25	110	120		1	85	75-125	06/04/2007 2247

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MS

Sample ID: IE24017-008MS
Batch: 58333
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 05/28/2007 1721

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	10000	1100	18000	N	1	664	75-125	06/04/2007 2350
Arsenic	0.79	280	280		1	103	75-125	06/04/2007 2350
Arsenic	0.79	280	280		1	101	75-125	06/05/2007 1108
Barium	14	550	580		1	103	75-125	06/04/2007 2350
Beryllium	ND	110	110		1	103	75-125	06/04/2007 2350
Cadmium	ND	55	57		1	104	75-125	06/04/2007 2350
Calcium	ND	2200	2400		1	107	75-125	06/04/2007 2350
Chromium	12	280	300		1	106	75-125	06/04/2007 2350
Cobalt	ND	110	120		1	105	75-125	06/04/2007 2350
Copper	1.1	110	120		1	105	75-125	06/04/2007 2350
Lead	4.3	280	280		1	102	75-125	06/04/2007 2350
Magnesium	420	2200	3000		1	115	75-125	06/04/2007 2350
Manganese	10	110	120		1	99	75-125	06/04/2007 2350
Nickel	ND	110	120		1	108	75-125	06/04/2007 2350
Selenium	ND	55	57		1	104	75-125	06/04/2007 2350
Silver	ND	280	280		1	103	75-125	06/04/2007 2350
Sodium	ND	2200	2300		1	106	75-125	06/04/2007 2350
Thallium	ND	44	43		1	99	75-125	06/04/2007 2350
Vanadium	13	110	130		1	107	75-125	06/04/2007 2350

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MSD

Sample ID: IE24017-004MD
Batch: 58333
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 05/28/2007 1721

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aluminum	10000	1100	17000	N	1	620	0.063	75-125	20	06/04/2007 2254
Arsenic	1.0	280	280		1	100	1.6	75-125	20	06/04/2007 2254
Barium	11	560	560		1	99	2.0	75-125	20	06/04/2007 2254
Beryllium	ND	110	110		1	99	0.99	75-125	20	06/04/2007 2254
Cadmium	ND	56	56		1	100	0.92	75-125	20	06/04/2007 2254
Calcium	ND	2200	2300		1	102	0.96	75-125	20	06/04/2007 2254
Chromium	11	280	300		1	102	1.1	75-125	20	06/04/2007 2254
Cobalt	ND	110	110		1	101	1.4	75-125	20	06/04/2007 2254
Copper	1.3	110	120		1	102	0.62	75-125	20	06/04/2007 2254
Lead	4.1	280	280		1	98	1.1	75-125	20	06/04/2007 2254
Magnesium	360	2200	2800		1	111	1.0	75-125	20	06/04/2007 2254
Manganese	8.9	110	120		1	97	1.1	75-125	20	06/04/2007 2254
Nickel	ND	110	120		1	103	1.6	75-125	20	06/04/2007 2254
Selenium	ND	56	56		1	101	2.5	75-125	20	06/04/2007 2254
Silver	ND	280	280		1	99	0.74	75-125	20	06/04/2007 2254
Sodium	ND	2200	2400		1	107	2.9	75-125	20	06/04/2007 2254
Thallium	ND	45	42		1	94	1.8	75-125	20	06/04/2007 2254
Vanadium	12	110	130		1	103	1.4	75-125	20	06/04/2007 2254
Zinc	25	110	130		1	94	7.5	75-125	20	06/04/2007 2254

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MB

Sample ID: IQ58690-001
Batch: 58690
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 05/30/2007 1300

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aluminum	ND		1	10	mg/kg	06/02/2007 0111
Antimony	ND		1	0.50	mg/kg	06/02/2007 0111
Arsenic	ND		1	0.50	mg/kg	06/02/2007 0111
Barium	ND		1	1.3	mg/kg	06/02/2007 0111
Beryllium	ND		1	0.20	mg/kg	06/02/2007 0111
Cadmium	ND		1	0.10	mg/kg	06/02/2007 0111
Calcium	ND		1	250	mg/kg	06/02/2007 0111
Chromium	ND		1	0.25	mg/kg	06/02/2007 0111
Cobalt	ND		1	1.3	mg/kg	06/02/2007 0111
Copper	ND		1	0.25	mg/kg	06/02/2007 0111
Iron	ND		1	5.0	mg/kg	06/04/2007 1511
Lead	ND		1	0.50	mg/kg	06/02/2007 0111
Magnesium	ND		1	250	mg/kg	06/02/2007 0111
Manganese	ND		1	0.75	mg/kg	06/02/2007 0111
Nickel	ND		1	2.0	mg/kg	06/02/2007 0111
Potassium	ND		1	250	mg/kg	06/02/2007 0111
Selenium	ND		1	0.50	mg/kg	06/02/2007 0111
Silver	ND		1	0.25	mg/kg	06/02/2007 0111
Sodium	ND		1	250	mg/kg	06/02/2007 0111
Thallium	ND		1	2.5	mg/kg	06/02/2007 0111
Vanadium	ND		1	2.5	mg/kg	06/02/2007 0111
Zinc	ND		1	2.5	mg/kg	06/02/2007 0111

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCS

Sample ID: IQ58690-002
Batch: 58690
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 05/30/2007 1300

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	1000	970		1	97	80-120	06/02/2007 0117
Antimony	50	48		1	96	80-120	06/02/2007 0117
Arsenic	250	250		1	102	80-120	06/02/2007 0117
Barium	500	470		1	94	80-120	06/02/2007 0117
Beryllium	100	96		1	96	80-120	06/02/2007 0117
Cadmium	50	48		1	96	80-120	06/02/2007 0117
Calcium	2000	2000		1	100	80-120	06/02/2007 0117
Chromium	250	250		1	101	80-120	06/02/2007 0117
Cobalt	100	98		1	98	80-120	06/02/2007 0117
Copper	100	100		1	100	80-120	06/02/2007 0117
Iron	1000	970		1	97	80-120	06/04/2007 1517
Lead	250	240		1	95	80-120	06/02/2007 0117
Magnesium	2000	2000		1	98	80-120	06/02/2007 0117
Manganese	100	99		1	99	80-120	06/02/2007 0117
Nickel	100	96		1	96	80-120	06/02/2007 0117
Potassium	2000	1900		1	96	80-120	06/02/2007 0117
Selenium	50	46		1	91	80-120	06/02/2007 0117
Silver	250	240		1	96	80-120	06/02/2007 0117
Sodium	2000	1900		1	96	80-120	06/02/2007 0117
Thallium	40	39		1	97	80-120	06/02/2007 0117
Vanadium	100	97		1	97	80-120	06/02/2007 0117
Zinc	100	96		1	96	80-120	06/02/2007 0117

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCSD

Sample ID: IQ58690-003
Batch: 58690
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 05/30/2007 1300

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aluminum	1000	980		1	98	0.69	80-120	20	06/02/2007 0123
Antimony	50	48		1	96	0.52	80-120	20	06/02/2007 0123
Arsenic	250	250		1	102	0.11	80-120	20	06/02/2007 0123
Barium	500	480		1	95	0.94	80-120	20	06/02/2007 0123
Beryllium	100	96		1	96	0.053	80-120	20	06/02/2007 0123
Cadmium	50	48		1	97	0.79	80-120	20	06/02/2007 0123
Calcium	2000	2000		1	100	0.34	80-120	20	06/02/2007 0123
Chromium	250	250		1	100	0.43	80-120	20	06/02/2007 0123
Cobalt	100	98		1	98	0.015	80-120	20	06/02/2007 0123
Copper	100	100		1	100	0.058	80-120	20	06/02/2007 0123
Iron	1000	960		1	96	1.4	80-120	20	06/04/2007 1523
Lead	250	240		1	96	0.66	80-120	20	06/02/2007 0123
Magnesium	2000	2000		1	98	0.39	80-120	20	06/02/2007 0123
Manganese	100	99		1	99	0.59	80-120	20	06/02/2007 0123
Nickel	100	97		1	97	1.0	80-120	20	06/02/2007 0123
Potassium	2000	1900		1	96	0.47	80-120	20	06/02/2007 0123
Selenium	50	46		1	91	0.049	80-120	20	06/02/2007 0123
Silver	250	240		1	97	1.1	80-120	20	06/02/2007 0123
Sodium	2000	1900		1	96	0.61	80-120	20	06/02/2007 0123
Thallium	40	39		1	98	0.90	80-120	20	06/02/2007 0123
Vanadium	100	97		1	97	0.20	80-120	20	06/02/2007 0123
Zinc	100	96		1	96	0.67	80-120	20	06/02/2007 0123

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W".

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

TAL Metals - MS

Sample ID: IE24017-001MS
Batch: 58690
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 05/30/2007 1300

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	7600	1100	10000	N	1	231	75-125	06/02/2007 0406
Antimony	ND	55	29	N	1	53	75-125	06/04/2007 1737
Arsenic	1.4	270	250		1	92	75-125	06/02/2007 0406
Barium	13	550	500		1	89	75-125	06/02/2007 0406
Beryllium	ND	110	98		1	89	75-125	06/02/2007 0406
Cadmium	ND	55	50		1	91	75-125	06/02/2007 0406
Calcium	920	2200	2800		1	84	75-125	06/02/2007 0406
Chromium	9.2	270	270		1	94	75-125	06/02/2007 0406
Cobalt	ND	110	100		1	93	75-125	06/02/2007 0406
Copper	5.0	110	100		1	91	75-125	06/02/2007 0406
Iron	5500	1100	4000	N	1	-93	75-125	06/02/2007 0406
Iron	5500	1100	4400	N	1	-98	75-125	06/04/2007 1737
Lead	15	270	250		1	85	75-125	06/02/2007 0406
Magnesium	520	2200	2600		1	94	75-125	06/02/2007 0406
Nickel	2.7	110	100		1	91	75-125	06/02/2007 0406
Potassium	400	2200	2700		1	105	75-125	06/02/2007 0406
Selenium	ND	55	47		1	85	75-125	06/02/2007 0406
Silver	ND	270	250		1	90	75-125	06/02/2007 0406
Sodium	ND	2200	2100		1	94	75-125	06/02/2007 0406
Thallium	ND	44	39		1	90	75-125	06/02/2007 0406
Vanadium	11	110	110		1	88	75-125	06/02/2007 0406
Zinc	20	110	120		1	92	75-125	06/02/2007 0406

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MB

Sample ID: IQ58261-001
Batch: 58261
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/26/2007 1702

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Mercury	ND		1	0.083	mg/kg	05/26/2007 1412

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCS

Sample ID: IQ58261-002
Batch: 58261
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/26/2007 1702

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.83	0.86		1	104	85-115	05/26/2007 1414

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCSD

Sample ID: IQ58261-003
Batch: 58261
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/26/2007 1702

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.83	0.86		1	104	0.19	85-115	20	05/26/2007 1415

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MS

Sample ID: IE24017-001MS
Batch: 58261
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/26/2007 1702

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	ND	0.92	0.94		1	102	85-115	05/26/2007 1441

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MB

Sample ID: IQ58262-001
Batch: 58262
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/26/2007 1702

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Mercury	ND		1	0.083	mg/kg	05/26/2007 1455

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCS

Sample ID: IQ58262-002
Batch: 58262
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/26/2007 1702

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.83	0.85		1	102	85-115	05/26/2007 1456

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCSD

Sample ID: IQ58262-003
Batch: 58262
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/26/2007 1702

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.83	0.86		1	103	1.2	85-115	20	05/26/2007 1458

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MB

Sample ID: IQ58336-001
Batch: 58336
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 05/28/2007 1701

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Mercury	ND		1	0.00010	mg/L	05/29/2007 1508

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCS

Sample ID: IQ58336-002
Batch: 58336
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 05/28/2007 1701

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.0020	0.0019		1	97	85-115	05/29/2007 1509

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCSD

Sample ID: IQ58336-003
Batch: 58336
Analytical Method: 7470A

Matrix: Aqueous
Prep Method: 7470A
Prep Date: 05/28/2007 1701

Parameter	Spike Amount (mg/L)	Result (mg/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.0020	0.0019		1	94	3.4	85-115	20	05/29/2007 1510

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

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IE24017

Client Contact	Project Manager: Chuck Bertz	Site Contact: Adam Tripp	Date: 5-23-07	COC No:
ARCADIS	Tel/Fax:	Lab Contact: Paul Biery	Carrier: FED EX	Page # 1
801 Corporate Center Drive Suite 300	Analysis Turnaround Time			Job No. NC107002
Raleigh, North Carolina	Calendar (C) or Work Days (W) ____W____			
919-854-1282	TAT if different from Below _____			
919-854-5448	■ 2 weeks			SDG No.
Project Name: ONWASA	☐ 1 week			
Site: ☐ UXO-05	☐ 3 days			
Site: ☒ UXO-06	☐ 2 days			
PO# NC107002.0001.00003	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Explosive Residues 8330	TCL Pesticides 8081A	TAL Metals 6010/74220 and 6010/7421 for soil	Cyanide (Total) 9012	TOC 415.1 and Walkely Black for soil	PCB's (Aroclors) 8082	VOC's 8260B	SVOC's 8270C	Total Organic Halogens 9020B	Perchlorate 314	TPH-GRO 5030A/8015A	TPH-DRO 3350A/8015A	Sample Specific Notes:
MMRP06-IS12	5-23-07	800	Soil			X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS13	↓	830	↓			X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS14		900				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS15		930				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS16		940				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS17		1000				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS18		1030				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS19		1100				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS20		1130				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS21		1315				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS22		1345				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-IS23		1410				X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06-Dup-1		~										X						
MMRP 06-Dup-2	↓	~	↓									X						

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ■ *Unknown*

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 & Comments: All sample containers have abreviated sample ID's. For example soil sample container labeled "01" from site UXO-05 has a true ID of "MMRP05-IS01", as indicated on the COC. Ground water sample container labeled "TW16" from site UXO-06 has a true ID of "MMRP06-TW16". Please report all samples with the true ID.

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
David Zuzamba	ARCADIS	5-23-07 1700			
FED EX		5/24/07 0730	[illegible]	Shealy	5-24-07 0930

Shealy Environmental Services
106 Vantage Point Drive
West Colombia, South Carolina 29172

phone # (803) 791-9700 fax # (803) 791-91111

FE 24017

Client Contact	Project Manager: Chuck Bertz	Site Contact: Adam Tripp	Date: 5-23-07	COC No:
ARCADIS	Tel/Fax:	Lab Contact: Paul Biery	Carrier: FED EX	Page # 2
801 Corporate Center Drive Suite 300	Analysis Turnaround Time			Job No. NC107002
Raleigh, North Carolina	Calendar (C) or Work Days (W) ____ W____			
919-854-1282	TAT if different from Below _____			
919-854-5448	■ 2 weeks			SDG No.
Project Name: ONWASA	☐ 1 week			
Site: ☐ UXO-05	☐ 3 days			
Site: ☒ UXO-06	☐ 2 days			
P O # NC107092.0001.00003	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Explosive Residues 8330	TCL Pesticides 8081A	TAL Metals 6010/74220 and 6010/7421 for so	Cyanide (Total) 9012	TOC 415.1 and Walkely Black for soil	PCB's (Aroclors) 8082	VOC's 8260B	SVOC's 8270C	Total Organic Halogens 9020B	Perchlorate 314	TPH-GRO 5030A/8015A	TPH-DRO 3350A/8015A	Sample Specific Notes:
MMRP 06 - IS24	5-23-07	1430	soil			X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06 - IS25		1500	soil			X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06 - IS26		1530	soil			X	X	X	X	X	X	X	X	X	X	X	X	
MMRP 06 - TW04	5-22-07	1552	water			X	X	X	X	X	X	X	X	X	X	X		* No TPH-DRO for ground
MMRP 06 - TW06	5-22-07	1600	water			X	X	X	X	X	X	X	X	X	X	X		water samples TW04 and
MMRP 06 - TWFD1	5-22-07	~	water									X						TW06
MMRP 06 - Trip Blank 1	↓	~	water									X						
MMRP																		
MMRP																		
MMRP																		
MMRP																		
MMRP																		
MMRP																		
MMRP																		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ■ *Unknown*

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 & Comments: All sample containers have abreviated sample ID's. For example soil sample container labeled "01" from site UXO-05 has a true ID of "MMRP05-IS01", as indicated on the COC. Ground water sample container labeled "TW16" from site UXO-06 has a true ID of "MMRP06-TW16". Please report all samples with the true ID.**

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
David Shrauly	ARCADIS	5-23-07 1700			
FEDEX	FEDEX	5-24-07 0930		FEDEX	5-24-07 0930

For 1.6, 2.3, 1.8, 1.4, 2.0, 1.5

Sample Receipt Checklist

Client: Arcadis Cooler Inspected by/date: SLH 15/24/07 Lot #: DE 24017

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

Yes ☐	No ☑	NA ☐	1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?

Cooler temperature upon receipt 1.6 °C 2.3 °C 1.8 °C 1.6 °C 2.0 °C
Method: ☑ Temperature Blank ☐ Against Bottles 1.5
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 13,14,15), an explanation/resolution must be provided.

Yes ☑	No ☐	NA ☐	3. Is the commercial courier's packing slip attached to this form?
Yes ☐	No ☑	NA ☐	4. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐	NA ☐	5. Were sample IDs listed?
Yes ☐	No ☑	NA ☐	6. Was collection date & time listed? for MMRP06 - Dup-1 & Dup-2 & 06 TWPD
Yes ☑	No ☐	NA ☐	7. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	8. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐	NA ☐	9. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐	NA ☐	10. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐	NA ☐	11. Was adequate sample volume available?
Yes ☑	No ☐	NA ☐	12. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑	NA ☐	13. Were any samples containers missing?
Yes ☐	No ☑	NA ☐	14. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	15. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☑	No ☐	NA ☐	16. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☑	No ☐	NA ☐	17. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☑	No ☐	NA ☐	18. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	19. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving.

Sample(s)_____ were received with bubbles >6 mm in diameter.

Sample(s)_____ were received with TRC >0.2 mg/L for NH3/ TKN/cyanide/BNA/pest/PCB/herb.

Toxicity sample(s)_____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee:_____ Date of response: _____

Comments: Trip Blank (aqueous) date & time of collection was taken fr. vials.

Subcontracted Data

CompuChem

a division of Liberty Analytical Corp.

08-Jun-07

LORIE CARLISLE
ARCADIS
801 CORPORATE CENTER DRIVE
SUITE 300
RALEIGH, NC 27607

Subject:
Report of Data-Project: CAMP LEJUENE Workorder: 13077

Attn.: LORIE CARLISLE

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem
A Division of Liberty Analytical

Attachment

TOTAL NUMBER

OF PAGES_____

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Hsn	Client ID	Wordorder	Matrix	Account	Project	Report
1307701	MMRP06-IS12	13077	S	SHEALY	CAMP LEJUENE	
1307702	MMRP06-IS13	13077	S	SHEALY	CAMP LEJUENE	
1307703	MMRP06-IS14	13077	S	SHEALY	CAMP LEJUENE	
1307704	MMRP06-IS15	13077	S	SHEALY	CAMP LEJUENE	
1307705	MMRP06-IS16	13077	S	SHEALY	CAMP LEJUENE	
1307706	MMRP06-IS17	13077	S	SHEALY	CAMP LEJUENE	
1307707	MMRP06-IS18	13077	S	SHEALY	CAMP LEJUENE	
1307708	MMRP06-IS19	13077	S	SHEALY	CAMP LEJUENE	
1307709	MMRP06-IS20	13077	S	SHEALY	CAMP LEJUENE	
1307710	MMRP06-IS21	13077	S	SHEALY	CAMP LEJUENE	
1307711	MMRP06-IS22	13077	S	SHEALY	CAMP LEJUENE	
1307712	MMRP06-IS23	13077	S	SHEALY	CAMP LEJUENE	
1307713	MMRP06-IS24	13077	S	SHEALY	CAMP LEJUENE	
1307714	MMRP06-IS25	13077	S	SHEALY	CAMP LEJUENE	
1307715	MMRP06-IS26	13077	S	SHEALY	CAMP LEJUENE	

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG #13077
PROTOCOL: SW-846 8330

SAMPLE IDENTIFICATIONS: MMRP06-IS12, MMRP06-IS13, MMRP06-IS14, MMRP06-IS15, MMRP06-IS16, MMRP06-IS17, MMRP06-IS18, MMRP06-IS19, MMRP06-IS20, MMRP06-IS21, MMRP06-IS22, MMRP06-IS23, MMRP06-IS24, MMRP06-IS25, MMRP06-IS26

The fifteen soil samples listed above were scheduled for the requested analyses of the explosives fraction. Method 8330 was used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. This portion of the SDG narrative deals with the explosives analysis only. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG #13077 are included in the sample data sections.

Explosives

Extraction and analysis holding time requirements were met for the sample. The peaks for Tetryl and Nitrobenze for the LCS and LCSD are outside of the retention window on the primary column due to a software error. The peaks are integrated together since separation did not occur in the Ical. The retention time window is set by the taller of the two peaks, which is shifting from the right to the left peak.

No target analytes confirmed above the Quantitation Limit (QL) in the samples.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the surrogates met recovery and retention time criteria.

The associated method blank met all quality control criteria.

Duplicate matrix spikes (MS/MSD) were not performed with this SDG. The associated Laboratory Control Samples (LCS/LCSD) prepared and analyzed along with the samples met all recovery and precision criteria, with the exception of Tetryl. In the DoD – QSM, Tetryl is listed as a poor performing analyte, the recovery is within the lowers marginal exceedance limits. The LCS/LCSD is reported from the confirmation column (Pinnacle Cyano) due to the co-elution of Tetryl and Nitrobenzene on the primary column (C18).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Teresa Amentt Jennings

Teresa Amentt Jennings
GC/HPLC Supervisor
June 8, 2007

2

SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76058

Client	Report to Contact: Paul K. Riley	Telephone No. / Fax No. / E-mail: 803 791 9700	Quote No.
Address	Sampler's Signature	Waybill No.	Page 1 of 2
City / State / Zip Code	X Printed Name	Analysis (Attach list if more space is needed.)	
Project Name			
Project No. / P.O. No.			Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	5035 Kit	Perchlorate	Explosives	Remarks / Cooler I.D.
DE 24017-001	5/23/07	0800			1								✓	✓	1307701
-002		0830			1								✓	✓	1307702
-003		0900			1								✓	✓	1307703
-004		0930			1								✓	✓	1307704
-005		0940			1								✓	✓	1307705
-006		1000			1								✓	✓	1307706
-007		1030			1								✓	✓	1307707
-008		1100			1								✓	✓	1307708
-009		1130			1								✓	✓	1307709
-010		1315			1								✓	✓	1307710

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☑ Standard ☐ Rush (Specify)

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: [signature]	5/24/07	1730	1. Received by: FEDEX	5/24/07	1730
2. Relinquished by			2. Received by: Jennifer Doren	5/25/07	9:15
3. Relinquished by			3. Laboratory received by		

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack

Receipt Temp. 2.1 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

3

SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76059

Client	Report to Contact: Paul K. Biery	Telephone No. / Fax No. / E-mail	Quote No.
Address	Sampler's Signature	Waybill No.	Page 2 of 2
City / State / Zip Code	X _____ Printed Name	Analysis (Attach list if more space is needed.)	
Project Name			
Project No. / P.O. No.			Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	5035 KI	Explosives (Analytical)					Remarks / Cooler I.D.
FE24017-011	5/23/07	1345			✓		1						✓	✓				1307711
-012		1410			✓		1						✓	✓				1307712
-015		1430			✓		1						✓	✓				1307713
-016		1500			✓		1						✓	✓				1307714
-017		1520			✓		1						✓	✓				1307715
-018		1552		✓			3						✓	✓				1307801
-019		1600		✓			3						✓	✓				1307802

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☐ Standard ☐ Rush (Specify)

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by [signature]	5/24/07	1730	1. Received by FEDEX	5-24-07	1730
2. Relinquished by			2. Received by Jennifer Dover	5/25/07	9:15
3. Relinquished by			3. Laboratory received by		

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack

Receipt Temp. 2.1 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

4

CompuChem

a division of Liberty Analytical Corp.

WORKORDER SUMMARY REPORT

Workorder: 13077 **Account:** SHEALY **Project:** CAMP LEJUENE
SDG-Case: CAMP **Status:** CLOSED **QC Type:** REPORT LCS/LCSD
Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1307701	MMRP06-IS12	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307702	MMRP06-IS13	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307703	MMRP06-IS14	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307704	MMRP06-IS15	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307705	MMRP06-IS16	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307706	MMRP06-IS17	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			

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CompuChem

a division of Liberty Analytical Corp.

WORKORDER SUMMARY REPORT

Workorder: 13077 **Account:** SHEALY **Project:** CAMP LEJUENE
SDG-Case: CAMP **Status:** CLOSED **QC Type:** REPORT LCS/LCSD
Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307707	MMRP06-IS18	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307708	MMRP06-IS19	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307709	MMRP06-IS20	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307710	MMRP06-IS21	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307711	MMRP06-IS22	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307712	MMRP06-IS23	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			

CompuChem

a division of Liberty Analytical Corp.

WORKORDER SUMMARY REPORT

Workorder: 13077 **Account:** SHEALY **Project:** CAMP LEJUENE
SDG-Case: CAMP **Status:** CLOSED **QC Type:** REPORT LCS/LCSD
Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307713	MMRP06-IS24	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307714	MMRP06-IS25	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1307715	MMRP06-IS26	5/23/2007	5/25/2007	6/5/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS12

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 1307701

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS13

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 1307702

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS14

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 1307703

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS15

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 1307704

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS16

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 1307705

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS17

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 1307706

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS18

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 1307707

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS19

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 1307708

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS20

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 1307709

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS21

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 1307710

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS22

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13077

Matrix: (soil/water) SOIL Lab Sample ID: 1307711

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/25/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/29/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/08/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

ARCADIS U.S., Inc.
801 Corporate Center Drive
Suite 300
Raleigh, NC 27607
Attention: Lorie Carlisle

Project Name: **ONWASA**

Lot Number: **IE25018**
Date Completed: **06/13/2007**

Paul Kim Biery
Project Manager

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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
ARCADIS U.S., Inc.
Lot Number: IE25018

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Inorganic Non-metals
The MS/MSD associated with sample -001 had TOC recover outside of the acceptance limits. The LCS/LCSD associated with this batch had TOC recover within the required acceptance limits, therefore no corrective action was required.

GC/MS Volatiles
An unknown hydrocarbon pattern was associated with sample -005.

The LCSD associated with batch 58433 shows several compounds outside of the acceptance limits. The five compounds required for spiking, as outlined in SW846 5030B, all passed within the required recovery limits. The compounds that were outside of the recovery limits in this batch either failed marginally, or are demonstrated poor performers. There were no detections for any of these compounds in the samples associated with this batch.

Metals
The MS associated with sample -005 had aluminum and antimony recover outside of the acceptance limits. The LCS/LCSD associated with this batch had aluminum and antimony recover within the required acceptance limits, therefore no corrective action was required.

Sample Summary
ARCADIS U.S., Inc.
Lot Number: IE25018

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MMRP06-IS27	Solid	05/24/2007 0745	05/25/2007
002	MMRP06-IS28	Solid	05/24/2007 0810	05/25/2007
003	MMRP06-IS29	Solid	05/24/2007 0840	05/25/2007
004	MMRP06-IS30	Solid	05/24/2007 0910	05/25/2007
005	MMRP06-IS31	Solid	05/24/2007 0940	05/25/2007
006	MMRP06-IS32	Solid	05/24/2007 1010	05/25/2007
007	MMRP06-IS33	Solid	05/24/2007 1040	05/25/2007
008	MMRP06-IS34	Solid	05/24/2007 1110	05/25/2007
009	MMRP06-IS35	Solid	05/24/2007 1140	05/25/2007
010	MMRP06-IS36	Solid	05/24/2007 1330	05/25/2007
011	MMRP06-IS37	Solid	05/24/2007 1400	05/25/2007
012	MMRP06-IS38	Solid	05/24/2007 1420	05/25/2007
013	MMRP06-IS39	Solid	05/24/2007 1500	05/25/2007
014	MMRP06-DUP3	Solid	05/24/2007	05/25/2007
015	MMRP06-DUP4	Solid	05/24/2007	05/25/2007

(15 samples)

Executive Summary
ARCADIS U.S., Inc.
Lot Number: IE25018

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MMRP06-IS27	Solid	TOC	Walkley-Black	3400		mg/kg	8
001	MMRP06-IS27	Solid	Aluminum	6010B	15000		mg/kg	17
001	MMRP06-IS27	Solid	Arsenic	6010B	0.67		mg/kg	17
001	MMRP06-IS27	Solid	Barium	6010B	21		mg/kg	17
001	MMRP06-IS27	Solid	Chromium	6010B	15		mg/kg	17
001	MMRP06-IS27	Solid	Copper	6010B	2.3		mg/kg	17
001	MMRP06-IS27	Solid	Iron	6010B	3400		mg/kg	17
001	MMRP06-IS27	Solid	Lead	6010B	5.2		mg/kg	17
001	MMRP06-IS27	Solid	Magnesium	6010B	590		mg/kg	17
001	MMRP06-IS27	Solid	Manganese	6010B	12		mg/kg	17
001	MMRP06-IS27	Solid	Nickel	6010B	2.7		mg/kg	17
001	MMRP06-IS27	Solid	Potassium	6010B	780		mg/kg	17
001	MMRP06-IS27	Solid	Sodium	6010B	550		mg/kg	17
001	MMRP06-IS27	Solid	Vanadium	6010B	19		mg/kg	17
001	MMRP06-IS27	Solid	Zinc	6010B	24		mg/kg	17
002	MMRP06-IS28	Solid	TOC	Walkley-Black	1400		mg/kg	18
002	MMRP06-IS28	Solid	Aluminum	6010B	3300		mg/kg	27
002	MMRP06-IS28	Solid	Arsenic	6010B	0.67		mg/kg	27
002	MMRP06-IS28	Solid	Barium	6010B	7.2		mg/kg	27
002	MMRP06-IS28	Solid	Chromium	6010B	4.4		mg/kg	27
002	MMRP06-IS28	Solid	Copper	6010B	1.2		mg/kg	27
002	MMRP06-IS28	Solid	Iron	6010B	1600		mg/kg	27
002	MMRP06-IS28	Solid	Lead	6010B	4.6		mg/kg	27
002	MMRP06-IS28	Solid	Manganese	6010B	13		mg/kg	27
002	MMRP06-IS28	Solid	Vanadium	6010B	5.0		mg/kg	27
002	MMRP06-IS28	Solid	Zinc	6010B	11		mg/kg	27
003	MMRP06-IS29	Solid	Aluminum	6010B	17000		mg/kg	37
003	MMRP06-IS29	Solid	Arsenic	6010B	0.97		mg/kg	37
003	MMRP06-IS29	Solid	Barium	6010B	19		mg/kg	37
003	MMRP06-IS29	Solid	Chromium	6010B	16		mg/kg	37
003	MMRP06-IS29	Solid	Copper	6010B	2.7		mg/kg	37
003	MMRP06-IS29	Solid	Iron	6010B	3500		mg/kg	37
003	MMRP06-IS29	Solid	Lead	6010B	5.7		mg/kg	37
003	MMRP06-IS29	Solid	Magnesium	6010B	620		mg/kg	37
003	MMRP06-IS29	Solid	Manganese	6010B	12		mg/kg	37
003	MMRP06-IS29	Solid	Nickel	6010B	3.7		mg/kg	37
003	MMRP06-IS29	Solid	Potassium	6010B	850		mg/kg	37
003	MMRP06-IS29	Solid	Sodium	6010B	590		mg/kg	37
003	MMRP06-IS29	Solid	Vanadium	6010B	17		mg/kg	37
003	MMRP06-IS29	Solid	Zinc	6010B	44		mg/kg	37
004	MMRP06-IS30	Solid	Aluminum	6010B	7300		mg/kg	47
004	MMRP06-IS30	Solid	Barium	6010B	9.2		mg/kg	47
004	MMRP06-IS30	Solid	Chromium	6010B	7.4		mg/kg	47
004	MMRP06-IS30	Solid	Copper	6010B	1.0		mg/kg	47
004	MMRP06-IS30	Solid	Iron	6010B	2000		mg/kg	47

Executive Summary (Continued)

Lot Number: IE25018

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
004	MMRP06-IS30	Solid	Lead	6010B	4.4		mg/kg	47
004	MMRP06-IS30	Solid	Manganese	6010B	9.8		mg/kg	47
004	MMRP06-IS30	Solid	Potassium	6010B	330		mg/kg	47
004	MMRP06-IS30	Solid	Vanadium	6010B	8.0		mg/kg	47
004	MMRP06-IS30	Solid	Zinc	6010B	15		mg/kg	47
005	MMRP06-IS31	Solid	TPH-DRO	8015B	9500		ug/kg	55
005	MMRP06-IS31	Solid	Aluminum	6010B	12000		mg/kg	57
005	MMRP06-IS31	Solid	Barium	6010B	14		mg/kg	57
005	MMRP06-IS31	Solid	Chromium	6010B	12		mg/kg	57
005	MMRP06-IS31	Solid	Copper	6010B	1.7		mg/kg	57
005	MMRP06-IS31	Solid	Iron	6010B	2800		mg/kg	57
005	MMRP06-IS31	Solid	Lead	6010B	4.5		mg/kg	57
005	MMRP06-IS31	Solid	Magnesium	6010B	470		mg/kg	57
005	MMRP06-IS31	Solid	Manganese	6010B	11		mg/kg	57
005	MMRP06-IS31	Solid	Nickel	6010B	2.8		mg/kg	57
005	MMRP06-IS31	Solid	Potassium	6010B	530		mg/kg	57
005	MMRP06-IS31	Solid	Sodium	6010B	440		mg/kg	57
005	MMRP06-IS31	Solid	Vanadium	6010B	12		mg/kg	57
005	MMRP06-IS31	Solid	Zinc	6010B	31		mg/kg	57
006	MMRP06-IS32	Solid	TOC	Walkley-Black	1000		mg/kg	58
006	MMRP06-IS32	Solid	Aluminum	6010B	5200		mg/kg	67
006	MMRP06-IS32	Solid	Arsenic	6010B	0.83		mg/kg	67
006	MMRP06-IS32	Solid	Barium	6010B	15		mg/kg	67
006	MMRP06-IS32	Solid	Chromium	6010B	5.8		mg/kg	67
006	MMRP06-IS32	Solid	Copper	6010B	1.0		mg/kg	67
006	MMRP06-IS32	Solid	Iron	6010B	1600		mg/kg	67
006	MMRP06-IS32	Solid	Lead	6010B	4.4		mg/kg	67
006	MMRP06-IS32	Solid	Manganese	6010B	21		mg/kg	67
006	MMRP06-IS32	Solid	Vanadium	6010B	6.4		mg/kg	67
006	MMRP06-IS32	Solid	Zinc	6010B	30		mg/kg	67
007	MMRP06-IS33	Solid	TOC	Walkley-Black	2400		mg/kg	68
007	MMRP06-IS33	Solid	Aluminum	6010B	23000		mg/kg	77
007	MMRP06-IS33	Solid	Arsenic	6010B	1.2		mg/kg	77
007	MMRP06-IS33	Solid	Barium	6010B	26		mg/kg	77
007	MMRP06-IS33	Solid	Calcium	6010B	9000		mg/kg	77
007	MMRP06-IS33	Solid	Chromium	6010B	26		mg/kg	77
007	MMRP06-IS33	Solid	Cobalt	6010B	2.0		mg/kg	77
007	MMRP06-IS33	Solid	Copper	6010B	2.0		mg/kg	77
007	MMRP06-IS33	Solid	Iron	6010B	5700		mg/kg	77
007	MMRP06-IS33	Solid	Lead	6010B	7.8		mg/kg	77
007	MMRP06-IS33	Solid	Magnesium	6010B	990		mg/kg	77
007	MMRP06-IS33	Solid	Manganese	6010B	30		mg/kg	77
007	MMRP06-IS33	Solid	Nickel	6010B	6.0		mg/kg	77
007	MMRP06-IS33	Solid	Potassium	6010B	990		mg/kg	77
007	MMRP06-IS33	Solid	Sodium	6010B	770		mg/kg	77
007	MMRP06-IS33	Solid	Vanadium	6010B	30		mg/kg	77
007	MMRP06-IS33	Solid	Zinc	6010B	36		mg/kg	77
008	MMRP06-IS34	Solid	TOC	Walkley-Black	750		mg/kg	78

Executive Summary (Continued)

Lot Number: IE25018

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
008	MMRP06-IS34	Solid	Acetone	8260B	48		ug/kg	79
008	MMRP06-IS34	Solid	Endrin ketone	8081A	1.8		ug/kg	84
008	MMRP06-IS34	Solid	Aluminum	6010B	13000		mg/kg	87
008	MMRP06-IS34	Solid	Arsenic	6010B	1.2		mg/kg	87
008	MMRP06-IS34	Solid	Barium	6010B	31		mg/kg	87
008	MMRP06-IS34	Solid	Calcium	6010B	1100		mg/kg	87
008	MMRP06-IS34	Solid	Chromium	6010B	13		mg/kg	87
008	MMRP06-IS34	Solid	Copper	6010B	1.9		mg/kg	87
008	MMRP06-IS34	Solid	Iron	6010B	4300		mg/kg	87
008	MMRP06-IS34	Solid	Lead	6010B	5.0		mg/kg	87
008	MMRP06-IS34	Solid	Magnesium	6010B	520		mg/kg	87
008	MMRP06-IS34	Solid	Manganese	6010B	19		mg/kg	87
008	MMRP06-IS34	Solid	Nickel	6010B	3.6		mg/kg	87
008	MMRP06-IS34	Solid	Potassium	6010B	490		mg/kg	87
008	MMRP06-IS34	Solid	Sodium	6010B	610		mg/kg	87
008	MMRP06-IS34	Solid	Vanadium	6010B	16		mg/kg	87
008	MMRP06-IS34	Solid	Zinc	6010B	21		mg/kg	87
009	MMRP06-IS35	Solid	Acetone	8260B	25		ug/kg	89
009	MMRP06-IS35	Solid	Aluminum	6010B	17000		mg/kg	97
009	MMRP06-IS35	Solid	Arsenic	6010B	2.3		mg/kg	97
009	MMRP06-IS35	Solid	Barium	6010B	26		mg/kg	97
009	MMRP06-IS35	Solid	Chromium	6010B	16		mg/kg	97
009	MMRP06-IS35	Solid	Copper	6010B	2.7		mg/kg	97
009	MMRP06-IS35	Solid	Iron	6010B	8000		mg/kg	97
009	MMRP06-IS35	Solid	Lead	6010B	5.8		mg/kg	97
009	MMRP06-IS35	Solid	Magnesium	6010B	610		mg/kg	97
009	MMRP06-IS35	Solid	Manganese	6010B	15		mg/kg	97
009	MMRP06-IS35	Solid	Sodium	6010B	950		mg/kg	97
009	MMRP06-IS35	Solid	Vanadium	6010B	21		mg/kg	97
009	MMRP06-IS35	Solid	Zinc	6010B	11		mg/kg	97
010	MMRP06-IS36	Solid	TOC	Walkley-Black	380		mg/kg	98
010	MMRP06-IS36	Solid	Aluminum	6010B	19000		mg/kg	107
010	MMRP06-IS36	Solid	Arsenic	6010B	0.82		mg/kg	107
010	MMRP06-IS36	Solid	Barium	6010B	36		mg/kg	107
010	MMRP06-IS36	Solid	Calcium	6010B	340		mg/kg	107
010	MMRP06-IS36	Solid	Chromium	6010B	15		mg/kg	107
010	MMRP06-IS36	Solid	Cobalt	6010B	1.9		mg/kg	107
010	MMRP06-IS36	Solid	Copper	6010B	2.4		mg/kg	107
010	MMRP06-IS36	Solid	Iron	6010B	4000		mg/kg	107
010	MMRP06-IS36	Solid	Lead	6010B	7.5		mg/kg	107
010	MMRP06-IS36	Solid	Magnesium	6010B	640		mg/kg	107
010	MMRP06-IS36	Solid	Manganese	6010B	12		mg/kg	107
010	MMRP06-IS36	Solid	Nickel	6010B	6.7		mg/kg	107
010	MMRP06-IS36	Solid	Potassium	6010B	690		mg/kg	107
010	MMRP06-IS36	Solid	Sodium	6010B	480		mg/kg	107
010	MMRP06-IS36	Solid	Vanadium	6010B	14		mg/kg	107
010	MMRP06-IS36	Solid	Zinc	6010B	8.4		mg/kg	107
011	MMRP06-IS37	Solid	TOC	Walkley-Black	620		mg/kg	108

Executive Summary (Continued)

Lot Number: IE25018

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
011	MMRP06-IS37	Solid	Aluminum	6010B	12000		mg/kg	117
011	MMRP06-IS37	Solid	Arsenic	6010B	1.8		mg/kg	117
011	MMRP06-IS37	Solid	Barium	6010B	18		mg/kg	117
011	MMRP06-IS37	Solid	Calcium	6010B	7000		mg/kg	117
011	MMRP06-IS37	Solid	Chromium	6010B	16		mg/kg	117
011	MMRP06-IS37	Solid	Copper	6010B	2.4		mg/kg	117
011	MMRP06-IS37	Solid	Iron	6010B	5000		mg/kg	117
011	MMRP06-IS37	Solid	Lead	6010B	4.6		mg/kg	117
011	MMRP06-IS37	Solid	Magnesium	6010B	610		mg/kg	117
011	MMRP06-IS37	Solid	Manganese	6010B	24		mg/kg	117
011	MMRP06-IS37	Solid	Nickel	6010B	4.1		mg/kg	117
011	MMRP06-IS37	Solid	Potassium	6010B	640		mg/kg	117
011	MMRP06-IS37	Solid	Sodium	6010B	770		mg/kg	117
011	MMRP06-IS37	Solid	Vanadium	6010B	17		mg/kg	117
011	MMRP06-IS37	Solid	Zinc	6010B	45		mg/kg	117
012	MMRP06-IS38	Solid	TOC	Walkley-Black	1400		mg/kg	118
012	MMRP06-IS38	Solid	Acetone	8260B	95		ug/kg	119
012	MMRP06-IS38	Solid	Aluminum	6010B	11000		mg/kg	127
012	MMRP06-IS38	Solid	Arsenic	6010B	1.2		mg/kg	127
012	MMRP06-IS38	Solid	Barium	6010B	15		mg/kg	127
012	MMRP06-IS38	Solid	Chromium	6010B	11		mg/kg	127
012	MMRP06-IS38	Solid	Copper	6010B	1.6		mg/kg	127
012	MMRP06-IS38	Solid	Iron	6010B	3300		mg/kg	127
012	MMRP06-IS38	Solid	Lead	6010B	4.0		mg/kg	127
012	MMRP06-IS38	Solid	Magnesium	6010B	410		mg/kg	127
012	MMRP06-IS38	Solid	Manganese	6010B	11		mg/kg	127
012	MMRP06-IS38	Solid	Potassium	6010B	660		mg/kg	127
012	MMRP06-IS38	Solid	Sodium	6010B	550		mg/kg	127
012	MMRP06-IS38	Solid	Vanadium	6010B	12		mg/kg	127
012	MMRP06-IS38	Solid	Zinc	6010B	34		mg/kg	127
013	MMRP06-IS39	Solid	Aluminum	6010B	9900		mg/kg	137
013	MMRP06-IS39	Solid	Arsenic	6010B	0.67		mg/kg	137
013	MMRP06-IS39	Solid	Barium	6010B	10		mg/kg	137
013	MMRP06-IS39	Solid	Chromium	6010B	9.8		mg/kg	137
013	MMRP06-IS39	Solid	Copper	6010B	1.4		mg/kg	137
013	MMRP06-IS39	Solid	Iron	6010B	1900		mg/kg	137
013	MMRP06-IS39	Solid	Lead	6010B	5.2		mg/kg	137
013	MMRP06-IS39	Solid	Magnesium	6010B	320		mg/kg	137
013	MMRP06-IS39	Solid	Manganese	6010B	14		mg/kg	137
013	MMRP06-IS39	Solid	Potassium	6010B	450		mg/kg	137
013	MMRP06-IS39	Solid	Sodium	6010B	330		mg/kg	137
013	MMRP06-IS39	Solid	Vanadium	6010B	11		mg/kg	137
013	MMRP06-IS39	Solid	Zinc	6010B	35		mg/kg	137

(184 detections)

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS27**
Date Sampled: **05/24/2007 0745**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-001**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0848	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/28/2007 1600	KLW		58476

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.57	mg/kg	1
TOC		**Walkley-Black**	**3400**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS27**
Date Sampled: **05/24/2007 0745**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-001**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0334	CMS		58433	5.43

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		21	ug/kg	1
Benzene	71-43-2	8260B	ND		5.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.3	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.3	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.3	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.3	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.3	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.3	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.3	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.3	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.3	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.3	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.3	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.3	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.3	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.3	ug/kg	1
Styrene	100-42-5	8260B	ND		5.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.3	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.3	ug/kg	1
Toluene	108-88-3	8260B	ND		5.3	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.3	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.3	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.3	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.3	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS27**
Date Sampled: **05/24/2007 0745**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-001**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0334	CMS		58433	5.43

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		5.3	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		101	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS27**
Date Sampled: **05/24/2007 0745**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-001**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1543	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	ug/kg	1
Acetophenone	98-86-2	8270C	ND		380	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	ug/kg	1
Atrazine	1912-24-9	8270C	ND		380	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		950	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		380	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	ug/kg	1
Caprolactam	105-60-2	8270C	ND		950	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		950	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		950	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		950	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		950	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS27**
Date Sampled: **05/24/2007 0745**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-001**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1543	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		380	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		380	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		770	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		380	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		950	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		950	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	ug/kg	1
Phenol	108-95-2	8270C	ND		380	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		89	30-117
2-Fluorobiphenyl		76	33-102
2-Fluorophenol		84	28-104
Nitrobenzene-d5		76	22-109
Phenol-d5		86	27-103
Terphenyl-d14		88	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS27**
Date Sampled: **05/24/2007 0745**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-001**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	06/01/2007 1959	NWD	05/29/2007 1356	58346

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		92	50-130
Tetrachloro-m-xylene		69	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS27**
Date Sampled: **05/24/2007 0745**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-001**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/05/2007 0015	LH	05/29/2007 1356	58347

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		1.9	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		1.9	ug/kg	1
beta-BHC	319-85-7	8081A	ND		1.9	ug/kg	1
delta-BHC	319-86-8	8081A	ND		1.9	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		1.9	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		1.9	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		1.9	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		1.9	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		1.9	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		1.9	ug/kg	1
Dieldrin	60-57-1	8081A	ND		1.9	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		1.9	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		1.9	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		1.9	ug/kg	1
Endrin	72-20-8	8081A	ND		1.9	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		1.9	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		1.9	ug/kg	1
Heptachlor	76-44-8	8081A	ND		1.9	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		1.9	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.7	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		95	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		80	50-130
Tetrachloro-m-xylene		71	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS27**
Date Sampled: **05/24/2007 0745**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-001**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 1521	NCM	05/30/2007 0945	58430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		7700	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		94	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS27**
Date Sampled: **05/24/2007 0745**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-001**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 2232	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5700	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		73	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS27**
Date Sampled: **05/24/2007 0745**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-001**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/29/2007 2334	FLW	05/29/2007 1858	58403
1	3050B	6010B	1	06/06/2007 1925	MNM	05/31/2007 1631	58579
2	3050B	6010B	1	06/07/2007 1923	KJC	05/31/2007 1631	58579

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**15000**		**11**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.57	mg/kg	2
Arsenic	**7440-38-2**	**6010B**	**0.67**		**0.57**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**21**		**1.5**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.23	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.11	mg/kg	1
Calcium	7440-70-2	6010B	ND		290	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**15**		**0.29**	**mg/kg**	**2**
Cobalt	7440-48-4	6010B	ND		1.5	mg/kg	1
Copper	**7440-50-8**	**6010B**	**2.3**		**0.29**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**3400**		**5.7**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**5.2**		**0.57**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**590**		**290**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**12**		**0.86**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.095	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**2.7**		**2.3**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**780**		**290**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.57	mg/kg	1
Silver	7440-22-4	6010B	ND		0.29	mg/kg	1
Sodium	**7440-23-5**	**6010B**	**550**		**290**	**mg/kg**	**1**
Thallium	7440-28-0	6010B	ND		2.9	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**19**		**2.9**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**24**		**2.9**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE25018-002**
Description: **MMRP06-IS28**
Matrix: **Solid**
Date Sampled: **05/24/2007 0810**
% Solids: **74.3** **05/28/2007 0246**
Date Received: **05/25/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0852	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/28/2007 1600	KLW		58476

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.67	mg/kg	1
TOC		**Walkley-Black**	**1400**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS28**
Date Sampled: **05/24/2007 0810**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-002**
Matrix: **Solid**
% Solids: **74.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0356	CMS		58433	4.82

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		28	ug/kg	1
Benzene	71-43-2	8260B	ND		7.0	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		7.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		7.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		7.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		14	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		7.0	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		7.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		7.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		7.0	ug/kg	1
Chloroform	67-66-3	8260B	ND		7.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		7.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		7.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		7.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		7.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		7.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		7.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		7.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		7.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		7.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		7.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		7.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		7.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		7.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		7.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		7.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		7.0	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		7.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		7.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		14	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		7.0	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		7.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		7.0	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		14	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		7.0	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		7.0	ug/kg	1
Styrene	100-42-5	8260B	ND		7.0	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		7.0	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		7.0	ug/kg	1
Toluene	108-88-3	8260B	ND		7.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		7.0	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		7.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		7.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		7.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		7.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		7.0	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS28**
Date Sampled: **05/24/2007 0810**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-002**
Matrix: **Solid**
% Solids: **74.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0356	CMS		58433	4.82

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		7.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		7.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		98	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		103	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS28**
Date Sampled: **05/24/2007 0810**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-002**
Matrix: **Solid**
% Solids: **74.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1648	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		440	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		440	ug/kg	1
Acetophenone	98-86-2	8270C	ND		440	ug/kg	1
Anthracene	120-12-7	8270C	ND		440	ug/kg	1
Atrazine	1912-24-9	8270C	ND		440	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1100	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		440	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		440	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		440	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		440	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		440	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		440	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		440	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		440	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1100	ug/kg	1
Carbazole	86-74-8	8270C	ND		440	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		440	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		440	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		440	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		440	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		440	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		440	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		440	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		440	ug/kg	1
Chrysene	218-01-9	8270C	ND		440	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		440	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		440	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		440	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		440	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1100	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		440	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		440	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		440	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		440	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1100	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1100	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		440	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		440	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		440	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		440	ug/kg	1
Fluorene	86-73-7	8270C	ND		440	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		440	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		440	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1100	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		440	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		440	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS28**
Date Sampled: **05/24/2007 0810**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-002**
Matrix: **Solid**
% Solids: **74.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1648	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		440	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		440	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		440	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		900	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		440	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		440	ug/kg	1
Naphthalene	91-20-3	8270C	ND		440	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		440	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		440	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		440	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		440	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		440	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1100	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1100	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		440	ug/kg	1
Phenol	108-95-2	8270C	ND		440	ug/kg	1
Pyrene	129-00-0	8270C	ND		440	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		440	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		440	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		79	30-117
2-Fluorobiphenyl		71	33-102
2-Fluorophenol		79	28-104
Nitrobenzene-d5		60	22-109
Phenol-d5		71	27-103
Terphenyl-d14		82	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS28**
Date Sampled: **05/24/2007 0810**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-002**
Matrix: **Solid**
% Solids: **74.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	06/01/2007 2016	NWD	05/29/2007 1356	58346

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		23	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		23	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		23	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		23	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		23	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		23	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		23	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		102	50-130
Tetrachloro-m-xylene		72	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS28**
Date Sampled: **05/24/2007 0810**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-002**
Matrix: **Solid**
% Solids: **74.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/05/2007 0030	LH	05/29/2007 1356	58347

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.3	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.3	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.3	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.3	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.3	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.3	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.3	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.3	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.3	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.3	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.3	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.3	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.3	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.3	ug/kg	1
Endrin	72-20-8	8081A	ND		2.3	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.3	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.3	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.3	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.3	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		9.0	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		110	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		90	50-130
Tetrachloro-m-xylene		73	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS28**
Date Sampled: **05/24/2007 0810**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-002**
Matrix: **Solid**
% Solids: **74.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 1547	NCM	05/30/2007 0945	58430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		9000	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		86	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS28**
Date Sampled: **05/24/2007 0810**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-002**
Matrix: **Solid**
% Solids: **74.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 2257	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		6800	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		73	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS28**
Date Sampled: **05/24/2007 0810**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-002**
Matrix: **Solid**
% Solids: **74.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/29/2007 2335	FLW	05/29/2007 1858	58403
1	3050B	6010B	1	06/06/2007 1931	MNM	05/31/2007 1631	58579
2	3050B	6010B	1	06/07/2007 1930	KJC	05/31/2007 1631	58579

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**3300**		**13**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.67	mg/kg	2
Arsenic	**7440-38-2**	**6010B**	**0.67**		**0.67**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**7.2**		**1.7**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.27	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.13	mg/kg	1
Calcium	7440-70-2	6010B	ND		340	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**4.4**		**0.34**	**mg/kg**	**2**
Cobalt	7440-48-4	6010B	ND		1.7	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.2**		**0.34**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**1600**		**6.7**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**4.6**		**0.67**	**mg/kg**	**1**
Magnesium	7439-95-4	6010B	ND		340	mg/kg	1
Manganese	**7439-96-5**	**6010B**	**13**		**1.0**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.11	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.7	mg/kg	1
Potassium	7440-09-7	6010B	ND		340	mg/kg	1
Selenium	7782-49-2	6010B	ND		0.67	mg/kg	1
Silver	7440-22-4	6010B	ND		0.34	mg/kg	1
Sodium	7440-23-5	6010B	ND		340	mg/kg	1
Thallium	7440-28-0	6010B	ND		3.4	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**5.0**		**3.4**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**11**		**3.4**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS29**
Date Sampled: **05/24/2007 0840**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-003**
Matrix: **Solid**
% Solids: **76.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0853	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/28/2007 1600	KLW		58476

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.66	mg/kg	1
TOC		Walkley-Black	ND		200	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS29**
Date Sampled: **05/24/2007 0840**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-003**
Matrix: **Solid**
% Solids: **76.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0417	CMS		58433	4.89

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		27	ug/kg	1
Benzene	71-43-2	8260B	ND		6.7	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.7	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.7	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.7	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.7	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.7	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.7	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.7	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.7	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.7	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.7	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.7	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.7	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.7	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.7	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.7	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.7	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.7	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.7	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.7	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.7	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.7	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.7	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.7	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.7	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.7	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.7	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.7	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.7	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.7	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.7	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.7	ug/kg	1
Styrene	100-42-5	8260B	ND		6.7	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.7	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.7	ug/kg	1
Toluene	108-88-3	8260B	ND		6.7	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.7	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.7	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.7	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.7	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.7	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.7	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS29**
Date Sampled: **05/24/2007 0840**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-003**
Matrix: **Solid**
% Solids: **76.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0417	CMS		58433	4.89

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		6.7	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.7	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	53-142
Bromofluorobenzene		105	47-138
Toluene-d8		105	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS29**
Date Sampled: **05/24/2007 0840**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-003**
Matrix: **Solid**
% Solids: **76.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1709	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		430	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		430	ug/kg	1
Acetophenone	98-86-2	8270C	ND		430	ug/kg	1
Anthracene	120-12-7	8270C	ND		430	ug/kg	1
Atrazine	1912-24-9	8270C	ND		430	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1100	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		430	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		430	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		430	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		430	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		430	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		430	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		430	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		430	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1100	ug/kg	1
Carbazole	86-74-8	8270C	ND		430	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		430	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		430	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		430	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		430	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		430	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		430	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		430	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		430	ug/kg	1
Chrysene	218-01-9	8270C	ND		430	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		430	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		430	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		430	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		430	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1100	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		430	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		430	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		430	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		430	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1100	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1100	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		430	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		430	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		430	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		430	ug/kg	1
Fluorene	86-73-7	8270C	ND		430	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		430	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		430	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1100	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		430	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		430	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS29**
Date Sampled: **05/24/2007 0840**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-003**
Matrix: **Solid**
% Solids: **76.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1709	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		430	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		430	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		430	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		880	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		430	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		430	ug/kg	1
Naphthalene	91-20-3	8270C	ND		430	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		430	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		430	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		430	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		430	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		430	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1100	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1100	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		430	ug/kg	1
Phenol	108-95-2	8270C	ND		430	ug/kg	1
Pyrene	129-00-0	8270C	ND		430	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		430	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		430	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		74	30-117
2-Fluorobiphenyl		59	33-102
2-Fluorophenol		66	28-104
Nitrobenzene-d5		56	22-109
Phenol-d5		67	27-103
Terphenyl-d14		88	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS29**
Date Sampled: **05/24/2007 0840**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-003**
Matrix: **Solid**
% Solids: **76.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	06/01/2007 2033	NWD	05/29/2007 1356	58346

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		22	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		22	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		22	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		22	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		22	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		22	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		94	50-130
Tetrachloro-m-xylene		76	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS29**
Date Sampled: **05/24/2007 0840**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-003**
Matrix: **Solid**
% Solids: **76.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/05/2007 0046	LH	05/29/2007 1356	58347

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.2	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.2	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.2	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.2	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.2	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.2	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.2	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.2	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.2	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.2	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.2	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.2	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.2	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.2	ug/kg	1
Endrin	72-20-8	8081A	ND		2.2	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.2	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.2	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.2	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.2	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.8	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		110	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		86	50-130
Tetrachloro-m-xylene		79	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**	Laboratory ID: **IE25018-003**
Description: **MMRP06-IS29**	Matrix: **Solid**
Date Sampled: **05/24/2007 0840**	% Solids: **76.1** **05/28/2007 0246**
Date Received: **05/25/2007**	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 1614	NCM	05/30/2007 0945	58430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		8800	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		90	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS29**
Date Sampled: **05/24/2007 0840**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-003**
Matrix: **Solid**
% Solids: **76.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 2322	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		6200	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		67	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS29**
Date Sampled: **05/24/2007 0840**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-003**
Matrix: **Solid**
% Solids: **76.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/29/2007 2337	FLW	05/29/2007 1858	58403
1	3050B	6010B	1	06/06/2007 1949	MNM	05/31/2007 1631	58579
2	3050B	6010B	1	06/07/2007 1951	KJC	05/31/2007 1631	58579

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**17000**		**13**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.66	mg/kg	2
Arsenic	**7440-38-2**	**6010B**	**0.97**		**0.66**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**19**		**1.7**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.26	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.13	mg/kg	1
Calcium	7440-70-2	6010B	ND		330	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**16**		**0.33**	**mg/kg**	**2**
Cobalt	7440-48-4	6010B	ND		1.7	mg/kg	1
Copper	**7440-50-8**	**6010B**	**2.7**		**0.33**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**3500**		**6.6**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**5.7**		**0.66**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**620**		**330**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**12**		**0.98**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.11	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**3.7**		**2.6**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**850**		**330**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.66	mg/kg	1
Silver	7440-22-4	6010B	ND		0.33	mg/kg	1
Sodium	**7440-23-5**	**6010B**	**590**		**330**	**mg/kg**	**1**
Thallium	7440-28-0	6010B	ND		3.3	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**17**		**3.3**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**44**		**3.3**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE25018-004**
Description: **MMRP06-IS30**
Matrix: **Solid**
Date Sampled: **05/24/2007 0910**
% Solids: **75.5** **05/28/2007 0246**
Date Received: **05/25/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0854	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/28/2007 1600	KLW		58476

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.66	mg/kg	1
TOC		Walkley-Black	ND		200	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS30**
Date Sampled: **05/24/2007 0910**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-004**
Matrix: **Solid**
% Solids: **75.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0439	CMS		58433	5.03

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		26	ug/kg	1
Benzene	71-43-2	8260B	ND		6.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.6	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.6	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.6	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.6	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.6	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.6	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.6	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.6	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.6	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.6	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.6	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.6	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.6	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.6	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.6	ug/kg	1
Styrene	100-42-5	8260B	ND		6.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.6	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.6	ug/kg	1
Toluene	108-88-3	8260B	ND		6.6	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.6	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.6	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.6	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.6	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS30**
Date Sampled: **05/24/2007 0910**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-004**
Matrix: **Solid**
% Solids: **75.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0439	CMS		58433	5.03

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		6.6	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142
Bromofluorobenzene		106	47-138
Toluene-d8		120	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS30**
Date Sampled: **05/24/2007 0910**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-004**
Matrix: **Solid**
% Solids: **75.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1731	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		440	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		440	ug/kg	1
Acetophenone	98-86-2	8270C	ND		440	ug/kg	1
Anthracene	120-12-7	8270C	ND		440	ug/kg	1
Atrazine	1912-24-9	8270C	ND		440	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1100	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		440	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		440	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		440	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		440	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		440	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		440	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		440	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		440	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1100	ug/kg	1
Carbazole	86-74-8	8270C	ND		440	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		440	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		440	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		440	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		440	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		440	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		440	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		440	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		440	ug/kg	1
Chrysene	218-01-9	8270C	ND		440	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		440	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		440	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		440	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		440	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1100	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		440	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		440	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		440	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		440	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1100	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1100	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		440	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		440	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		440	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		440	ug/kg	1
Fluorene	86-73-7	8270C	ND		440	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		440	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		440	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1100	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		440	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		440	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS30**
Date Sampled: **05/24/2007 0910**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-004**
Matrix: **Solid**
% Solids: **75.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1731	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		440	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		440	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		440	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		890	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		440	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		440	ug/kg	1
Naphthalene	91-20-3	8270C	ND		440	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		440	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		440	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		440	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		440	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		440	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1100	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1100	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		440	ug/kg	1
Phenol	108-95-2	8270C	ND		440	ug/kg	1
Pyrene	129-00-0	8270C	ND		440	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		440	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		440	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		75	30-117
2-Fluorobiphenyl		61	33-102
2-Fluorophenol		71	28-104
Nitrobenzene-d5		59	22-109
Phenol-d5		70	27-103
Terphenyl-d14		80	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS30**
Date Sampled: **05/24/2007 0910**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-004**
Matrix: **Solid**
% Solids: **75.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	06/01/2007 2050	NWD	05/29/2007 1356	58346

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		22	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		22	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		22	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		22	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		22	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		22	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		95	50-130
Tetrachloro-m-xylene		75	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS30**
Date Sampled: **05/24/2007 0910**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-004**
Matrix: **Solid**
% Solids: **75.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/05/2007 0102	LH	05/29/2007 1356	58347

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.2	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.2	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.2	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.2	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.2	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.2	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.2	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.2	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.2	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.2	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.2	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.2	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.2	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.2	ug/kg	1
Endrin	72-20-8	8081A	ND		2.2	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.2	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.2	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.2	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.2	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.9	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		110	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		80	50-130
Tetrachloro-m-xylene		72	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS30**
Date Sampled: **05/24/2007 0910**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-004**
Matrix: **Solid**
% Solids: **75.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 1641	NCM	05/30/2007 0945	58430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		8900	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		90	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS30**
Date Sampled: **05/24/2007 0910**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-004**
Matrix: **Solid**
% Solids: **75.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	05/30/2007 2347	JGR		58546

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		6200	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		77	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS30**
Date Sampled: **05/24/2007 0910**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-004**
Matrix: **Solid**
% Solids: **75.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/29/2007 2338	FLW	05/29/2007 1858	58403
1	3050B	6010B	1	06/06/2007 1955	MNM	05/31/2007 1631	58579
2	3050B	6010B	1	06/07/2007 1959	KJC	05/31/2007 1631	58579

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**7300**		**13**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.66	mg/kg	2
Arsenic	7440-38-2	6010B	ND		0.66	mg/kg	1
Barium	**7440-39-3**	**6010B**	**9.2**		**1.7**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.26	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.13	mg/kg	1
Calcium	7440-70-2	6010B	ND		330	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**7.4**		**0.33**	**mg/kg**	**2**
Cobalt	7440-48-4	6010B	ND		1.7	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.0**		**0.33**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**2000**		**6.6**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**4.4**		**0.66**	**mg/kg**	**1**
Magnesium	7439-95-4	6010B	ND		330	mg/kg	1
Manganese	**7439-96-5**	**6010B**	**9.8**		**0.99**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.11	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.6	mg/kg	1
Potassium	**7440-09-7**	**6010B**	**330**		**330**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.66	mg/kg	1
Silver	7440-22-4	6010B	ND		0.33	mg/kg	1
Sodium	7440-23-5	6010B	ND		330	mg/kg	1
Thallium	7440-28-0	6010B	ND		3.3	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**8.0**		**3.3**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**15**		**3.3**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS31**
Date Sampled: **05/24/2007 0940**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-005**
Matrix: **Solid**
% Solids: **77.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0855	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/28/2007 1600	KLW		58476

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.64	mg/kg	1
TOC		Walkley-Black	ND		200	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS31**
Date Sampled: **05/24/2007 0940**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-005**
Matrix: **Solid**
% Solids: **77.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	05/30/2007 1033	CMS		58496	5.75

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		22	ug/kg	2
Benzene	71-43-2	8260B	ND		5.6	ug/kg	2
Bromodichloromethane	75-27-4	8260B	ND		5.6	ug/kg	2
Bromoform	75-25-2	8260B	ND		5.6	ug/kg	2
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.6	ug/kg	2
2-Butanone (MEK)	78-93-3	8260B	ND		11	ug/kg	2
Carbon disulfide	75-15-0	8260B	ND		5.6	ug/kg	2
Carbon tetrachloride	56-23-5	8260B	ND		5.6	ug/kg	2
Chlorobenzene	108-90-7	8260B	ND		5.6	ug/kg	2
Chloroethane	75-00-3	8260B	ND		5.6	ug/kg	2
Chloroform	67-66-3	8260B	ND		5.6	ug/kg	2
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.6	ug/kg	2
Cyclohexane	110-82-7	8260B	ND		5.6	ug/kg	2
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.6	ug/kg	2
Dibromochloromethane	124-48-1	8260B	ND		5.6	ug/kg	2
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.6	ug/kg	2
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.6	ug/kg	2
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.6	ug/kg	2
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.6	ug/kg	2
Dichlorodifluoromethane	75-71-8	8260B	ND		5.6	ug/kg	2
1,1-Dichloroethane	75-34-3	8260B	ND		5.6	ug/kg	2
1,2-Dichloroethane	107-06-2	8260B	ND		5.6	ug/kg	2
1,1-Dichloroethene	75-35-4	8260B	ND		5.6	ug/kg	2
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.6	ug/kg	2
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.6	ug/kg	2
1,2-Dichloropropane	78-87-5	8260B	ND		5.6	ug/kg	2
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.6	ug/kg	2
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.6	ug/kg	2
Ethylbenzene	100-41-4	8260B	ND		5.6	ug/kg	2
2-Hexanone	591-78-6	8260B	ND		11	ug/kg	2
Isopropylbenzene	98-82-8	8260B	ND		5.6	ug/kg	2
Methyl acetate	79-20-9	8260B	ND		5.6	ug/kg	2
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.6	ug/kg	2
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	ug/kg	2
Methylcyclohexane	108-87-2	8260B	ND		5.6	ug/kg	2
Methylene chloride	75-09-2	8260B	ND		5.6	ug/kg	2
Styrene	100-42-5	8260B	ND		5.6	ug/kg	2
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.6	ug/kg	2
Tetrachloroethene	127-18-4	8260B	ND		5.6	ug/kg	2
Toluene	108-88-3	8260B	ND		5.6	ug/kg	2
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.6	ug/kg	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.6	ug/kg	2
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.6	ug/kg	2
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.6	ug/kg	2
Trichloroethene	79-01-6	8260B	ND		5.6	ug/kg	2
Trichlorofluoromethane	75-69-4	8260B	ND		5.6	ug/kg	2

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS31**
Date Sampled: **05/24/2007 0940**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-005**
Matrix: **Solid**
% Solids: **77.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
2	5035	8260B	1	05/30/2007 1033	CMS		58496	5.75

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		5.6	ug/kg	2
Xylenes (total)	1330-20-7	8260B	ND		5.6	ug/kg	2

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	53-142		105	53-142
Bromofluorobenzene		104	47-138		106	47-138
Toluene-d8	N	125	68-124		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS31**
Date Sampled: **05/24/2007 0940**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-005**
Matrix: **Solid**
% Solids: **77.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1752	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		420	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		420	ug/kg	1
Acetophenone	98-86-2	8270C	ND		420	ug/kg	1
Anthracene	120-12-7	8270C	ND		420	ug/kg	1
Atrazine	1912-24-9	8270C	ND		420	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1100	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		420	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		420	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		420	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		420	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		420	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		420	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		420	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		420	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1100	ug/kg	1
Carbazole	86-74-8	8270C	ND		420	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		420	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		420	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		420	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		420	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		420	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		420	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		420	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		420	ug/kg	1
Chrysene	218-01-9	8270C	ND		420	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		420	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		420	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		420	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		420	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1100	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		420	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		420	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		420	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		420	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1100	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1100	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		420	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		420	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		420	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		420	ug/kg	1
Fluorene	86-73-7	8270C	ND		420	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		420	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		420	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1100	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		420	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		420	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS31**
Date Sampled: **05/24/2007 0940**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-005**
Matrix: **Solid**
% Solids: **77.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1752	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		420	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		420	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		420	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		860	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		420	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		420	ug/kg	1
Naphthalene	91-20-3	8270C	ND		420	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		420	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		420	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		420	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		420	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		420	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1100	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1100	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		420	ug/kg	1
Phenol	108-95-2	8270C	ND		420	ug/kg	1
Pyrene	129-00-0	8270C	ND		420	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		420	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		420	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		76	30-117
2-Fluorobiphenyl		64	33-102
2-Fluorophenol		70	28-104
Nitrobenzene-d5		62	22-109
Phenol-d5		69	27-103
Terphenyl-d14		79	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS31**
Date Sampled: **05/24/2007 0940**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-005**
Matrix: **Solid**
% Solids: **77.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	06/01/2007 2107	NWD	05/29/2007 1356	58346

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		22	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		22	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		22	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		22	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		22	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		22	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		89	50-130
Tetrachloro-m-xylene		77	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS31**
Date Sampled: **05/24/2007 0940**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-005**
Matrix: **Solid**
% Solids: **77.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/05/2007 0118	LH	05/29/2007 1356	58347

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.2	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.2	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.2	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.2	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.2	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.2	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.2	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.2	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.2	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.2	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.2	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.2	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.2	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.2	ug/kg	1
Endrin	72-20-8	8081A	ND		2.2	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.2	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.2	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.2	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.2	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.6	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		110	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		76	50-130
Tetrachloro-m-xylene		76	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS31**
Date Sampled: **05/24/2007 0940**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-005**
Matrix: **Solid**
% Solids: **77.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 1707	NCM	05/30/2007 0945	58430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		**8015B**	**9500**		**8600**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		83	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS31**
Date Sampled: **05/24/2007 0940**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-005**
Matrix: **Solid**
% Solids: **77.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	06/04/2007 2003	JGR		58757

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		6700	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		59	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE25018-005**
Description: **MMRP06-IS31**
Matrix: **Solid**
Date Sampled: **05/24/2007 0940**
% Solids: **77.7** **05/28/2007 0246**
Date Received: **05/25/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/29/2007 2339	FLW	05/29/2007 1858	58403
1	3050B	6010B	1	06/06/2007 2001	MNM	05/31/2007 1631	58579
2	3050B	6010B	1	06/07/2007 2006	KJC	05/31/2007 1631	58579

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**12000**		**13**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.64	mg/kg	2
Arsenic	7440-38-2	6010B	ND		0.64	mg/kg	2
Barium	**7440-39-3**	**6010B**	**14**		**1.7**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.26	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.13	mg/kg	1
Calcium	7440-70-2	6010B	ND		320	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**12**		**0.32**	**mg/kg**	**2**
Cobalt	7440-48-4	6010B	ND		1.7	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.7**		**0.32**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**2800**		**6.4**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**4.5**		**0.64**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**470**		**320**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**11**		**0.96**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.11	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**2.8**		**2.6**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**530**		**320**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.64	mg/kg	1
Silver	7440-22-4	6010B	ND		0.32	mg/kg	1
Sodium	**7440-23-5**	**6010B**	**440**		**320**	**mg/kg**	**1**
Thallium	7440-28-0	6010B	ND		3.2	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**12**		**3.2**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**31**		**3.2**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE25018-006**
Description: **MMRP06-IS32**
Matrix: **Solid**
Date Sampled: **05/24/2007 1010**
% Solids: **76.3** **05/28/2007 0246**
Date Received: **05/25/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0856	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/28/2007 1600	KLW		58476

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.66	mg/kg	1
TOC		**Walkley-Black**	**1000**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS32**
Date Sampled: **05/24/2007 1010**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-006**
Matrix: **Solid**
% Solids: **76.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0522	CMS		58433	6.15

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		21	ug/kg	1
Benzene	71-43-2	8260B	ND		5.3	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.3	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.3	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.3	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.3	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.3	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.3	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.3	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.3	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.3	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.3	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.3	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.3	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.3	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.3	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.3	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.3	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.3	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.3	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.3	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.3	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.3	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.3	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.3	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.3	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.3	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.3	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.3	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.3	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.3	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.3	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.3	ug/kg	1
Styrene	100-42-5	8260B	ND		5.3	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.3	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.3	ug/kg	1
Toluene	108-88-3	8260B	ND		5.3	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.3	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.3	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.3	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.3	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.3	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.3	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS32**
Date Sampled: **05/24/2007 1010**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-006**
Matrix: **Solid**
% Solids: **76.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0522	CMS		58433	6.15

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		5.3	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.3	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	53-142
Bromofluorobenzene		103	47-138
Toluene-d8		103	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS32**
Date Sampled: **05/24/2007 1010**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-006**
Matrix: **Solid**
% Solids: **76.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1814	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		430	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		430	ug/kg	1
Acetophenone	98-86-2	8270C	ND		430	ug/kg	1
Anthracene	120-12-7	8270C	ND		430	ug/kg	1
Atrazine	1912-24-9	8270C	ND		430	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1100	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		430	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		430	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		430	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		430	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		430	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		430	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		430	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		430	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1100	ug/kg	1
Carbazole	86-74-8	8270C	ND		430	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		430	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		430	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		430	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		430	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		430	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		430	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		430	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		430	ug/kg	1
Chrysene	218-01-9	8270C	ND		430	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		430	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		430	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		430	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		430	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1100	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		430	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		430	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		430	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		430	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1100	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1100	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		430	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		430	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		430	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		430	ug/kg	1
Fluorene	86-73-7	8270C	ND		430	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		430	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		430	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1100	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		430	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		430	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS32**
Date Sampled: **05/24/2007 1010**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-006**
Matrix: **Solid**
% Solids: **76.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1814	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		430	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		430	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		430	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		880	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		430	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		430	ug/kg	1
Naphthalene	91-20-3	8270C	ND		430	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		430	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		430	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		430	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		430	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		430	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1100	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1100	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		430	ug/kg	1
Phenol	108-95-2	8270C	ND		430	ug/kg	1
Pyrene	129-00-0	8270C	ND		430	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		430	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		430	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		70	30-117
2-Fluorobiphenyl		60	33-102
2-Fluorophenol		67	28-104
Nitrobenzene-d5		56	22-109
Phenol-d5		66	27-103
Terphenyl-d14		85	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS32**
Date Sampled: **05/24/2007 1010**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-006**
Matrix: **Solid**
% Solids: **76.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	06/01/2007 2124	NWD	05/29/2007 1356	58346

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		22	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		22	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		22	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		22	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		22	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		22	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		22	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		98	50-130
Tetrachloro-m-xylene		77	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS32**
Date Sampled: **05/24/2007 1010**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-006**
Matrix: **Solid**
% Solids: **76.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/05/2007 0134	LH	05/29/2007 1356	58347

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.2	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.2	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.2	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.2	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.2	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.2	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.2	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.2	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.2	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.2	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.2	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.2	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.2	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.2	ug/kg	1
Endrin	72-20-8	8081A	ND		2.2	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.2	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.2	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.2	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.2	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.8	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		110	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		84	50-130
Tetrachloro-m-xylene		76	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS32**
Date Sampled: **05/24/2007 1010**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-006**
Matrix: **Solid**
% Solids: **76.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 1734	NCM	05/30/2007 0945	58430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		8800	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		87	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS32**
Date Sampled: **05/24/2007 1010**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-006**
Matrix: **Solid**
% Solids: **76.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	06/04/2007 2028	JGR		58757

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5800	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		56	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS32**
Date Sampled: **05/24/2007 1010**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-006**
Matrix: **Solid**
% Solids: **76.3** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/29/2007 2341	FLW	05/29/2007 1858	58403
1	3050B	6010B	1	06/06/2007 2014	MNM	05/31/2007 1631	58579
2	3050B	6010B	1	06/07/2007 2020	KJC	05/31/2007 1631	58579

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**5200**		**13**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.66	mg/kg	2
Arsenic	**7440-38-2**	**6010B**	**0.83**		**0.66**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**15**		**1.7**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.26	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.13	mg/kg	1
Calcium	7440-70-2	6010B	ND		330	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**5.8**		**0.33**	**mg/kg**	**2**
Cobalt	7440-48-4	6010B	ND		1.7	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.0**		**0.33**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**1600**		**6.6**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**4.4**		**0.66**	**mg/kg**	**1**
Magnesium	7439-95-4	6010B	ND		330	mg/kg	1
Manganese	**7439-96-5**	**6010B**	**21**		**0.98**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.11	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.6	mg/kg	1
Potassium	7440-09-7	6010B	ND		330	mg/kg	1
Selenium	7782-49-2	6010B	ND		0.66	mg/kg	1
Silver	7440-22-4	6010B	ND		0.33	mg/kg	1
Sodium	7440-23-5	6010B	ND		330	mg/kg	1
Thallium	7440-28-0	6010B	ND		3.3	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**6.4**		**3.3**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**30**		**3.3**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS33**
Date Sampled: **05/24/2007 1040**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-007**
Matrix: **Solid**
% Solids: **86.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0857	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/28/2007 1600	KLW		58476

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.58	mg/kg	1
TOC		**Walkley-Black**	**2400**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS33**
Date Sampled: **05/24/2007 1040**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-007**
Matrix: **Solid**
% Solids: **86.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0543	CMS		58433	5.34

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		22	ug/kg	1
Benzene	71-43-2	8260B	ND		5.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.4	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		11	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.4	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.4	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.4	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.4	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.4	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.4	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.4	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.4	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.4	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.4	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		11	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.4	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.4	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		11	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.4	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.4	ug/kg	1
Styrene	100-42-5	8260B	ND		5.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.4	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.4	ug/kg	1
Toluene	108-88-3	8260B	ND		5.4	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.4	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.4	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.4	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.4	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS33**
Date Sampled: **05/24/2007 1040**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-007**
Matrix: **Solid**
% Solids: **86.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0543	CMS		58433	5.34

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		5.4	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	53-142
Bromofluorobenzene		102	47-138
Toluene-d8		102	68-124

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS33**
Date Sampled: **05/24/2007 1040**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-007**
Matrix: **Solid**
% Solids: **86.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1835	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	ug/kg	1
Acetophenone	98-86-2	8270C	ND		380	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	ug/kg	1
Atrazine	1912-24-9	8270C	ND		380	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		960	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		380	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	ug/kg	1
Caprolactam	105-60-2	8270C	ND		960	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		960	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		960	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		960	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		960	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS33**
Date Sampled: **05/24/2007 1040**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-007**
Matrix: **Solid**
% Solids: **86.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1835	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		380	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		380	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		770	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		380	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		960	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		960	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	ug/kg	1
Phenol	108-95-2	8270C	ND		380	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		72	30-117
2-Fluorobiphenyl		67	33-102
2-Fluorophenol		74	28-104
Nitrobenzene-d5		59	22-109
Phenol-d5		68	27-103
Terphenyl-d14		74	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS33**
Date Sampled: **05/24/2007 1040**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-007**
Matrix: **Solid**
% Solids: **86.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	06/01/2007 2140	NWD	05/29/2007 1356	58346

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		20	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		20	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		20	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		20	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		20	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		20	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		20	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		94	50-130
Tetrachloro-m-xylene		77	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS33**
Date Sampled: **05/24/2007 1040**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-007**
Matrix: **Solid**
% Solids: **86.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/05/2007 0150	LH	05/29/2007 1356	58347

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.0	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.0	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.0	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.0	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.0	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.0	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.0	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.0	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.0	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.0	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.0	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.0	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.0	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.0	ug/kg	1
Endrin	72-20-8	8081A	ND		2.0	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.0	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.0	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.0	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.0	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.7	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		96	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		79	50-130
Tetrachloro-m-xylene		76	50-130

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS33**
Date Sampled: **05/24/2007 1040**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-007**
Matrix: **Solid**
% Solids: **86.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 1801	NCM	05/30/2007 0945	58430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		7700	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		90	50-130

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B = Detected in the method blank
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TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS33**
Date Sampled: **05/24/2007 1040**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-007**
Matrix: **Solid**
% Solids: **86.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	06/04/2007 2053	JGR		58757

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		4200	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		55	45-132

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS33**
Date Sampled: **05/24/2007 1040**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-007**
Matrix: **Solid**
% Solids: **86.5** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/29/2007 2350	FLW	05/29/2007 1858	58403
1	3050B	6010B	1	06/06/2007 2020	MNM	05/31/2007 1631	58579
2	3050B	6010B	1	06/07/2007 2027	KJC	05/31/2007 1631	58579

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**23000**		**12**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.58	mg/kg	2
Arsenic	**7440-38-2**	**6010B**	**1.2**		**0.58**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**26**		**1.5**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.23	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.12	mg/kg	1
Calcium	**7440-70-2**	**6010B**	**9000**		**290**	**mg/kg**	**1**
Chromium	**7440-47-3**	**6010B**	**26**		**0.29**	**mg/kg**	**2**
Cobalt	**7440-48-4**	**6010B**	**2.0**		**1.5**	**mg/kg**	**1**
Copper	**7440-50-8**	**6010B**	**2.0**		**0.29**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**5700**		**5.8**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**7.8**		**0.58**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**990**		**290**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**30**		**0.87**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.096	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**6.0**		**2.3**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**990**		**290**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.58	mg/kg	1
Silver	7440-22-4	6010B	ND		0.29	mg/kg	1
Sodium	**7440-23-5**	**6010B**	**770**		**290**	**mg/kg**	**1**
Thallium	7440-28-0	6010B	ND		2.9	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**30**		**2.9**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**36**		**2.9**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS34**
Date Sampled: **05/24/2007 1110**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-008**
Matrix: **Solid**
% Solids: **96.6** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0858	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/28/2007 1600	KLW		58476

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.52	mg/kg	1
TOC		**Walkley-Black**	**750**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS34**
Date Sampled: **05/24/2007 1110**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-008**
Matrix: **Solid**
% Solids: **96.6** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0605	CMS		58433	5.57

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	**67-64-1**	**8260B**	**48**		**18**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		4.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.6	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.6	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.6	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.6	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.6	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.6	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.6	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.6	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.6	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.6	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.6	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.6	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.6	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.6	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.3	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.6	ug/kg	1
Styrene	100-42-5	8260B	ND		4.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.6	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.6	ug/kg	1
Toluene	108-88-3	8260B	ND		4.6	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.6	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.6	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.6	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.6	ug/kg	1

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ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS34**
Date Sampled: **05/24/2007 1110**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-008**
Matrix: **Solid**
% Solids: **96.6** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0605	CMS		58433	5.57

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		4.6	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	53-142
Bromofluorobenzene		102	47-138
Toluene-d8		103	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS34**
Date Sampled: **05/24/2007 1110**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-008**
Matrix: **Solid**
% Solids: **96.6** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1857	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		340	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		340	ug/kg	1
Acetophenone	98-86-2	8270C	ND		340	ug/kg	1
Anthracene	120-12-7	8270C	ND		340	ug/kg	1
Atrazine	1912-24-9	8270C	ND		340	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		860	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		340	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		340	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		340	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		340	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		340	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		340	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		340	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		340	ug/kg	1
Caprolactam	105-60-2	8270C	ND		860	ug/kg	1
Carbazole	86-74-8	8270C	ND		340	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		340	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		340	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		340	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		340	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		340	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		340	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		340	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		340	ug/kg	1
Chrysene	218-01-9	8270C	ND		340	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		340	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		340	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		340	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		340	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		860	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		340	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		340	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		340	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		340	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		860	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		860	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		340	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		340	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		340	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		340	ug/kg	1
Fluorene	86-73-7	8270C	ND		340	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		340	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		340	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		860	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		340	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		340	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS34**
Date Sampled: **05/24/2007 1110**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-008**
Matrix: **Solid**
% Solids: **96.6** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1857	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		340	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		340	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		340	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		690	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		340	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		340	ug/kg	1
Naphthalene	91-20-3	8270C	ND		340	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		340	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		340	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		340	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		340	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		340	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		860	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		860	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		340	ug/kg	1
Phenol	108-95-2	8270C	ND		340	ug/kg	1
Pyrene	129-00-0	8270C	ND		340	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		340	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		340	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		83	30-117
2-Fluorobiphenyl		78	33-102
2-Fluorophenol		77	28-104
Nitrobenzene-d5		68	22-109
Phenol-d5		75	27-103
Terphenyl-d14		81	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS34**
Date Sampled: **05/24/2007 1110**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-008**
Matrix: **Solid**
% Solids: **96.6** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	06/01/2007 2157	NWD	05/29/2007 1356	58346

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		18	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		18	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		18	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		18	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		18	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		18	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		18	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		91	50-130
Tetrachloro-m-xylene		60	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS34**
Date Sampled: **05/24/2007 1110**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-008**
Matrix: **Solid**
% Solids: **96.6** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/05/2007 0205	LH	05/29/2007 1356	58347

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		1.8	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		1.8	ug/kg	1
beta-BHC	319-85-7	8081A	ND		1.8	ug/kg	1
delta-BHC	319-86-8	8081A	ND		1.8	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		1.8	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		1.8	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		1.8	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		1.8	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		1.8	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		1.8	ug/kg	1
Dieldrin	60-57-1	8081A	ND		1.8	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		1.8	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		1.8	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		1.8	ug/kg	1
Endrin	72-20-8	8081A	ND		1.8	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		1.8	ug/kg	1
Endrin ketone	**53494-70-5**	**8081A**	**1.8**		**1.8**	**ug/kg**	**1**
Heptachlor	76-44-8	8081A	ND		1.8	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		1.8	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		6.9	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		86	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		80	50-130
Tetrachloro-m-xylene		60	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS34**
Date Sampled: **05/24/2007 1110**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-008**
Matrix: **Solid**
% Solids: **96.6** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 1827	NCM	05/30/2007 0945	58430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		6900	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		85	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS34**
Date Sampled: **05/24/2007 1110**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-008**
Matrix: **Solid**
% Solids: **96.6** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	06/04/2007 2118	JGR		58757

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5200	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		65	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS34**
Date Sampled: **05/24/2007 1110**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-008**
Matrix: **Solid**
% Solids: **96.6** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/29/2007 2352	FLW	05/29/2007 1858	58403
1	3050B	6010B	1	06/06/2007 2026	MNM	05/31/2007 1631	58579
2	3050B	6010B	1	06/07/2007 2034	KJC	05/31/2007 1631	58579

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**13000**		**10**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.52	mg/kg	2
Arsenic	**7440-38-2**	**6010B**	**1.2**		**0.52**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**31**		**1.3**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.21	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.10	mg/kg	1
Calcium	**7440-70-2**	**6010B**	**1100**		**260**	**mg/kg**	**1**
Chromium	**7440-47-3**	**6010B**	**13**		**0.26**	**mg/kg**	**2**
Cobalt	7440-48-4	6010B	ND		1.3	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.9**		**0.26**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**4300**		**5.2**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**5.0**		**0.52**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**520**		**260**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**19**		**0.78**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.086	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**3.6**		**2.1**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**490**		**260**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.52	mg/kg	1
Silver	7440-22-4	6010B	ND		0.26	mg/kg	1
Sodium	**7440-23-5**	**6010B**	**610**		**260**	**mg/kg**	**1**
Thallium	7440-28-0	6010B	ND		2.6	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**16**		**2.6**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**21**		**2.6**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS35**
Date Sampled: **05/24/2007 1140**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-009**
Matrix: **Solid**
% Solids: **88.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0858	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/28/2007 1600	KLW		58476

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.56	mg/kg	1
TOC		Walkley-Black	ND		200	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS35**
Date Sampled: **05/24/2007 1140**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-009**
Matrix: **Solid**
% Solids: **88.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0626	CMS		58433	5.55

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	**67-64-1**	**8260B**	**25**		**20**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.1	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.1	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.1	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.1	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.1	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.1	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.1	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.1	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.1	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.1	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.1	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.1	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.1	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.1	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.1	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.1	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.1	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.1	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.1	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.1	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.1	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.1	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.1	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.1	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.1	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.1	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.1	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.1	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.1	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.1	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.1	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.1	ug/kg	1
Styrene	100-42-5	8260B	ND		5.1	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.1	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.1	ug/kg	1
Toluene	108-88-3	8260B	ND		5.1	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.1	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.1	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.1	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.1	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.1	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.1	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS35**
Date Sampled: **05/24/2007 1140**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-009**
Matrix: **Solid**
% Solids: **88.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 0626	CMS		58433	5.55

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		5.1	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.1	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		93	53-142
Bromofluorobenzene		105	47-138
Toluene-d8		102	68-124

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS35**
Date Sampled: **05/24/2007 1140**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-009**
Matrix: **Solid**
% Solids: **88.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1919	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		370	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		370	ug/kg	1
Acetophenone	98-86-2	8270C	ND		370	ug/kg	1
Anthracene	120-12-7	8270C	ND		370	ug/kg	1
Atrazine	1912-24-9	8270C	ND		370	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		940	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		370	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		370	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		370	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		370	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		370	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		370	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		370	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		370	ug/kg	1
Caprolactam	105-60-2	8270C	ND		940	ug/kg	1
Carbazole	86-74-8	8270C	ND		370	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		370	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		370	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		370	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		370	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		370	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		370	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		370	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		370	ug/kg	1
Chrysene	218-01-9	8270C	ND		370	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		370	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		370	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		370	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		370	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		940	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		370	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		370	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		370	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		370	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		940	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		940	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		370	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		370	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		370	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		370	ug/kg	1
Fluorene	86-73-7	8270C	ND		370	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		370	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		370	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		940	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		370	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		370	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS35**
Date Sampled: **05/24/2007 1140**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-009**
Matrix: **Solid**
% Solids: **88.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1919	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		370	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		370	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		370	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		760	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		370	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		370	ug/kg	1
Naphthalene	91-20-3	8270C	ND		370	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		370	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		370	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		370	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		370	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		370	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		940	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		940	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		370	ug/kg	1
Phenol	108-95-2	8270C	ND		370	ug/kg	1
Pyrene	129-00-0	8270C	ND		370	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		370	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		370	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		73	30-117
2-Fluorobiphenyl		73	33-102
2-Fluorophenol		72	28-104
Nitrobenzene-d5		65	22-109
Phenol-d5		76	27-103
Terphenyl-d14		81	41-120

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ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS35**
Date Sampled: **05/24/2007 1140**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-009**
Matrix: **Solid**
% Solids: **88.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	06/01/2007 2214	NWD	05/29/2007 1356	58346

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		93	50-130
Tetrachloro-m-xylene		74	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS35**
Date Sampled: **05/24/2007 1140**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-009**
Matrix: **Solid**
% Solids: **88.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/05/2007 0221	LH	05/29/2007 1356	58347

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		1.9	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		1.9	ug/kg	1
beta-BHC	319-85-7	8081A	ND		1.9	ug/kg	1
delta-BHC	319-86-8	8081A	ND		1.9	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		1.9	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		1.9	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		1.9	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		1.9	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		1.9	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		1.9	ug/kg	1
Dieldrin	60-57-1	8081A	ND		1.9	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		1.9	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		1.9	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		1.9	ug/kg	1
Endrin	72-20-8	8081A	ND		1.9	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		1.9	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		1.9	ug/kg	1
Heptachlor	76-44-8	8081A	ND		1.9	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		1.9	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.6	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		94	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		75	50-130
Tetrachloro-m-xylene		67	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS35**
Date Sampled: **05/24/2007 1140**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-009**
Matrix: **Solid**
% Solids: **88.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 1854	NCM	05/30/2007 0945	58430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		7600	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		87	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS35**
Date Sampled: **05/24/2007 1140**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-009**
Matrix: **Solid**
% Solids: **88.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	06/04/2007 2143	JGR		58757

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5700	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		66	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS35**
Date Sampled: **05/24/2007 1140**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-009**
Matrix: **Solid**
% Solids: **88.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/29/2007 2353	FLW	05/29/2007 1858	58403
1	3050B	6010B	2	06/06/2007 2032	MNM	05/31/2007 1631	58579
2	3050B	6010B	2	06/07/2007 2041	KJC	05/31/2007 1631	58579

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**17000**		**23**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		1.1	mg/kg	2
Arsenic	**7440-38-2**	**6010B**	**2.3**		**1.1**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**26**		**2.9**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.45	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.23	mg/kg	1
Calcium	7440-70-2	6010B	ND		560	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**16**		**0.56**	**mg/kg**	**2**
Cobalt	7440-48-4	6010B	ND		2.9	mg/kg	1
Copper	**7440-50-8**	**6010B**	**2.7**		**0.56**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**8000**		**11**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**5.8**		**1.1**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**610**		**560**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**15**		**1.7**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.094	mg/kg	1
Nickel	7440-02-0	6010B	ND		4.5	mg/kg	1
Potassium	7440-09-7	6010B	ND		560	mg/kg	1
Selenium	7782-49-2	6010B	ND		1.1	mg/kg	1
Silver	7440-22-4	6010B	ND		0.56	mg/kg	1
Sodium	**7440-23-5**	**6010B**	**950**		**560**	**mg/kg**	**1**
Thallium	7440-28-0	6010B	ND		5.6	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**21**		**5.6**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**11**		**5.6**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS36**
Date Sampled: **05/24/2007 1330**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-010**
Matrix: **Solid**
% Solids: **89.2** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0859	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/28/2007 1600	KLW		58509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.56	mg/kg	1
TOC		**Walkley-Black**	**380**		**190**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS36**
Date Sampled: **05/24/2007 1330**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-010**
Matrix: **Solid**
% Solids: **89.2** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1143	CMS		58496	5.54

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		20	ug/kg	1
Benzene	71-43-2	8260B	ND		5.0	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.0	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/kg	1
Styrene	100-42-5	8260B	ND		5.0	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	ug/kg	1
Toluene	108-88-3	8260B	ND		5.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS36**
Date Sampled: **05/24/2007 1330**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-010**
Matrix: **Solid**
% Solids: **89.2** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1143	CMS		58496	5.54

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		5.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS36**
Date Sampled: **05/24/2007 1330**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-010**
Matrix: **Solid**
% Solids: **89.2** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1940	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		370	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		370	ug/kg	1
Acetophenone	98-86-2	8270C	ND		370	ug/kg	1
Anthracene	120-12-7	8270C	ND		370	ug/kg	1
Atrazine	1912-24-9	8270C	ND		370	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		930	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		370	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		370	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		370	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		370	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		370	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		370	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		370	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		370	ug/kg	1
Caprolactam	105-60-2	8270C	ND		930	ug/kg	1
Carbazole	86-74-8	8270C	ND		370	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		370	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		370	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		370	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		370	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		370	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		370	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		370	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		370	ug/kg	1
Chrysene	218-01-9	8270C	ND		370	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		370	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		370	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		370	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		370	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		930	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		370	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		370	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		370	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		370	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		930	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		930	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		370	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		370	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		370	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		370	ug/kg	1
Fluorene	86-73-7	8270C	ND		370	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		370	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		370	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		930	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		370	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		370	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS36**
Date Sampled: **05/24/2007 1330**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-010**
Matrix: **Solid**
% Solids: **89.2** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1940	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		370	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		370	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		370	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		750	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		370	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		370	ug/kg	1
Naphthalene	91-20-3	8270C	ND		370	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		370	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		370	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		370	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		370	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		370	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		930	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		930	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		370	ug/kg	1
Phenol	108-95-2	8270C	ND		370	ug/kg	1
Pyrene	129-00-0	8270C	ND		370	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		370	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		370	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		79	30-117
2-Fluorobiphenyl		67	33-102
2-Fluorophenol		70	28-104
Nitrobenzene-d5		59	22-109
Phenol-d5		69	27-103
Terphenyl-d14		82	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS36**
Date Sampled: **05/24/2007 1330**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-010**
Matrix: **Solid**
% Solids: **89.2** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	06/01/2007 2231	NWD	05/29/2007 1356	58346

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		94	50-130
Tetrachloro-m-xylene		76	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS36**
Date Sampled: **05/24/2007 1330**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-010**
Matrix: **Solid**
% Solids: **89.2** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/05/2007 0237	LH	05/29/2007 1356	58347

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		1.9	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		1.9	ug/kg	1
beta-BHC	319-85-7	8081A	ND		1.9	ug/kg	1
delta-BHC	319-86-8	8081A	ND		1.9	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		1.9	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		1.9	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		1.9	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		1.9	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		1.9	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		1.9	ug/kg	1
Dieldrin	60-57-1	8081A	ND		1.9	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		1.9	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		1.9	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		1.9	ug/kg	1
Endrin	72-20-8	8081A	ND		1.9	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		1.9	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		1.9	ug/kg	1
Heptachlor	76-44-8	8081A	ND		1.9	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		1.9	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.5	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		93	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		81	50-130
Tetrachloro-m-xylene		73	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS36**
Date Sampled: **05/24/2007 1330**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-010**
Matrix: **Solid**
% Solids: **89.2** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 1920	NCM	05/30/2007 0945	58430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		7500	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		84	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS36**
Date Sampled: **05/24/2007 1330**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-010**
Matrix: **Solid**
% Solids: **89.2** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	06/04/2007 2208	JGR		58757

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5300	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		56	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS36**
Date Sampled: **05/24/2007 1330**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-010**
Matrix: **Solid**
% Solids: **89.2** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/29/2007 2354	FLW	05/29/2007 1858	58403
1	3050B	6010B	1	06/06/2007 2038	MNM	05/31/2007 1631	58579
2	3050B	6010B	1	06/07/2007 2048	KJC	05/31/2007 1631	58579

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**19000**		**11**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.56	mg/kg	2
Arsenic	**7440-38-2**	**6010B**	**0.82**		**0.56**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**36**		**1.4**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.22	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.11	mg/kg	1
Calcium	**7440-70-2**	**6010B**	**340**		**280**	**mg/kg**	**1**
Chromium	**7440-47-3**	**6010B**	**15**		**0.28**	**mg/kg**	**2**
Cobalt	**7440-48-4**	**6010B**	**1.9**		**1.4**	**mg/kg**	**1**
Copper	**7440-50-8**	**6010B**	**2.4**		**0.28**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**4000**		**5.6**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**7.5**		**0.56**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**640**		**280**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**12**		**0.84**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.093	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**6.7**		**2.2**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**690**		**280**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.56	mg/kg	1
Silver	7440-22-4	6010B	ND		0.28	mg/kg	1
Sodium	**7440-23-5**	**6010B**	**480**		**280**	**mg/kg**	**1**
Thallium	7440-28-0	6010B	ND		2.8	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**14**		**2.8**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**8.4**		**2.8**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS37**
Date Sampled: **05/24/2007 1400**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-011**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	05/31/2007 1332	BMG	05/30/2007 1530	58512
1		(TOC) Walkley-Black	1	05/28/2007 1600	KLW		58476

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.69	mg/kg	1
TOC		**Walkley-Black**	**620**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS37**
Date Sampled: **05/24/2007 1400**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-011**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1206	CMS		58496	5.40

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		25	ug/kg	1
Benzene	71-43-2	8260B	ND		6.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		6.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		6.4	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		6.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		13	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		6.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		6.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		6.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		6.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		6.4	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		6.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		6.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		6.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		6.4	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		6.4	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		6.4	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		6.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		6.4	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		6.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		6.4	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		6.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		6.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		6.4	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		6.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		6.4	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		6.4	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		6.4	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		6.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		13	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		6.4	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		6.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		6.4	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		13	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		6.4	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		6.4	ug/kg	1
Styrene	100-42-5	8260B	ND		6.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		6.4	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		6.4	ug/kg	1
Toluene	108-88-3	8260B	ND		6.4	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		6.4	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		6.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		6.4	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		6.4	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		6.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		6.4	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS37**
Date Sampled: **05/24/2007 1400**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-011**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1206	CMS		58496	5.40

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		6.4	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		6.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS37**
Date Sampled: **05/24/2007 1400**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-011**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 2002	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		450	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		450	ug/kg	1
Acetophenone	98-86-2	8270C	ND		450	ug/kg	1
Anthracene	120-12-7	8270C	ND		450	ug/kg	1
Atrazine	1912-24-9	8270C	ND		450	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1100	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		450	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		450	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		450	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		450	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		450	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		450	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		450	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		450	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1100	ug/kg	1
Carbazole	86-74-8	8270C	ND		450	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		450	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		450	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		450	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		450	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		450	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		450	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		450	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		450	ug/kg	1
Chrysene	218-01-9	8270C	ND		450	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		450	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		450	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		450	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		450	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1100	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		450	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		450	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		450	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		450	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1100	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1100	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		450	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		450	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		450	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		450	ug/kg	1
Fluorene	86-73-7	8270C	ND		450	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		450	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		450	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1100	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		450	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		450	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS37**
Date Sampled: **05/24/2007 1400**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-011**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 2002	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		450	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		450	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		450	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		920	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		450	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		450	ug/kg	1
Naphthalene	91-20-3	8270C	ND		450	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		450	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		450	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		450	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		450	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		450	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1100	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1100	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		450	ug/kg	1
Phenol	108-95-2	8270C	ND		450	ug/kg	1
Pyrene	129-00-0	8270C	ND		450	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		450	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		450	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		74	30-117
2-Fluorobiphenyl		68	33-102
2-Fluorophenol		68	28-104
Nitrobenzene-d5		55	22-109
Phenol-d5		65	27-103
Terphenyl-d14		82	41-120

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ND = Not detected at or above the PQL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS37**
Date Sampled: **05/24/2007 1400**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-011**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	06/01/2007 2248	NWD	05/29/2007 1356	58346

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		23	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		23	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		23	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		23	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		23	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		23	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		23	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		95	50-130
Tetrachloro-m-xylene		78	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS37**
Date Sampled: **05/24/2007 1400**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-011**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/05/2007 0253	LH	05/29/2007 1356	58347

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.3	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.3	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.3	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.3	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.3	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.3	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.3	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.3	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.3	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.3	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.3	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.3	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.3	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.3	ug/kg	1
Endrin	72-20-8	8081A	ND		2.3	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.3	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.3	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.3	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.3	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		9.2	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		110	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		80	50-130
Tetrachloro-m-xylene		77	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS37**
Date Sampled: **05/24/2007 1400**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-011**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 1946	NCM	05/30/2007 0945	58430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		9200	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		84	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS37**
Date Sampled: **05/24/2007 1400**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-011**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	06/04/2007 2233	JGR		58757

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		6000	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		56	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS37**
Date Sampled: **05/24/2007 1400**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-011**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/29/2007 2357	FLW	05/29/2007 1858	58403
1	3050B	6010B	1	06/06/2007 2044	MNM	05/31/2007 1631	58579
2	3050B	6010B	1	06/07/2007 2055	KJC	05/31/2007 1631	58579

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**12000**		**14**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.69	mg/kg	2
Arsenic	**7440-38-2**	**6010B**	**1.8**		**0.69**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**18**		**1.8**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.28	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.14	mg/kg	1
Calcium	**7440-70-2**	**6010B**	**7000**		**340**	**mg/kg**	**1**
Chromium	**7440-47-3**	**6010B**	**16**		**0.34**	**mg/kg**	**2**
Cobalt	7440-48-4	6010B	ND		1.8	mg/kg	1
Copper	**7440-50-8**	**6010B**	**2.4**		**0.34**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**5000**		**6.9**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**4.6**		**0.69**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**610**		**340**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**24**		**1.0**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.11	mg/kg	1
Nickel	**7440-02-0**	**6010B**	**4.1**		**2.8**	**mg/kg**	**1**
Potassium	**7440-09-7**	**6010B**	**640**		**340**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.69	mg/kg	1
Silver	7440-22-4	6010B	ND		0.34	mg/kg	1
Sodium	**7440-23-5**	**6010B**	**770**		**340**	**mg/kg**	**1**
Thallium	7440-28-0	6010B	ND		3.4	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**17**		**3.4**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**45**		**3.4**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS38**
Date Sampled: **05/24/2007 1420**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-012**
Matrix: **Solid**
% Solids: **80.0** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	05/31/2007 1336	BMG	05/30/2007 1530	58512
1		(TOC) Walkley-Black	1	05/28/2007 1600	KLW		58476

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.62	mg/kg	1
TOC		**Walkley-Black**	**1400**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS38**
Date Sampled: **05/24/2007 1420**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-012**
Matrix: **Solid**
% Solids: **80.0** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1230	CMS		58496	6.18

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	**67-64-1**	**8260B**	**95**		**20**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		5.0	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.0	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.0	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.0	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.0	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.0	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.0	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.0	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.0	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.0	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.0	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.0	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.0	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.0	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.0	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.0	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.0	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.0	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.0	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.0	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.0	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.0	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.0	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.0	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.0	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.0	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.0	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.0	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.0	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.0	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.0	ug/kg	1
Styrene	100-42-5	8260B	ND		5.0	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.0	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.0	ug/kg	1
Toluene	108-88-3	8260B	ND		5.0	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.0	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.0	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.0	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.0	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.0	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.0	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS38**
Date Sampled: **05/24/2007 1420**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-012**
Matrix: **Solid**
% Solids: **80.0** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1230	CMS		58496	6.18

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		5.0	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.0	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	53-142
Bromofluorobenzene		105	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS38**
Date Sampled: **05/24/2007 1420**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-012**
Matrix: **Solid**
% Solids: **80.0** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 2023	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		410	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		410	ug/kg	1
Acetophenone	98-86-2	8270C	ND		410	ug/kg	1
Anthracene	120-12-7	8270C	ND		410	ug/kg	1
Atrazine	1912-24-9	8270C	ND		410	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1000	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		410	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		410	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		410	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		410	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		410	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		410	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		410	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		410	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1000	ug/kg	1
Carbazole	86-74-8	8270C	ND		410	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		410	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		410	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		410	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		410	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		410	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		410	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		410	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		410	ug/kg	1
Chrysene	218-01-9	8270C	ND		410	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		410	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		410	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		410	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		410	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1000	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		410	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		410	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		410	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		410	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1000	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1000	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		410	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		410	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		410	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		410	ug/kg	1
Fluorene	86-73-7	8270C	ND		410	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		410	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		410	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1000	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		410	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		410	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS38**
Date Sampled: **05/24/2007 1420**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-012**
Matrix: **Solid**
% Solids: **80.0** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 2023	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		410	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		410	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		410	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		840	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		410	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		410	ug/kg	1
Naphthalene	91-20-3	8270C	ND		410	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		410	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		410	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		410	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		410	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		410	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1000	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1000	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		410	ug/kg	1
Phenol	108-95-2	8270C	ND		410	ug/kg	1
Pyrene	129-00-0	8270C	ND		410	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		410	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		410	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		68	30-117
2-Fluorobiphenyl		65	33-102
2-Fluorophenol		72	28-104
Nitrobenzene-d5		60	22-109
Phenol-d5		73	27-103
Terphenyl-d14		80	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS38**
Date Sampled: **05/24/2007 1420**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-012**
Matrix: **Solid**
% Solids: **80.0** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	06/01/2007 2304	NWD	05/29/2007 1356	58346

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		21	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		21	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		21	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		21	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		21	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		21	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		89	50-130
Tetrachloro-m-xylene		74	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS38**
Date Sampled: **05/24/2007 1420**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-012**
Matrix: **Solid**
% Solids: **80.0** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/05/2007 0309	LH	05/29/2007 1356	58347

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.1	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.1	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.1	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.1	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.1	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.1	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.1	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.1	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.1	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.1	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.1	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.1	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.1	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.1	ug/kg	1
Endrin	72-20-8	8081A	ND		2.1	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.1	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.1	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.1	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.1	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		8.4	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		100	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		72	50-130
Tetrachloro-m-xylene		70	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS38**
Date Sampled: **05/24/2007 1420**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-012**
Matrix: **Solid**
% Solids: **80.0** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 2012	NCM	05/30/2007 0945	58430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		8400	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		89	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS38**
Date Sampled: **05/24/2007 1420**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-012**
Matrix: **Solid**
% Solids: **80.0** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	06/04/2007 2258	JGR		58757

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5200	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		56	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS38**
Date Sampled: **05/24/2007 1420**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-012**
Matrix: **Solid**
% Solids: **80.0** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/29/2007 2358	FLW	05/29/2007 1858	58403
1	3050B	6010B	1	06/06/2007 2102	MNM	05/31/2007 1631	58579
2	3050B	6010B	1	06/07/2007 2116	KJC	05/31/2007 1631	58579

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**11000**		**12**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.62	mg/kg	2
Arsenic	**7440-38-2**	**6010B**	**1.2**		**0.62**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**15**		**1.6**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.25	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.12	mg/kg	1
Calcium	7440-70-2	6010B	ND		310	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**11**		**0.31**	**mg/kg**	**2**
Cobalt	7440-48-4	6010B	ND		1.6	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.6**		**0.31**	**mg/kg**	**2**
Iron	**7439-89-6**	**6010B**	**3300**		**6.2**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**4.0**		**0.62**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**410**		**310**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**11**		**0.94**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.10	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.5	mg/kg	1
Potassium	**7440-09-7**	**6010B**	**660**		**310**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.62	mg/kg	1
Silver	7440-22-4	6010B	ND		0.31	mg/kg	1
Sodium	**7440-23-5**	**6010B**	**550**		**310**	**mg/kg**	**1**
Thallium	7440-28-0	6010B	ND		3.1	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**12**		**3.1**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**34**		**3.1**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS39**
Date Sampled: **05/24/2007 1500**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-013**
Matrix: **Solid**
% Solids: **87.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	05/31/2007 1339	BMG	05/30/2007 1530	58512
1		(TOC) Walkley-Black	1	05/28/2007 1600	KLW		58476

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.57	mg/kg	1
TOC		Walkley-Black	ND		200	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS39**
Date Sampled: **05/24/2007 1500**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-013**
Matrix: **Solid**
% Solids: **87.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1253	CMS		58496	6.13

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		18	ug/kg	1
Benzene	71-43-2	8260B	ND		4.6	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.6	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.6	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.6	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.3	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.6	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.6	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.6	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.6	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.6	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.6	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.6	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.6	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.6	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.6	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.6	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.6	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.6	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.6	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.6	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.6	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.6	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.6	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.6	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.6	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.6	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.6	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.6	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.3	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.6	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.6	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.6	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.3	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.6	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.6	ug/kg	1
Styrene	100-42-5	8260B	ND		4.6	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.6	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.6	ug/kg	1
Toluene	108-88-3	8260B	ND		4.6	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.6	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.6	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.6	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.6	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.6	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.6	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS39**
Date Sampled: **05/24/2007 1500**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-013**
Matrix: **Solid**
% Solids: **87.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1253	CMS		58496	6.13

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		4.6	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.6	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS39**
Date Sampled: **05/24/2007 1500**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-013**
Matrix: **Solid**
% Solids: **87.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 2045	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	ug/kg	1
Acetophenone	98-86-2	8270C	ND		380	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	ug/kg	1
Atrazine	1912-24-9	8270C	ND		380	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		950	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		380	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	ug/kg	1
Caprolactam	105-60-2	8270C	ND		950	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		950	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		950	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		950	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		950	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS39**
Date Sampled: **05/24/2007 1500**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-013**
Matrix: **Solid**
% Solids: **87.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 2045	GLR	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		380	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		380	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		760	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		380	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		950	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		950	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	ug/kg	1
Phenol	108-95-2	8270C	ND		380	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		66	30-117
2-Fluorobiphenyl		55	33-102
2-Fluorophenol		62	28-104
Nitrobenzene-d5		52	22-109
Phenol-d5		65	27-103
Terphenyl-d14		83	41-120

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ND = Not detected at or above the PQL
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B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS39**
Date Sampled: **05/24/2007 1500**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-013**
Matrix: **Solid**
% Solids: **87.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	06/01/2007 2321	NWD	05/29/2007 1356	58346

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		95	50-130
Tetrachloro-m-xylene		70	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS39**
Date Sampled: **05/24/2007 1500**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-013**
Matrix: **Solid**
% Solids: **87.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/05/2007 0325	LH	05/29/2007 1356	58347

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		1.9	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		1.9	ug/kg	1
beta-BHC	319-85-7	8081A	ND		1.9	ug/kg	1
delta-BHC	319-86-8	8081A	ND		1.9	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		1.9	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		1.9	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		1.9	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		1.9	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		1.9	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		1.9	ug/kg	1
Dieldrin	60-57-1	8081A	ND		1.9	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		1.9	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		1.9	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		1.9	ug/kg	1
Endrin	72-20-8	8081A	ND		1.9	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		1.9	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		1.9	ug/kg	1
Heptachlor	76-44-8	8081A	ND		1.9	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		1.9	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.6	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		95	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		82	50-130
Tetrachloro-m-xylene		70	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS39**
Date Sampled: **05/24/2007 1500**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-013**
Matrix: **Solid**
% Solids: **87.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 2039	NCM	05/30/2007 0945	58430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		7600	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		84	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS39**
Date Sampled: **05/24/2007 1500**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-013**
Matrix: **Solid**
% Solids: **87.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	06/04/2007 2323	JGR		58757

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		5400	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		88	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-IS39**
Date Sampled: **05/24/2007 1500**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-013**
Matrix: **Solid**
% Solids: **87.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/29/2007 2359	FLW	05/29/2007 1858	58403
1	3050B	6010B	1	06/06/2007 2108	MNM	05/31/2007 1631	58579
2	3050B	6010B	1	06/07/2007 2123	KJC	05/31/2007 1631	58579

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**9900**		**11**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.57	mg/kg	2
Arsenic	**7440-38-2**	**6010B**	**0.67**		**0.57**	**mg/kg**	**1**
Barium	**7440-39-3**	**6010B**	**10**		**1.5**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.23	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.11	mg/kg	1
Calcium	7440-70-2	6010B	ND		280	mg/kg	1
Chromium	**7440-47-3**	**6010B**	**9.8**		**0.28**	**mg/kg**	**2**
Cobalt	7440-48-4	6010B	ND		1.5	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.4**		**0.28**	**mg/kg**	**2**
Iron	**7439-89-6**	**6010B**	**1900**		**5.7**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**5.2**		**0.57**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**320**		**280**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**14**		**0.86**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.095	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.3	mg/kg	1
Potassium	**7440-09-7**	**6010B**	**450**		**280**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.57	mg/kg	1
Silver	7440-22-4	6010B	ND		0.28	mg/kg	1
Sodium	**7440-23-5**	**6010B**	**330**		**280**	**mg/kg**	**1**
Thallium	7440-28-0	6010B	ND		2.8	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**11**		**2.8**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**35**		**2.8**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-DUP3**
Date Sampled: **05/24/2007**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-014**
Matrix: **Solid**
% Solids: **92.2** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1316	CMS		58496	5.62

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		19	ug/kg	1
Benzene	71-43-2	8260B	ND		4.8	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.8	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.8	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.8	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		9.6	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.8	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.8	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.8	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.8	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.8	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.8	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.8	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.8	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.8	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.8	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.8	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.8	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.8	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.8	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.8	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.8	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.8	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.8	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.8	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.8	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.8	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.8	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.8	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		9.6	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.8	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.8	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.8	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		9.6	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.8	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.8	ug/kg	1
Styrene	100-42-5	8260B	ND		4.8	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.8	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.8	ug/kg	1
Toluene	108-88-3	8260B	ND		4.8	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.8	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.8	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.8	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.8	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.8	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.8	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-DUP3**
Date Sampled: **05/24/2007**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-014**
Matrix: **Solid**
% Solids: **92.2** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1316	CMS		58496	5.62

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		4.8	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.8	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		97	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-DUP4**
Date Sampled: **05/24/2007**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-015**
Matrix: **Solid**
% Solids: **84.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1340	CMS		58496	5.66

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		21	ug/kg	1
Benzene	71-43-2	8260B	ND		5.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.2	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.2	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.2	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.2	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.2	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		10	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.2	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.2	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.2	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.2	ug/kg	1
Styrene	100-42-5	8260B	ND		5.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.2	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.2	ug/kg	1
Toluene	108-88-3	8260B	ND		5.2	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.2	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.2	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.2	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP06-DUP4**
Date Sampled: **05/24/2007**
Date Received: **05/25/2007**

Laboratory ID: **IE25018-015**
Matrix: **Solid**
% Solids: **84.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1340	CMS		58496	5.66

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		5.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		107	53-142
Bromofluorobenzene		105	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

QC Summary

Inorganic non-metals - MB

Sample ID: IQ58412-001
Batch: 58412
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 1230

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Cyanide - Total	ND		1	0.50	mg/kg	06/01/2007 0832

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCS

Sample ID: IQ58412-002
Batch: 58412
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 1230

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Cyanide - Total	5.0	4.6		1	92	90-110	06/01/2007 0906

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCSD

Sample ID: IQ58412-003
Batch: 58412
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 1230

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Cyanide - Total	5.0	4.9		1	98	6.5	90-110	20	06/01/2007 0833

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MB

Sample ID: IQ58476-001
Batch: 58476
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TOC	ND		1	200	mg/kg	05/28/2007 1600

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCS

Sample ID: IQ58476-002
Batch: 58476
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TOC	1000	1000		1	100	80-120	05/28/2007 1600

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCSD

Sample ID: IQ58476-003 **Matrix:** Solid
Batch: 58476
Analytical Method: Walkley-Black

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TOC	1000	1100		1	107	6.9	80-120	20	05/28/2007 1600

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MS

Sample ID: IE25018-001MS
Batch: 58476
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TOC	3400	990	3200	N	1	-22	70-130	05/28/2007 1600

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MSD

Sample ID: IE25018-001MD
Batch: 58476
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TOC	3400	990	3200	N	1	-20	0.78	70-130	20	05/28/2007 1600

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MB

Sample ID: IQ58509-001
Batch: 58509
Analytical Method: Walkley-Black
Matrix: Solid

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TOC	ND		1	200	mg/kg	05/28/2007 1600

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCS

Sample ID: IQ58509-002
Batch: 58509
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TOC	1000	1000		1	106	80-120	05/28/2007 1600

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCSD

Sample ID: IQ58509-003 **Matrix:** Solid
Batch: 58509
Analytical Method: Walkley-Black

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TOC	1000	1000		1	102	3.4	80-120	20	05/28/2007 1600

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MB

Sample ID: IQ58512-001
Batch: 58512
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/30/2007 1530

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Cyanide - Total	ND		1	0.50	mg/kg	05/31/2007 1327

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCS

Sample ID: IQ58512-002
Batch: 58512
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/30/2007 1530

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Cyanide - Total	5.0	5.1		1	103	90-110	05/31/2007 1328

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCSD

Sample ID: IQ58512-003
Batch: 58512
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/30/2007 1530

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Cyanide - Total	5.0	5.2		1	104	0.97	90-110	20	05/31/2007 1329

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MS

Sample ID: IE25018-012MS
Batch: 58512
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/30/2007 1530

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Cyanide - Total	ND	6.2	6.1		1	98	70-130	05/31/2007 1337

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MS

Sample ID: IE25018-013MS
Batch: 58512
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/30/2007 1530

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Cyanide - Total	ND	5.7	5.7		1	99	70-130	05/31/2007 1340

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MSD

Sample ID: IE25018-012MD
Batch: 58512
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/30/2007 1530

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Cyanide - Total	ND	6.2	6.2		1	99	1.1	70-130	20	05/31/2007 1338

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MSD

Sample ID: IE25018-013MD
Batch: 58512
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/30/2007 1530

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Cyanide - Total	ND	5.7	5.7		1	100	0.50	70-130	20	05/31/2007 1340

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - Duplicate

Sample ID: IE25018-011DU
Batch: 58512
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/30/2007 1530

Parameter	Sample Amount (mg/kg)	Result (mg/kg)	Q	Dil	% RPD	% RPD Limit	Analysis Date
Cyanide - Total	ND	ND		1	0.0	20	05/31/2007 1333

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58433-001
Batch: 58433
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/kg	05/30/2007 0104
Benzene	ND		1	5.0	ug/kg	05/30/2007 0104
Bromodichloromethane	ND		1	5.0	ug/kg	05/30/2007 0104
Bromoform	ND		1	5.0	ug/kg	05/30/2007 0104
Bromomethane (Methyl bromide)	ND		1	5.0	ug/kg	05/30/2007 0104
2-Butanone (MEK)	ND		1	10	ug/kg	05/30/2007 0104
Carbon disulfide	ND		1	5.0	ug/kg	05/30/2007 0104
Carbon tetrachloride	ND		1	5.0	ug/kg	05/30/2007 0104
Chlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0104
Chloroethane	ND		1	5.0	ug/kg	05/30/2007 0104
Chloroform	ND		1	5.0	ug/kg	05/30/2007 0104
Chloromethane (Methyl chloride)	ND		1	5.0	ug/kg	05/30/2007 0104
Cyclohexane	ND		1	5.0	ug/kg	05/30/2007 0104
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	ug/kg	05/30/2007 0104
Dibromochloromethane	ND		1	5.0	ug/kg	05/30/2007 0104
1,2-Dibromoethane (EDB)	ND		1	5.0	ug/kg	05/30/2007 0104
1,4-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0104
1,3-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0104
1,2-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0104
Dichlorodifluoromethane	ND		1	5.0	ug/kg	05/30/2007 0104
1,2-Dichloroethane	ND		1	5.0	ug/kg	05/30/2007 0104
1,1-Dichloroethane	ND		1	5.0	ug/kg	05/30/2007 0104
trans-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0104
1,1-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0104
cis-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0104
1,2-Dichloropropane	ND		1	5.0	ug/kg	05/30/2007 0104
trans-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/30/2007 0104
cis-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/30/2007 0104
Ethylbenzene	ND		1	5.0	ug/kg	05/30/2007 0104
2-Hexanone	ND		1	10	ug/kg	05/30/2007 0104
Isopropylbenzene	ND		1	5.0	ug/kg	05/30/2007 0104
Methyl acetate	ND		1	5.0	ug/kg	05/30/2007 0104
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	05/30/2007 0104
4-Methyl-2-pentanone	ND		1	10	ug/kg	05/30/2007 0104
Methylcyclohexane	ND		1	5.0	ug/kg	05/30/2007 0104
Methylene chloride	ND		1	5.0	ug/kg	05/30/2007 0104
Styrene	ND		1	5.0	ug/kg	05/30/2007 0104
1,1,2,2-Tetrachloroethane	ND		1	5.0	ug/kg	05/30/2007 0104
Tetrachloroethene	ND		1	5.0	ug/kg	05/30/2007 0104
Toluene	ND		1	5.0	ug/kg	05/30/2007 0104
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	ug/kg	05/30/2007 0104
1,2,4-Trichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0104
1,1,1-Trichloroethane	ND		1	5.0	ug/kg	05/30/2007 0104
1,1,2-Trichloroethane	ND		1	5.0	ug/kg	05/30/2007 0104
Trichloroethene	ND		1	5.0	ug/kg	05/30/2007 0104
Trichlorofluoromethane	ND		1	5.0	ug/kg	05/30/2007 0104

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58433-001
Batch: 58433
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Vinyl chloride	ND		1	5.0	ug/kg	05/30/2007 0104
Xylenes (total)	ND		1	5.0	ug/kg	05/30/2007 0104

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	47-138
1,2-Dichloroethane-d4		93	53-142
Toluene-d8		103	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58433-002
Batch: 58433
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	78		1	78	42-149	05/30/2007 0000
Benzene	50	45		1	91	69-123	05/30/2007 0000
Bromodichloromethane	50	43		1	87	69-121	05/30/2007 0000
Bromoform	50	42		1	84	61-119	05/30/2007 0000
Bromomethane (Methyl bromide)	50	49		1	99	35-144	05/30/2007 0000
2-Butanone (MEK)	100	91		1	91	57-148	05/30/2007 0000
Carbon disulfide	50	43		1	86	58-122	05/30/2007 0000
Carbon tetrachloride	50	45		1	90	58-136	05/30/2007 0000
Chlorobenzene	50	41		1	83	59-129	05/30/2007 0000
Chloroethane	50	50		1	99	50-132	05/30/2007 0000
Chloroform	50	46		1	92	71-125	05/30/2007 0000
Chloromethane (Methyl chloride)	50	37		1	75	34-134	05/30/2007 0000
Cyclohexane	50	43		1	87	53-139	05/30/2007 0000
1,2-Dibromo-3-chloropropane (DBCP)	50	41		1	82	55-125	05/30/2007 0000
Dibromochloromethane	50	44		1	87	66-119	05/30/2007 0000
1,2-Dibromoethane (EDB)	50	44		1	88	74-124	05/30/2007 0000
1,4-Dichlorobenzene	50	33		1	67	52-133	05/30/2007 0000
1,3-Dichlorobenzene	50	33		1	67	51-134	05/30/2007 0000
1,2-Dichlorobenzene	50	34		1	69	57-131	05/30/2007 0000
Dichlorodifluoromethane	50	37		1	75	10-157	05/30/2007 0000
1,2-Dichloroethane	50	44		1	88	67-129	05/30/2007 0000
1,1-Dichloroethane	50	46		1	93	71-127	05/30/2007 0000
trans-1,2-Dichloroethene	50	47		1	94	68-131	05/30/2007 0000
1,1-Dichloroethene	50	50		1	100	69-138	05/30/2007 0000
cis-1,2-Dichloroethene	50	45		1	90	70-122	05/30/2007 0000
1,2-Dichloropropane	50	45		1	91	72-124	05/30/2007 0000
trans-1,3-Dichloropropene	50	44		1	87	70-124	05/30/2007 0000
cis-1,3-Dichloropropene	50	44		1	88	70-126	05/30/2007 0000
Ethylbenzene	50	40		1	81	59-128	05/30/2007 0000
2-Hexanone	100	84		1	84	54-137	05/30/2007 0000
Isopropylbenzene	50	38		1	77	50-136	05/30/2007 0000
Methyl acetate	50	44		1	88	59-137	05/30/2007 0000
Methyl tertiary butyl ether (MTBE)	50	44		1	88	72-122	05/30/2007 0000
4-Methyl-2-pentanone	100	84		1	84	60-134	05/30/2007 0000
Methylcyclohexane	50	41		1	81	41-144	05/30/2007 0000
Methylene chloride	50	46		1	92	77-129	05/30/2007 0000
Styrene	50	40		1	80	54-136	05/30/2007 0000
1,1,2,2-Tetrachloroethane	50	43		1	86	69-132	05/30/2007 0000
Tetrachloroethene	50	41		1	81	50-115	05/30/2007 0000
Toluene	50	44		1	88	61-129	05/30/2007 0000
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	44		1	88	49-136	05/30/2007 0000
1,2,4-Trichlorobenzene	50	25		1	50	34-145	05/30/2007 0000
1,1,1-Trichloroethane	50	46		1	93	63-128	05/30/2007 0000
1,1,2-Trichloroethane	50	44		1	88	55-128	05/30/2007 0000
Trichloroethene	50	45		1	90	62-126	05/30/2007 0000
Trichlorofluoromethane	50	45		1	90	45-138	05/30/2007 0000

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58433-002
Batch: 58433
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl chloride	50	43		1	87	42-132	05/30/2007 0000
Xylenes (total)	100	79		1	79	58-128	05/30/2007 0000

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		104	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58433-003
Batch: 58433
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	89		1	89	13	42-149	20	05/30/2007 0021
Benzene	50	40		1	80	12	69-123	20	05/30/2007 0021
Bromodichloromethane	50	41		1	82	5.2	69-121	20	05/30/2007 0021
Bromoform	50	42		1	84	0.34	61-119	20	05/30/2007 0021
Bromomethane (Methyl bromide)	50	41		1	82	19	35-144	20	05/30/2007 0021
2-Butanone (MEK)	100	100		1	104	13	57-148	20	05/30/2007 0021
Carbon disulfide	50	39		1	77	10	58-122	20	05/30/2007 0021
Carbon tetrachloride	50	41		1	82	9.4	58-136	20	05/30/2007 0021
Chlorobenzene	50	34		1	68	20	59-129	20	05/30/2007 0021
Chloroethane	50	43		1	85	15	50-132	20	05/30/2007 0021
Chloroform	50	43		1	86	6.5	71-125	20	05/30/2007 0021
Chloromethane (Methyl chloride)	50	39		1	79	5.3	34-134	20	05/30/2007 0021
Cyclohexane	50	40		1	80	8.6	53-139	20	05/30/2007 0021
1,2-Dibromo-3-chloropropane (DBCP)	50	43		1	86	4.9	55-125	20	05/30/2007 0021
Dibromochloromethane	50	41		1	82	6.2	66-119	20	05/30/2007 0021
1,2-Dibromoethane (EDB)	50	44		1	88	0.76	74-124	20	05/30/2007 0021
1,4-Dichlorobenzene	50	25	N,+	1	50	28	52-133	20	05/30/2007 0021
1,3-Dichlorobenzene	50	25	N,+	1	50	28	51-134	20	05/30/2007 0021
1,2-Dichlorobenzene	50	27	N,+	1	54	23	57-131	20	05/30/2007 0021
Dichlorodifluoromethane	50	37		1	74	0.91	10-157	20	05/30/2007 0021
1,2-Dichloroethane	50	43		1	87	1.7	67-129	20	05/30/2007 0021
1,1-Dichloroethane	50	44		1	88	5.4	71-127	20	05/30/2007 0021
trans-1,2-Dichloroethene	50	43		1	85	9.3	68-131	20	05/30/2007 0021
1,1-Dichloroethene	50	46		1	91	9.6	69-138	20	05/30/2007 0021
cis-1,2-Dichloroethene	50	42		1	84	6.8	70-122	20	05/30/2007 0021
1,2-Dichloropropane	50	43		1	85	5.8	72-124	20	05/30/2007 0021
trans-1,3-Dichloropropene	50	41		1	81	7.1	70-124	20	05/30/2007 0021
cis-1,3-Dichloropropene	50	42		1	84	5.5	70-126	20	05/30/2007 0021
Ethylbenzene	50	32	+	1	64	24	59-128	20	05/30/2007 0021
2-Hexanone	100	90		1	90	7.0	54-137	20	05/30/2007 0021
Isopropylbenzene	50	29	+	1	59	27	50-136	20	05/30/2007 0021
Methyl acetate	50	49		1	98	11	59-137	20	05/30/2007 0021
Methyl tertiary butyl ether (MTBE)	50	46		1	92	4.1	72-122	20	05/30/2007 0021
4-Methyl-2-pentanone	100	92		1	92	8.2	60-134	20	05/30/2007 0021
Methylcyclohexane	50	36		1	72	12	41-144	20	05/30/2007 0021
Methylene chloride	50	44		1	88	3.7	77-129	20	05/30/2007 0021
Styrene	50	33		1	65	20	54-136	20	05/30/2007 0021
1,1,2,2-Tetrachloroethane	50	45		1	90	3.9	69-132	20	05/30/2007 0021
Tetrachloroethene	50	32	+	1	64	24	50-115	20	05/30/2007 0021
Toluene	50	37		1	74	17	61-129	20	05/30/2007 0021
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	42		1	84	4.6	49-136	20	05/30/2007 0021
1,2,4-Trichlorobenzene	50	21		1	42	18	34-145	20	05/30/2007 0021
1,1,1-Trichloroethane	50	44		1	87	6.3	63-128	20	05/30/2007 0021
1,1,2-Trichloroethane	50	43		1	85	3.6	55-128	20	05/30/2007 0021
Trichloroethene	50	39		1	78	14	62-126	20	05/30/2007 0021
Trichlorofluoromethane	50	29	+	1	58	44	45-138	20	05/30/2007 0021

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58433-003
Batch: 58433
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Vinyl chloride	50	42		1	84	3.1	42-132	20	05/30/2007 0021
Xylenes (total)	100	61	+	1	61	25	58-128	20	05/30/2007 0021

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		105	47-138
1,2-Dichloroethane-d4		95	53-142
Toluene-d8		103	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58496-001
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/kg	05/30/2007 0858
Benzene	ND		1	5.0	ug/kg	05/30/2007 0858
Bromodichloromethane	ND		1	5.0	ug/kg	05/30/2007 0858
Bromoform	ND		1	5.0	ug/kg	05/30/2007 0858
Bromomethane (Methyl bromide)	ND		1	5.0	ug/kg	05/30/2007 0858
2-Butanone (MEK)	ND		1	10	ug/kg	05/30/2007 0858
Carbon disulfide	ND		1	5.0	ug/kg	05/30/2007 0858
Carbon tetrachloride	ND		1	5.0	ug/kg	05/30/2007 0858
Chlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
Chloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
Chloroform	ND		1	5.0	ug/kg	05/30/2007 0858
Chloromethane (Methyl chloride)	ND		1	5.0	ug/kg	05/30/2007 0858
Cyclohexane	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	ug/kg	05/30/2007 0858
Dibromochloromethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dibromoethane (EDB)	ND		1	5.0	ug/kg	05/30/2007 0858
1,4-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
1,3-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
Dichlorodifluoromethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dichloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,1-Dichloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,1-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
cis-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
trans-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dichloropropane	ND		1	5.0	ug/kg	05/30/2007 0858
cis-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/30/2007 0858
trans-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/30/2007 0858
Ethylbenzene	ND		1	5.0	ug/kg	05/30/2007 0858
2-Hexanone	ND		1	10	ug/kg	05/30/2007 0858
Isopropylbenzene	ND		1	5.0	ug/kg	05/30/2007 0858
Methyl acetate	ND		1	5.0	ug/kg	05/30/2007 0858
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	05/30/2007 0858
4-Methyl-2-pentanone	ND		1	10	ug/kg	05/30/2007 0858
Methylcyclohexane	ND		1	5.0	ug/kg	05/30/2007 0858
Methylene chloride	ND		1	5.0	ug/kg	05/30/2007 0858
Styrene	ND		1	5.0	ug/kg	05/30/2007 0858
1,1,2,2-Tetrachloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
Tetrachloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
Toluene	ND		1	5.0	ug/kg	05/30/2007 0858
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,2,4-Trichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
1,1,2-Trichloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,1,1-Trichloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
Trichloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
Trichlorofluoromethane	ND		1	5.0	ug/kg	05/30/2007 0858

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58496-001
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Vinyl chloride	ND		1	5.0	ug/kg	05/30/2007 0858
Xylenes (total)	ND		1	5.0	ug/kg	05/30/2007 0858

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	47-138
1,2-Dichloroethane-d4		101	53-142
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58496-002
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	106	42-149	05/30/2007 0812
Benzene	50	50		1	100	69-123	05/30/2007 0812
Bromodichloromethane	50	52		1	104	69-121	05/30/2007 0812
Bromoform	50	46		1	93	61-119	05/30/2007 0812
Bromomethane (Methyl bromide)	50	46		1	93	35-144	05/30/2007 0812
2-Butanone (MEK)	100	100		1	105	57-148	05/30/2007 0812
Carbon disulfide	50	48		1	95	58-122	05/30/2007 0812
Carbon tetrachloride	50	55		1	110	58-136	05/30/2007 0812
Chlorobenzene	50	52		1	104	59-129	05/30/2007 0812
Chloroethane	50	46		1	92	50-132	05/30/2007 0812
Chloroform	50	54		1	107	71-125	05/30/2007 0812
Chloromethane (Methyl chloride)	50	45		1	90	34-134	05/30/2007 0812
Cyclohexane	50	54		1	107	53-139	05/30/2007 0812
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	55-125	05/30/2007 0812
Dibromochloromethane	50	49		1	98	66-119	05/30/2007 0812
1,2-Dibromoethane (EDB)	50	54		1	107	74-124	05/30/2007 0812
1,4-Dichlorobenzene	50	53		1	106	52-133	05/30/2007 0812
1,2-Dichlorobenzene	50	54		1	107	57-131	05/30/2007 0812
1,3-Dichlorobenzene	50	53		1	107	51-134	05/30/2007 0812
Dichlorodifluoromethane	50	46		1	91	10-157	05/30/2007 0812
1,2-Dichloroethane	50	57		1	113	67-129	05/30/2007 0812
1,1-Dichloroethane	50	53		1	106	71-127	05/30/2007 0812
1,1-Dichloroethene	50	54		1	108	69-138	05/30/2007 0812
cis-1,2-Dichloroethene	50	50		1	101	70-122	05/30/2007 0812
trans-1,2-Dichloroethene	50	52		1	104	68-131	05/30/2007 0812
1,2-Dichloropropane	50	53		1	105	72-124	05/30/2007 0812
cis-1,3-Dichloropropene	50	53		1	105	70-126	05/30/2007 0812
trans-1,3-Dichloropropene	50	54		1	108	70-124	05/30/2007 0812
Ethylbenzene	50	51		1	101	59-128	05/30/2007 0812
2-Hexanone	100	100		1	104	54-137	05/30/2007 0812
Isopropylbenzene	50	53		1	105	50-136	05/30/2007 0812
Methyl acetate	50	54		1	107	59-137	05/30/2007 0812
Methyl tertiary butyl ether (MTBE)	50	53		1	107	72-122	05/30/2007 0812
4-Methyl-2-pentanone	100	100		1	106	60-134	05/30/2007 0812
Methylcyclohexane	50	51		1	102	41-144	05/30/2007 0812
Methylene chloride	50	55		1	110	77-129	05/30/2007 0812
Styrene	50	52		1	103	54-136	05/30/2007 0812
1,1,2,2-Tetrachloroethane	50	55		1	109	69-132	05/30/2007 0812
Tetrachloroethene	50	50		1	101	50-115	05/30/2007 0812
Toluene	50	50		1	100	61-129	05/30/2007 0812
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	101	49-136	05/30/2007 0812
1,2,4-Trichlorobenzene	50	53		1	105	34-145	05/30/2007 0812
1,1,2-Trichloroethane	50	53		1	106	55-128	05/30/2007 0812
1,1,1-Trichloroethane	50	52		1	104	63-128	05/30/2007 0812
Trichloroethene	50	50		1	100	62-126	05/30/2007 0812
Trichlorofluoromethane	50	52		1	104	45-138	05/30/2007 0812

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58496-002
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl chloride	50	44		1	88	42-132	05/30/2007 0812
Xylenes (total)	100	100		1	101	58-128	05/30/2007 0812

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	47-138
1,2-Dichloroethane-d4		106	53-142
Toluene-d8		102	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58496-003
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	91		1	91	15	42-149	20	05/30/2007 0835
Benzene	50	50		1	99	1.3	69-123	20	05/30/2007 0835
Bromodichloromethane	50	51		1	102	1.5	69-121	20	05/30/2007 0835
Bromoform	50	46		1	92	1.5	61-119	20	05/30/2007 0835
Bromomethane (Methyl bromide)	50	45		1	90	2.7	35-144	20	05/30/2007 0835
2-Butanone (MEK)	100	94		1	94	10	57-148	20	05/30/2007 0835
Carbon disulfide	50	47		1	94	1.7	58-122	20	05/30/2007 0835
Carbon tetrachloride	50	54		1	109	0.94	58-136	20	05/30/2007 0835
Chlorobenzene	50	50		1	101	2.7	59-129	20	05/30/2007 0835
Chloroethane	50	46		1	92	0.15	50-132	20	05/30/2007 0835
Chloroform	50	52		1	105	1.9	71-125	20	05/30/2007 0835
Chloromethane (Methyl chloride)	50	44		1	89	1.5	34-134	20	05/30/2007 0835
Cyclohexane	50	52		1	105	2.2	53-139	20	05/30/2007 0835
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	87	9.5	55-125	20	05/30/2007 0835
Dibromochloromethane	50	48		1	97	1.5	66-119	20	05/30/2007 0835
1,2-Dibromoethane (EDB)	50	51		1	103	4.2	74-124	20	05/30/2007 0835
1,4-Dichlorobenzene	50	51		1	103	3.2	52-133	20	05/30/2007 0835
1,2-Dichlorobenzene	50	52		1	104	3.0	57-131	20	05/30/2007 0835
1,3-Dichlorobenzene	50	52		1	104	2.3	51-134	20	05/30/2007 0835
Dichlorodifluoromethane	50	43		1	87	4.7	10-157	20	05/30/2007 0835
1,2-Dichloroethane	50	55		1	110	3.0	67-129	20	05/30/2007 0835
1,1-Dichloroethane	50	52		1	103	2.5	71-127	20	05/30/2007 0835
1,1-Dichloroethene	50	53		1	106	2.3	69-138	20	05/30/2007 0835
cis-1,2-Dichloroethene	50	49		1	98	2.9	70-122	20	05/30/2007 0835
trans-1,2-Dichloroethene	50	50		1	100	3.1	68-131	20	05/30/2007 0835
1,2-Dichloropropane	50	52		1	103	2.0	72-124	20	05/30/2007 0835
cis-1,3-Dichloropropene	50	52		1	104	1.8	70-126	20	05/30/2007 0835
trans-1,3-Dichloropropene	50	52		1	104	3.9	70-124	20	05/30/2007 0835
Ethylbenzene	50	49		1	98	3.3	59-128	20	05/30/2007 0835
2-Hexanone	100	93		1	93	12	54-137	20	05/30/2007 0835
Isopropylbenzene	50	52		1	105	0.20	50-136	20	05/30/2007 0835
Methyl acetate	50	49		1	98	9.1	59-137	20	05/30/2007 0835
Methyl tertiary butyl ether (MTBE)	50	50		1	101	5.6	72-122	20	05/30/2007 0835
4-Methyl-2-pentanone	100	97		1	97	8.6	60-134	20	05/30/2007 0835
Methylcyclohexane	50	50		1	100	2.6	41-144	20	05/30/2007 0835
Methylene chloride	50	55		1	110	0.47	77-129	20	05/30/2007 0835
Styrene	50	50		1	101	2.4	54-136	20	05/30/2007 0835
1,1,2,2-Tetrachloroethane	50	51		1	102	6.3	69-132	20	05/30/2007 0835
Tetrachloroethene	50	49		1	98	2.7	50-115	20	05/30/2007 0835
Toluene	50	49		1	98	2.0	61-129	20	05/30/2007 0835
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	96	5.1	49-136	20	05/30/2007 0835
1,2,4-Trichlorobenzene	50	48		1	96	9.4	34-145	20	05/30/2007 0835
1,1,2-Trichloroethane	50	52		1	103	2.9	55-128	20	05/30/2007 0835
1,1,1-Trichloroethane	50	51		1	102	1.2	63-128	20	05/30/2007 0835
Trichloroethene	50	50		1	99	0.33	62-126	20	05/30/2007 0835
Trichlorofluoromethane	50	51		1	102	2.5	45-138	20	05/30/2007 0835

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58496-003
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Vinyl chloride	50	45		1	90	1.8	42-132	20	05/30/2007 0835
Xylenes (total)	100	99		1	99	1.8	58-128	20	05/30/2007 0835

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	47-138
1,2-Dichloroethane-d4		102	53-142
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: IQ58522-001
Batch: 58522
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/31/2007 1335

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acenaphthene	ND		1	330	ug/kg	06/01/2007 1334
Acenaphthylene	ND		1	330	ug/kg	06/01/2007 1334
Acetophenone	ND		1	330	ug/kg	06/01/2007 1334
Anthracene	ND		1	330	ug/kg	06/01/2007 1334
Atrazine	ND		1	330	ug/kg	06/01/2007 1334
Benzaldehyde	ND		1	830	ug/kg	06/01/2007 1334
Benzo(a)anthracene	ND		1	330	ug/kg	06/01/2007 1334
Benzo(a)pyrene	ND		1	330	ug/kg	06/01/2007 1334
Benzo(b)fluoranthene	ND		1	330	ug/kg	06/01/2007 1334
Benzo(g,h,i)perylene	ND		1	330	ug/kg	06/01/2007 1334
Benzo(k)fluoranthene	ND		1	330	ug/kg	06/01/2007 1334
1,1'-Biphenyl	ND		1	330	ug/kg	06/01/2007 1334
4-Bromophenyl phenyl ether	ND		1	330	ug/kg	06/01/2007 1334
Butyl benzyl phthalate	ND		1	330	ug/kg	06/01/2007 1334
Caprolactam	ND		1	830	ug/kg	06/01/2007 1334
Carbazole	ND		1	330	ug/kg	06/01/2007 1334
4-Chloro-3-methyl phenol	ND		1	330	ug/kg	06/01/2007 1334
4-Chloroaniline	ND		1	330	ug/kg	06/01/2007 1334
bis(2-Chloroethoxy)methane	ND		1	330	ug/kg	06/01/2007 1334
bis(2-Chloroethyl)ether	ND		1	330	ug/kg	06/01/2007 1334
bis(2-Chloroisopropyl)ether	ND		1	330	ug/kg	06/01/2007 1334
2-Chloronaphthalene	ND		1	330	ug/kg	06/01/2007 1334
2-Chlorophenol	ND		1	330	ug/kg	06/01/2007 1334
4-Chlorophenyl phenyl ether	ND		1	330	ug/kg	06/01/2007 1334
Chrysene	ND		1	330	ug/kg	06/01/2007 1334
Dibenzo(a,h)anthracene	ND		1	330	ug/kg	06/01/2007 1334
Dibenzofuran	ND		1	330	ug/kg	06/01/2007 1334
3,3'-Dichlorobenzidine	ND		1	830	ug/kg	06/01/2007 1334
2,4-Dichlorophenol	ND		1	330	ug/kg	06/01/2007 1334
Diethylphthalate	ND		1	330	ug/kg	06/01/2007 1334
Dimethyl phthalate	ND		1	330	ug/kg	06/01/2007 1334
2,4-Dimethylphenol	ND		1	330	ug/kg	06/01/2007 1334
Di-n-butyl phthalate	ND		1	330	ug/kg	06/01/2007 1334
4,6-Dinitro-2-methylphenol	ND		1	830	ug/kg	06/01/2007 1334
2,4-Dinitrophenol	ND		1	830	ug/kg	06/01/2007 1334
2,4-Dinitrotoluene	ND		1	330	ug/kg	06/01/2007 1334
2,6-Dinitrotoluene	ND		1	330	ug/kg	06/01/2007 1334
Di-n-octylphthalate	ND		1	330	ug/kg	06/01/2007 1334
bis(2-Ethylhexyl)phthalate	ND		1	330	ug/kg	06/01/2007 1334
Fluoranthene	ND		1	330	ug/kg	06/01/2007 1334
Fluorene	ND		1	330	ug/kg	06/01/2007 1334
Hexachlorobenzene	ND		1	330	ug/kg	06/01/2007 1334
Hexachlorobutadiene	ND		1	330	ug/kg	06/01/2007 1334
Hexachlorocyclopentadiene	ND		1	830	ug/kg	06/01/2007 1334
Hexachloroethane	ND		1	330	ug/kg	06/01/2007 1334
Indeno(1,2,3-c,d)pyrene	ND		1	330	ug/kg	06/01/2007 1334

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: IQ58522-001
Batch: 58522
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/31/2007 1335

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Isophorone	ND		1	330	ug/kg	06/01/2007 1334
2-Methylnaphthalene	ND		1	330	ug/kg	06/01/2007 1334
3 & 4-Methylphenol	ND		1	670	ug/kg	06/01/2007 1334
2-Methylphenol	ND		1	330	ug/kg	06/01/2007 1334
Naphthalene	ND		1	330	ug/kg	06/01/2007 1334
3-Nitroaniline	ND		1	330	ug/kg	06/01/2007 1334
4-Nitroaniline	ND		1	330	ug/kg	06/01/2007 1334
2-Nitroaniline	ND		1	330	ug/kg	06/01/2007 1334
Nitrobenzene	ND		1	330	ug/kg	06/01/2007 1334
2-Nitrophenol	ND		1	330	ug/kg	06/01/2007 1334
4-Nitrophenol	ND		1	830	ug/kg	06/01/2007 1334
N-Nitrosodi-n-propylamine	ND		1	330	ug/kg	06/01/2007 1334
N-Nitrosodiphenylamine/Diphenylamine	ND		1	330	ug/kg	06/01/2007 1334
Pentachlorophenol	ND		1	830	ug/kg	06/01/2007 1334
Phenanthrene	ND		1	330	ug/kg	06/01/2007 1334
Phenol	ND		1	330	ug/kg	06/01/2007 1334
Pyrene	ND		1	330	ug/kg	06/01/2007 1334
2,4,6-Trichlorophenol	ND		1	330	ug/kg	06/01/2007 1334
2,4,5-Trichlorophenol	ND		1	330	ug/kg	06/01/2007 1334

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		77	30-117
2-Fluorobiphenyl		72	33-102
2-Fluorophenol		81	28-104
Nitrobenzene-d5		75	22-109
Phenol-d5		79	27-103
Terphenyl-d14		86	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58522-002
Batch: 58522
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/31/2007 1335

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	3300	2800		1	83	30-130	06/01/2007 1500
Acenaphthylene	3300	2600		1	78	30-130	06/01/2007 1500
Anthracene	3300	3100		1	93	30-130	06/01/2007 1500
Benzo(a)anthracene	3300	3300		1	98	30-130	06/01/2007 1500
Benzo(a)pyrene	3300	3500		1	106	30-130	06/01/2007 1500
Benzo(b)fluoranthene	3300	3400		1	103	30-130	06/01/2007 1500
Benzo(g,h,i)perylene	3300	3600		1	109	30-130	06/01/2007 1500
Benzo(k)fluoranthene	3300	3100		1	94	30-130	06/01/2007 1500
4-Bromophenyl phenyl ether	3300	3000		1	90	30-130	06/01/2007 1500
Butyl benzyl phthalate	3300	3100		1	92	30-130	06/01/2007 1500
Carbazole	3300	4000		1	119	30-130	06/01/2007 1500
4-Chloro-3-methyl phenol	3300	3100		1	94	30-130	06/01/2007 1500
4-Chloroaniline	3300	1300		1	40	10-130	06/01/2007 1500
bis(2-Chloroethoxy)methane	3300	2300		1	70	30-130	06/01/2007 1500
bis(2-Chloroethyl)ether	3300	1800		1	55	30-130	06/01/2007 1500
bis(2-Chloroisopropyl)ether	3300	1800		1	54	30-130	06/01/2007 1500
2-Chloronaphthalene	3300	2600		1	77	30-130	06/01/2007 1500
2-Chlorophenol	3300	2100		1	64	30-130	06/01/2007 1500
4-Chlorophenyl phenyl ether	3300	2900		1	86	30-130	06/01/2007 1500
Chrysene	3300	3100		1	93	30-130	06/01/2007 1500
Dibenzo(a,h)anthracene	3300	4000		1	121	30-130	06/01/2007 1500
Dibenzofuran	3300	2800		1	85	30-130	06/01/2007 1500
2,4-Dichlorophenol	3300	2600		1	77	30-130	06/01/2007 1500
Diethylphthalate	3300	3200		1	97	30-130	06/01/2007 1500
Dimethyl phthalate	3300	3100		1	92	30-130	06/01/2007 1500
2,4-Dimethylphenol	3300	2100		1	63	30-130	06/01/2007 1500
Di-n-butyl phthalate	3300	3200		1	97	30-130	06/01/2007 1500
4,6-Dinitro-2-methylphenol	17000	20000		1	121	30-130	06/01/2007 1500
2,4-Dinitrophenol	17000	19000		1	113	30-130	06/01/2007 1500
2,4-Dinitrotoluene	6700	6800		1	103	30-130	06/01/2007 1500
2,6-Dinitrotoluene	6700	6400		1	96	30-130	06/01/2007 1500
Di-n-octylphthalate	3300	3000		1	92	30-130	06/01/2007 1500
bis(2-Ethylhexyl)phthalate	3300	2900		1	87	30-130	06/01/2007 1500
Fluoranthene	3300	3100		1	92	30-130	06/01/2007 1500
Fluorene	3300	3000		1	90	30-130	06/01/2007 1500
Hexachlorobenzene	3300	3000		1	90	30-130	06/01/2007 1500
Hexachlorobutadiene	3300	1900		1	56	30-130	06/01/2007 1500
Hexachlorocyclopentadiene	17000	10000		1	61	30-130	06/01/2007 1500
Hexachloroethane	3300	1400		1	42	30-130	06/01/2007 1500
Indeno(1,2,3-c,d)pyrene	3300	3800		1	113	30-130	06/01/2007 1500
Isophorone	3300	2200		1	66	30-130	06/01/2007 1500
2-Methylnaphthalene	3300	2400		1	71	30-130	06/01/2007 1500
3 & 4-Methylphenol	6700	4500		1	67	30-130	06/01/2007 1500
2-Methylphenol	3300	2100		1	64	30-130	06/01/2007 1500
Naphthalene	3300	2000		1	58	30-130	06/01/2007 1500
3-Nitroaniline	6700	5800		1	87	30-130	06/01/2007 1500

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58522-002
Batch: 58522
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/31/2007 1335

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4-Nitroaniline	6700	7500		1	112	30-130	06/01/2007 1500
2-Nitroaniline	6700	6300		1	94	30-130	06/01/2007 1500
Nitrobenzene	3300	2100		1	64	30-130	06/01/2007 1500
2-Nitrophenol	6700	4600		1	69	30-130	06/01/2007 1500
4-Nitrophenol	17000	18000		1	107	30-130	06/01/2007 1500
N-Nitrosodi-n-propylamine	3300	2300		1	69	30-130	06/01/2007 1500
N-Nitrosodiphenylamine/Diphenylamine	3300	3200		1	95	30-130	06/01/2007 1500
Pentachlorophenol	17000	14000		1	86	30-130	06/01/2007 1500
Phenanthrene	3300	3100		1	93	30-130	06/01/2007 1500
Phenol	3300	2100		1	62	30-130	06/01/2007 1500
Pyrene	3300	3000		1	90	30-130	06/01/2007 1500
2,4,6-Trichlorophenol	3300	2900		1	86	30-130	06/01/2007 1500
2,4,5-Trichlorophenol	3300	3000		1	90	30-130	06/01/2007 1500

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		93	30-117
2-Fluorobiphenyl		72	33-102
2-Fluorophenol		63	28-104
Nitrobenzene-d5		66	22-109
Phenol-d5		71	27-103
Terphenyl-d14		94	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: IE25018-001MS
Batch: 58522
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/31/2007 1335

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	ND	3800	3200		1	84	30-130	06/01/2007 1605
Acenaphthylene	ND	3800	3000		1	80	30-130	06/01/2007 1605
Anthracene	ND	3800	3600		1	94	30-130	06/01/2007 1605
Benzo(a)anthracene	ND	3800	3600		1	95	30-130	06/01/2007 1605
Benzo(a)pyrene	ND	3800	3900		1	102	30-130	06/01/2007 1605
Benzo(b)fluoranthene	ND	3800	3800		1	99	30-130	06/01/2007 1605
Benzo(g,h,i)perylene	ND	3800	3900		1	101	30-130	06/01/2007 1605
Benzo(k)fluoranthene	ND	3800	3600		1	95	30-130	06/01/2007 1605
4-Bromophenyl phenyl ether	ND	3800	3400		1	88	30-130	06/01/2007 1605
Butyl benzyl phthalate	ND	3800	3400		1	90	30-130	06/01/2007 1605
Carbazole	ND	3800	4700		1	124	30-130	06/01/2007 1605
4-Chloro-3-methyl phenol	ND	3800	3700		1	97	30-130	06/01/2007 1605
4-Chloroaniline	ND	3800	1600		1	43	10-130	06/01/2007 1605
bis(2-Chloroethoxy)methane	ND	3800	2800		1	73	30-130	06/01/2007 1605
bis(2-Chloroethyl)ether	ND	3800	2400		1	62	30-130	06/01/2007 1605
bis(2-Chloroisopropyl)ether	ND	3800	2300		1	60	30-130	06/01/2007 1605
2-Chloronaphthalene	ND	3800	3000		1	79	30-130	06/01/2007 1605
2-Chlorophenol	ND	3800	2700		1	72	30-130	06/01/2007 1605
4-Chlorophenyl phenyl ether	ND	3800	3300		1	87	30-130	06/01/2007 1605
Chrysene	ND	3800	3500		1	92	30-130	06/01/2007 1605
Dibenzo(a,h)anthracene	ND	3800	4400		1	116	30-130	06/01/2007 1605
Dibenzofuran	ND	3800	3300		1	86	30-130	06/01/2007 1605
2,4-Dichlorophenol	ND	3800	3000		1	80	30-130	06/01/2007 1605
Diethylphthalate	ND	3800	3700		1	98	30-130	06/01/2007 1605
Dimethyl phthalate	ND	3800	3400		1	90	30-130	06/01/2007 1605
2,4-Dimethylphenol	ND	3800	2600		1	69	30-130	06/01/2007 1605
Di-n-butyl phthalate	ND	3800	3600		1	96	30-130	06/01/2007 1605
4,6-Dinitro-2-methylphenol	ND	19000	22000		1	116	30-130	06/01/2007 1605
2,4-Dinitrophenol	ND	19000	21000		1	110	30-130	06/01/2007 1605
2,4-Dinitrotoluene	ND	7600	7700		1	101	30-130	06/01/2007 1605
2,6-Dinitrotoluene	ND	7600	7300		1	96	30-130	06/01/2007 1605
Di-n-octylphthalate	ND	3800	3800		1	99	30-130	06/01/2007 1605
bis(2-Ethylhexyl)phthalate	ND	3800	3300		1	86	30-130	06/01/2007 1605
Fluoranthene	ND	3800	3500		1	91	30-130	06/01/2007 1605
Fluorene	ND	3800	3400		1	89	30-130	06/01/2007 1605
Hexachlorobenzene	ND	3800	3400		1	89	30-130	06/01/2007 1605
Hexachlorobutadiene	ND	3800	2400		1	62	30-130	06/01/2007 1605
Hexachlorocyclopentadiene	ND	19000	11000		1	58	30-130	06/01/2007 1605
Hexachloroethane	ND	3800	1800		1	49	30-130	06/01/2007 1605
Indeno(1,2,3-c,d)pyrene	ND	3800	4200		1	112	30-130	06/01/2007 1605
Isophorone	ND	3800	2600		1	68	30-130	06/01/2007 1605
2-Methylnaphthalene	ND	3800	2800		1	75	30-130	06/01/2007 1605
3 & 4-Methylphenol	ND	7600	5600		1	74	30-130	06/01/2007 1605
2-Methylphenol	ND	3800	2700		1	72	30-130	06/01/2007 1605
Naphthalene	ND	3800	2400		1	63	30-130	06/01/2007 1605
3-Nitroaniline	ND	7600	6600		1	87	30-130	06/01/2007 1605

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MS

Sample ID: IE25018-001MS
Batch: 58522
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/31/2007 1335

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4-Nitroaniline	ND	7600	8700		1	114	30-130	06/01/2007 1605
2-Nitroaniline	ND	7600	7100		1	94	30-130	06/01/2007 1605
Nitrobenzene	ND	3800	2700		1	71	30-130	06/01/2007 1605
2-Nitrophenol	ND	7600	5600		1	73	30-130	06/01/2007 1605
4-Nitrophenol	ND	19000	20000		1	108	30-130	06/01/2007 1605
N-Nitrosodi-n-propylamine	ND	3800	2800		1	73	30-130	06/01/2007 1605
N-Nitrosodiphenylamine/Diphenylamine	ND	3800	3500		1	92	30-130	06/01/2007 1605
Pentachlorophenol	ND	19000	17000		1	89	30-130	06/01/2007 1605
Phenanthrene	ND	3800	3500		1	92	30-130	06/01/2007 1605
Phenol	ND	3800	2600		1	69	30-130	06/01/2007 1605
Pyrene	ND	3800	3300		1	86	30-130	06/01/2007 1605
2,4,6-Trichlorophenol	ND	3800	3400		1	90	30-130	06/01/2007 1605
2,4,5-Trichlorophenol	ND	3800	3600		1	94	30-130	06/01/2007 1605

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		93	30-117
2-Fluorobiphenyl		73	33-102
2-Fluorophenol		70	28-104
Nitrobenzene-d5		70	22-109
Phenol-d5		77	27-103
Terphenyl-d14		91	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: IE25018-001MD
Batch: 58522
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/31/2007 1335

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acenaphthene	ND	3800	3200		1	84	0.95	30-130	40	06/01/2007 1626
Acenaphthylene	ND	3800	3000		1	80	0.26	30-130	40	06/01/2007 1626
Anthracene	ND	3800	3500		1	91	3.2	30-130	40	06/01/2007 1626
Benzo(a)anthracene	ND	3800	3600		1	95	0.25	30-130	40	06/01/2007 1626
Benzo(a)pyrene	ND	3800	3900		1	104	1.9	30-130	40	06/01/2007 1626
Benzo(b)fluoranthene	ND	3800	3900		1	103	4.5	30-130	40	06/01/2007 1626
Benzo(g,h,i)perylene	ND	3800	4100		1	106	4.9	30-130	40	06/01/2007 1626
Benzo(k)fluoranthene	ND	3800	3400		1	89	7.0	30-130	40	06/01/2007 1626
4-Bromophenyl phenyl ether	ND	3800	3400		1	89	0.78	30-130	40	06/01/2007 1626
Butyl benzyl phthalate	ND	3800	3400		1	89	0.91	30-130	40	06/01/2007 1626
Carbazole	ND	3800	4700		1	123	0.71	30-130	40	06/01/2007 1626
4-Chloro-3-methyl phenol	ND	3800	3700		1	98	0.82	30-130	40	06/01/2007 1626
4-Chloroaniline	ND	3800	1600		1	43	0.96	10-130	40	06/01/2007 1626
bis(2-Chloroethoxy)methane	ND	3800	2800		1	72	1.3	30-130	40	06/01/2007 1626
bis(2-Chloroethyl)ether	ND	3800	2400		1	63	1.0	30-130	40	06/01/2007 1626
bis(2-Chloroisopropyl)ether	ND	3800	2200		1	59	2.1	30-130	40	06/01/2007 1626
2-Chloronaphthalene	ND	3800	3000		1	80	1.2	30-130	40	06/01/2007 1626
2-Chlorophenol	ND	3800	2700		1	71	0.80	30-130	40	06/01/2007 1626
4-Chlorophenyl phenyl ether	ND	3800	3300		1	88	0.90	30-130	40	06/01/2007 1626
Chrysene	ND	3800	3500		1	93	1.1	30-130	40	06/01/2007 1626
Dibenzo(a,h)anthracene	ND	3800	4300		1	113	3.0	30-130	40	06/01/2007 1626
Dibenzofuran	ND	3800	3300		1	86	0.61	30-130	40	06/01/2007 1626
2,4-Dichlorophenol	ND	3800	3100		1	81	1.8	30-130	40	06/01/2007 1626
Diethylphthalate	ND	3800	3600		1	96	1.8	30-130	40	06/01/2007 1626
Dimethyl phthalate	ND	3800	3400		1	90	0.21	30-130	40	06/01/2007 1626
2,4-Dimethylphenol	ND	3800	2600		1	68	1.4	30-130	40	06/01/2007 1626
Di-n-butyl phthalate	ND	3800	3600		1	94	2.4	30-130	40	06/01/2007 1626
4,6-Dinitro-2-methylphenol	ND	19000	22000		1	115	0.88	30-130	40	06/01/2007 1626
2,4-Dinitrophenol	ND	19000	22000		1	113	2.7	30-130	40	06/01/2007 1626
2,4-Dinitrotoluene	ND	7600	7600		1	99	2.0	30-130	40	06/01/2007 1626
2,6-Dinitrotoluene	ND	7600	7200		1	94	1.4	30-130	40	06/01/2007 1626
Di-n-octylphthalate	ND	3800	3500		1	91	8.3	30-130	40	06/01/2007 1626
bis(2-Ethylhexyl)phthalate	ND	3800	3200		1	84	2.4	30-130	40	06/01/2007 1626
Fluoranthene	ND	3800	3400		1	90	1.6	30-130	40	06/01/2007 1626
Fluorene	ND	3800	3400		1	89	0.22	30-130	40	06/01/2007 1626
Hexachlorobenzene	ND	3800	3400		1	90	1.1	30-130	40	06/01/2007 1626
Hexachlorobutadiene	ND	3800	2300		1	61	1.0	30-130	40	06/01/2007 1626
Hexachlorocyclopentadiene	ND	19000	12000		1	63	7.7	30-130	40	06/01/2007 1626
Hexachloroethane	ND	3800	1800		1	48	0.49	30-130	40	06/01/2007 1626
Indeno(1,2,3-c,d)pyrene	ND	3800	4300		1	112	0.83	30-130	40	06/01/2007 1626
Isophorone	ND	3800	2500		1	67	1.7	30-130	40	06/01/2007 1626
2-Methylnaphthalene	ND	3800	2800		1	74	1.1	30-130	40	06/01/2007 1626
3 & 4-Methylphenol	ND	7600	5600		1	74	0.39	30-130	40	06/01/2007 1626
2-Methylphenol	ND	3800	2800		1	73	1.2	30-130	40	06/01/2007 1626
Naphthalene	ND	3800	2400		1	62	1.3	30-130	40	06/01/2007 1626
3-Nitroaniline	ND	7600	6500		1	86	0.89	30-130	40	06/01/2007 1626

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MSD

Sample ID: IE25018-001MD
Batch: 58522
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/31/2007 1335

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
4-Nitroaniline	ND	7600	8200		1	108	6.1	30-130	40	06/01/2007 1626
2-Nitroaniline	ND	7600	7400		1	96	3.0	30-130	40	06/01/2007 1626
Nitrobenzene	ND	3800	2700		1	70	1.0	30-130	40	06/01/2007 1626
2-Nitrophenol	ND	7600	5600		1	73	0.18	30-130	40	06/01/2007 1626
4-Nitrophenol	ND	19000	20000		1	104	3.6	30-130	40	06/01/2007 1626
N-Nitrosodi-n-propylamine	ND	3800	2700		1	72	0.97	30-130	40	06/01/2007 1626
N-Nitrosodiphenylamine/Diphenylamine	ND	3800	3500		1	92	0.12	30-130	40	06/01/2007 1626
Pentachlorophenol	ND	19000	17000		1	90	1.4	30-130	40	06/01/2007 1626
Phenanthrene	ND	3800	3500		1	91	0.95	30-130	40	06/01/2007 1626
Phenol	ND	3800	2600		1	69	0.35	30-130	40	06/01/2007 1626
Pyrene	ND	3800	3300		1	85	1.0	30-130	40	06/01/2007 1626
2,4,6-Trichlorophenol	ND	3800	3400		1	90	0.46	30-130	40	06/01/2007 1626
2,4,5-Trichlorophenol	ND	3800	3600		1	94	0.56	30-130	40	06/01/2007 1626

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		92	30-117
2-Fluorobiphenyl		74	33-102
2-Fluorophenol		72	28-104
Nitrobenzene-d5		67	22-109
Phenol-d5		77	27-103
Terphenyl-d14		90	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

PCBs by GC - MB

Sample ID: IQ58346-001
Batch: 58346
Analytical Method: 8082

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 1356

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aroclor 1016	ND		1	17	ug/kg	06/01/2007 1852
Aroclor 1221	ND		1	17	ug/kg	06/01/2007 1852
Aroclor 1232	ND		1	17	ug/kg	06/01/2007 1852
Aroclor 1242	ND		1	17	ug/kg	06/01/2007 1852
Aroclor 1248	ND		1	17	ug/kg	06/01/2007 1852
Aroclor 1254	ND		1	17	ug/kg	06/01/2007 1852
Aroclor 1260	ND		1	17	ug/kg	06/01/2007 1852

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		106	50-130
Tetrachloro-m-xylene		82	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

PCBs by GC - LCS

Sample ID: IQ58346-002
Batch: 58346
Analytical Method: 8082

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 1356

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aroclor 1016	83	73		1	87	42-149	06/01/2007 1909
Aroclor 1260	83	78		1	94	34-160	06/01/2007 1909

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		103	50-130
Tetrachloro-m-xylene		87	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

PCBs by GC - LCSD

Sample ID: IQ58346-003
Batch: 58346
Analytical Method: 8082

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 1356

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aroclor 1016	83	71		1	86	1.6	42-149	30	06/01/2007 1926
Aroclor 1260	83	77		1	93	0.72	34-160	30	06/01/2007 1926

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		101	50-130
Tetrachloro-m-xylene		82	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Organochlorine Pesticides by GC - MB

Sample ID: IQ58347-001
Batch: 58347
Analytical Method: 8081A

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 1356

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aldrin	ND		1	1.7	ug/kg	06/04/2007 2327
alpha-BHC	ND		1	1.7	ug/kg	06/04/2007 2327
beta-BHC	ND		1	1.7	ug/kg	06/04/2007 2327
delta-BHC	ND		1	1.7	ug/kg	06/04/2007 2327
gamma-BHC (Lindane)	ND		1	1.7	ug/kg	06/04/2007 2327
alpha-Chlordane	ND		1	1.7	ug/kg	06/04/2007 2327
gamma-Chlordane	ND		1	1.7	ug/kg	06/04/2007 2327
4,4'-DDD	ND		1	1.7	ug/kg	06/04/2007 2327
4,4'-DDE	ND		1	1.7	ug/kg	06/04/2007 2327
4,4'-DDT	ND		1	1.7	ug/kg	06/04/2007 2327
Dieldrin	ND		1	1.7	ug/kg	06/04/2007 2327
Endosulfan I	ND		1	1.7	ug/kg	06/04/2007 2327
Endosulfan II	ND		1	1.7	ug/kg	06/04/2007 2327
Endosulfan sulfate	ND		1	1.7	ug/kg	06/04/2007 2327
Endrin	ND		1	1.7	ug/kg	06/04/2007 2327
Endrin aldehyde	ND		1	1.7	ug/kg	06/04/2007 2327
Endrin ketone	ND		1	1.7	ug/kg	06/04/2007 2327
Heptachlor	ND		1	1.7	ug/kg	06/04/2007 2327
Heptachlor epoxide	ND		1	1.7	ug/kg	06/04/2007 2327
Methoxychlor	ND		1	6.7	ug/kg	06/04/2007 2327
Toxaphene	ND		1	83	ug/kg	06/04/2007 2327

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		89	50-130
Tetrachloro-m-xylene		72	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Organochlorine Pesticides by GC - LCS

Sample ID: IQ58347-002
Batch: 58347
Analytical Method: 8081A

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 1356

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aldrin	17	13		1	77	50-130	06/04/2007 2343
alpha-BHC	17	12		1	72	50-130	06/04/2007 2343
beta-BHC	17	13		1	79	50-130	06/04/2007 2343
delta-BHC	17	14		1	82	50-130	06/04/2007 2343
gamma-BHC (Lindane)	17	13		1	79	50-130	06/04/2007 2343
alpha-Chlordane	17	14		1	82	50-130	06/04/2007 2343
gamma-Chlordane	17	14		1	81	50-130	06/04/2007 2343
4,4'-DDD	17	14		1	84	50-130	06/04/2007 2343
4,4'-DDE	17	13		1	79	50-130	06/04/2007 2343
4,4'-DDT	17	13		1	76	50-130	06/04/2007 2343
Dieldrin	17	15		1	86	50-130	06/04/2007 2343
Endosulfan I	17	14		1	82	50-130	06/04/2007 2343
Endosulfan II	17	15		1	88	50-130	06/04/2007 2343
Endosulfan sulfate	17	15		1	88	50-130	06/04/2007 2343
Endrin	17	13		1	76	50-130	06/04/2007 2343
Endrin aldehyde	17	13		1	78	50-130	06/04/2007 2343
Endrin ketone	17	13		1	77	50-130	06/04/2007 2343
Heptachlor	17	13		1	79	50-130	06/04/2007 2343
Heptachlor epoxide	17	14		1	81	50-130	06/04/2007 2343
Methoxychlor	17	17		1	100	50-130	06/04/2007 2343

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		90	50-130
Tetrachloro-m-xylene		86	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Organochlorine Pesticides by GC - LCSD

Sample ID: IQ58347-003
Batch: 58347
Analytical Method: 8081A

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 1356

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aldrin	17	13		1	76	1.1	50-130	30	06/04/2007 2359
alpha-BHC	17	12		1	73	1.1	50-130	30	06/04/2007 2359
beta-BHC	17	14		1	80	1.0	50-130	30	06/04/2007 2359
delta-BHC	17	14		1	83	0.75	50-130	30	06/04/2007 2359
gamma-BHC (Lindane)	17	14		1	80	1.0	50-130	30	06/04/2007 2359
alpha-Chlordane	17	14		1	82	1.3	50-130	30	06/04/2007 2359
gamma-Chlordane	17	14		1	81	0.69	50-130	30	06/04/2007 2359
4,4'-DDD	17	14		1	84	0.39	50-130	30	06/04/2007 2359
4,4'-DDE	17	13		1	79	0.66	50-130	30	06/04/2007 2359
4,4'-DDT	17	13		1	78	1.5	50-130	30	06/04/2007 2359
Dieldrin	17	15		1	86	0.47	50-130	30	06/04/2007 2359
Endosulfan I	17	14		1	82	0.74	50-130	30	06/04/2007 2359
Endosulfan II	17	14		1	84	4.1	50-130	30	06/04/2007 2359
Endosulfan sulfate	17	15		1	88	0.23	50-130	30	06/04/2007 2359
Endrin	17	13		1	76	0.24	50-130	30	06/04/2007 2359
Endrin aldehyde	17	13		1	79	1.3	50-130	30	06/04/2007 2359
Endrin ketone	17	13		1	77	0.98	50-130	30	06/04/2007 2359
Heptachlor	17	14		1	80	1.3	50-130	30	06/04/2007 2359
Heptachlor epoxide	17	14		1	82	0.99	50-130	30	06/04/2007 2359
Methoxychlor	17	17		1	100	0.38	50-130	30	06/04/2007 2359

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		90	50-130
Tetrachloro-m-xylene		85	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - DRO - MB

Sample ID: IQ58430-001
Batch: 58430
Analytical Method: 8015B

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/30/2007 945

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TPH-DRO	ND		1	6700	ug/kg	05/31/2007 1401

Surrogate	Q	% Rec	Acceptance Limit
o - Terphenyl		87	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - DRO - LCS

Sample ID: IQ58430-002
Batch: 58430
Analytical Method: 8015B

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/30/2007 945

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TPH-DRO	83000	75000		1	90	50-130	05/31/2007 1428

Surrogate	Q	% Rec	Acceptance Limit
o - Terphenyl		91	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - DRO - LCSD

Sample ID: IQ58430-003
Batch: 58430
Analytical Method: 8015B

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/30/2007 945

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TPH-DRO	83000	77000		1	93	2.6	50-130	20	05/31/2007 1454

Surrogate	Q	% Rec	Acceptance Limit
o - Terphenyl		95	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - MB

Sample ID: IQ58546-001
Batch: 58546
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TPH-GRO	ND		1	5000	ug/kg	05/30/2007 1438

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		90	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - LCS

Sample ID: IQ58546-002
Batch: 58546
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TPH-GRO	40000	37000		1	93	70-130	05/30/2007 1503

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - LCSD

Sample ID: IQ58546-003
Batch: 58546
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TPH-GRO	40000	40000		1	100	6.5	70-130	20	05/30/2007 1528

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - MB

Sample ID: IQ58757-001
Batch: 58757
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TPH-GRO	ND		1	5000	ug/kg	06/04/2007 1848

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - LCS

Sample ID: IQ58757-002
Batch: 58757
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TPH-GRO	40000	36000		1	90	70-130	06/04/2007 1913

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - LCSD

Sample ID: IQ58757-003
Batch: 58757
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TPH-GRO	40000	38000		1	94	4.9	70-130	20	06/04/2007 1938

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		92	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MB

Sample ID: IQ58579-001
Batch: 58579
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 05/31/2007 1631

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aluminum	ND		1	10	mg/kg	06/06/2007 1837
Antimony	ND		1	0.50	mg/kg	06/07/2007 1827
Barium	ND		1	1.3	mg/kg	06/06/2007 1837
Beryllium	ND		1	0.20	mg/kg	06/06/2007 1837
Cadmium	ND		1	0.10	mg/kg	06/06/2007 1837
Calcium	ND		1	250	mg/kg	06/06/2007 1837
Chromium	ND		1	0.25	mg/kg	06/07/2007 1827
Cobalt	ND		1	1.3	mg/kg	06/06/2007 1837
Copper	ND		1	0.25	mg/kg	06/06/2007 1837
Iron	ND		1	5.0	mg/kg	06/06/2007 1837
Lead	ND		1	0.50	mg/kg	06/06/2007 1837
Magnesium	ND		1	250	mg/kg	06/06/2007 1837
Manganese	ND		1	0.75	mg/kg	06/06/2007 1837
Nickel	ND		1	2.0	mg/kg	06/06/2007 1837
Potassium	ND		1	250	mg/kg	06/06/2007 1837
Selenium	ND		1	0.50	mg/kg	06/06/2007 1837
Silver	ND		1	0.25	mg/kg	06/06/2007 1837
Sodium	ND		1	250	mg/kg	06/06/2007 1837
Thallium	ND		1	2.5	mg/kg	06/06/2007 1837
Vanadium	ND		1	2.5	mg/kg	06/06/2007 1837
Zinc	ND		1	2.5	mg/kg	06/06/2007 1837

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCS

Sample ID: IQ58579-002
Batch: 58579
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 05/31/2007 1631

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	1000	1100		1	112	80-120	06/06/2007 1843
Antimony	50	51		1	103	80-120	06/07/2007 1834
Barium	500	530		1	105	80-120	06/06/2007 1843
Beryllium	100	100		1	106	80-120	06/06/2007 1843
Cadmium	50	53		1	107	80-120	06/06/2007 1843
Calcium	2000	2100		1	104	80-120	06/06/2007 1843
Chromium	250	260		1	103	80-120	06/07/2007 1834
Cobalt	100	100		1	105	80-120	06/06/2007 1843
Copper	100	110		1	108	80-120	06/06/2007 1843
Iron	1000	1100		1	108	80-120	06/06/2007 1843
Lead	250	250		1	102	80-120	06/06/2007 1843
Magnesium	2000	2100		1	105	80-120	06/06/2007 1843
Manganese	100	100		1	104	80-120	06/06/2007 1843
Nickel	100	110		1	107	80-120	06/06/2007 1843
Potassium	2000	2000		1	98	80-120	06/06/2007 1843
Selenium	50	50		1	100	80-120	06/06/2007 1843
Silver	250	250		1	100	80-120	06/06/2007 1843
Thallium	40	43		1	107	80-120	06/06/2007 1843
Zinc	100	100		1	102	80-120	06/06/2007 1843

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCSD

Sample ID: IQ58579-003
Batch: 58579
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 05/31/2007 1631

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aluminum	1000	1100		1	109	3.2	80-120	20	06/06/2007 1849
Antimony	50	50		1	100	2.8	80-120	20	06/07/2007 1841
Barium	500	510		1	102	2.8	80-120	20	06/06/2007 1849
Beryllium	100	100		1	103	3.1	80-120	20	06/06/2007 1849
Cadmium	50	52		1	103	3.6	80-120	20	06/06/2007 1849
Calcium	2000	2000		1	100	3.3	80-120	20	06/06/2007 1849
Chromium	250	250		1	100	2.3	80-120	20	06/07/2007 1841
Cobalt	100	100		1	102	3.0	80-120	20	06/06/2007 1849
Copper	100	100		1	105	3.0	80-120	20	06/06/2007 1849
Iron	1000	1000		1	105	2.3	80-120	20	06/06/2007 1849
Lead	250	250		1	99	3.1	80-120	20	06/06/2007 1849
Magnesium	2000	2000		1	102	3.2	80-120	20	06/06/2007 1849
Manganese	100	100		1	101	2.5	80-120	20	06/06/2007 1849
Nickel	100	100		1	103	3.6	80-120	20	06/06/2007 1849
Potassium	2000	1900		1	95	2.9	80-120	20	06/06/2007 1849
Selenium	50	49		1	97	2.6	80-120	20	06/06/2007 1849
Silver	250	240		1	97	3.3	80-120	20	06/06/2007 1849
Thallium	40	41		1	104	3.6	80-120	20	06/06/2007 1849
Zinc	100	98		1	98	3.6	80-120	20	06/06/2007 1849

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MS

Sample ID: IE25018-005MS
Batch: 58579
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 05/31/2007 1631

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	12000	1300	19000	N	1	539	75-125	06/06/2007 2007
Antimony	ND	64	40	N	1	62	75-125	06/07/2007 2013
Arsenic	ND	320	330		1	104	75-125	06/07/2007 2013
Barium	14	640	680		1	103	75-125	06/06/2007 2007
Beryllium	ND	130	130		1	104	75-125	06/06/2007 2007
Cadmium	ND	64	67		1	104	75-125	06/06/2007 2007
Calcium	ND	2600	2700		1	105	75-125	06/06/2007 2007
Chromium	12	320	340		1	102	75-125	06/07/2007 2013
Cobalt	ND	130	130		1	102	75-125	06/06/2007 2007
Copper	1.7	130	140		1	108	75-125	06/06/2007 2007
Lead	4.5	320	330		1	100	75-125	06/06/2007 2007
Magnesium	470	2600	3300		1	110	75-125	06/06/2007 2007
Manganese	11	130	140		1	97	75-125	06/06/2007 2007
Nickel	2.8	130	140		1	105	75-125	06/06/2007 2007
Selenium	ND	64	64		1	99	75-125	06/06/2007 2007
Silver	ND	320	320		1	98	75-125	06/06/2007 2007
Thallium	ND	51	54		1	104	75-125	06/06/2007 2007
Zinc	31	130	140		1	85	75-125	06/06/2007 2007

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MB

Sample ID: IQ58403-001
Batch: 58403
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/29/2007 1858

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Mercury	ND		1	0.083	mg/kg	05/29/2007 2326

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCS

Sample ID: IQ58403-002
Batch: 58403
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/29/2007 1858

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.83	0.81		1	97	85-115	05/29/2007 2330

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCSD

Sample ID: IQ58403-003
Batch: 58403
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/29/2007 1858

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.83	0.82		1	99	1.8	85-115	20	05/29/2007 2332

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MS

Sample ID: IE25018-006MS
Batch: 58403
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/29/2007 1858

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	ND	1.1	1.1		1	99	85-115	05/29/2007 2342

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MS

Sample ID: IE25018-010MS
Batch: 58403
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/29/2007 1858

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	ND	0.93	0.90		1	96	85-115	05/29/2007 2355

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Sample Receipt Checklist

Client: Arcadis Cooler Inspected by/date: SLH / 5/25/07 Lot #: E25018

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

Yes ☑	No ☐	NA ☐	1. Were custody seals present on the cooler?
Yes ☑	No ☐	NA ☐	2. If custody seals were present, were they intact and unbroken?

Cooler temperature upon receipt 0.6 °C 1.1 °C 0.9 °C 1.3 °C 0.6 °C
Method: ☑ Temperature Blank ☐ Against Bottles
Method of coolant: ☐ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 13,14,15), an explanation/resolution must be provided.

Yes ☑	No ☐	NA ☐	3. Is the commercial courier's packing slip attached ~~to this~~ form? See attached
Yes ☐	No ☑	NA ☐	4. Were proper custody procedures (relinquished/received) followed? by FedEx
Yes ☑	No ☐	NA ☐	5. Were sample IDs listed?
Yes ☑	No ☑	NA ☐	6. Was collection date & time listed? for Dup 3 & Dup 4
Yes ☑	No ☐	NA ☐	7. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	8. Did all samples arrive in the proper containers for each test?
Yes ☐	No ☑	NA ☐	9. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐	NA ☐	10. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐	NA ☐	11. Was adequate sample volume available?
Yes ☑	No ☐	NA ☐	12. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑	NA ☐	13. Were any samples containers missing?
Yes ☐	No ☑	NA ☐	14. Were there any excess samples not listed on COC?
Yes ☐	No ☐	NA ☑	15. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☐	No ☐	NA ☑	16. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	17. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	18. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	19. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s)_____ were received incorrectly preserved and were adjusted accordingly in sample receiving.

Sample(s)_____ were received with bubbles >6 mm in diameter.

Sample(s)_____ were received with TRC >0.2 mg/L for NH3/ TKN/cyanide/BNA/pest/PCB/herb.

Toxicity sample(s)_____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee:_____ Date of response: _____

Comments: IDs on sample bottles only show last 2 characters of IDs on COC (e.g. 27, 28, 29 etc, etc) EG

Subcontracted Data

Shealy Environmental Services
106 Vantage Point Drive
West Columbia, South Carolina 29172

phone # (803) 791-9700 fax # (803) 791-91111

FE20018

Client Contact	Project Manager: Chuck Bertz	Site Contact: Adam Tripp	Date: 5-24-07	COC No:
ARCADIS	Tel/Fax:	Lab Contact: Paul Biery	Carrier: FED EX	Page # 2
801 Corporate Center Drive Suite 300	Analysis Turnaround Time			Job No. NC107002
Raleigh, North Carolina	Calendar (C) or Work Days (W) ____W____			
919-854-1282	TAT if different from Below _____			
919-854-5448	■ 2 weeks			SDG No.
Project Name: ONWASA	☐ 1 week			
Site: ☐ UXO-05	☐ 3 days			
Site: ☐ UXO-06	☐ 2 days			
PO# NC107002.0001.00003	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Explosive Residues 8330	TCL Pesticides 8081A	TAL Metals 6010/74220 and 6010/7421 for so	Cyanide (Total) 9012	TOC 415.1 and Walkely Black for soil	PCB's (Aroclors) 8082	VOC's 8260B	SVOC's 8270C	Total Organic Halogens 9020B	Perchlorate 314	TPH-GRO 5030A/8015A	TPH-DRO 3550A/8015A							Sample Specific Notes:
MMRP 06- Dup 4	5-24-07	~	soil									X												
MMRP																								
MMRP																								
MMRP																								
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MMRP																								

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ■ *Unknown*

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 & Comments:** All sample containers have abreviated sample ID's. For example soil sample container labeled "01" from site UXO-05 has a true ID of "MMRP05-IS01", as indicated on the COC. Ground water sample container labeled "TW16" from site UXO-06 has a true ID of "MMRP06-TW16". Please report all samples with the true ID.

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	ARCADIS	5-24-07			
FEDEX	FEDEX	1700	[signature]	Shealy	5/25/07 0930

5/25/07 0930

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Cary, NC 27519-4603
Phone: (919) 379-4100
Fax: (919) 379-4050

Monday, June 11, 2007

LORIE CARLISLE
ARCADIS
801 CORPORATE CENTER DRIVE
SUITE 300
RALEIGH, NC 27607

RE: Project: 13083
Project ID: CAMP LEJUENE

Dear LORIE CARLISLE:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday, May 29, 2007. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.
If you have any questions concerning this report, please feel free to contact your project manager.

Sincerely,

Paul E. Cvetich for
Marlene F. Swift
mswift@compuchemlabs.com

YES

Enclosures

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SAMPLE SUMMARY

Project: 13083
Project ID: CAMP LEJUENE

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1308301	MMRP06-IS27	Soil	5/24/2007 07:45	5/29/2007 15:49
1308302	MMRP06-IS28	Soil	5/24/2007 08:10	5/29/2007 15:49
1308303	MMRP06-IS29	Soil	5/24/2007 08:40	5/29/2007 15:49
1308304	MMRP06-IS30	Soil	5/24/2007 09:10	5/29/2007 15:49
1308305	MMRP06-IS31	Soil	5/24/2007 09:40	5/29/2007 15:49
1308306	MMRP06-IS32	Soil	5/24/2007 10:10	5/29/2007 15:49
1308307	MMRP06-IS33	Soil	5/24/2007 10:40	5/29/2007 15:49
1308308	MMRP06-IS34	Soil	5/24/2007 11:10	5/29/2007 15:49
1308309	MMRP06-IS35	Soil	5/24/2007 11:40	5/29/2007 15:49
1308310	MMRP06-IS36	Soil	5/24/2007 13:30	5/29/2007 15:49
1308311	MMRP06-IS37	Soil	5/24/2007 14:00	5/29/2007 15:49
1308312	MMRP06-IS38	Soil	5/24/2007 14:20	5/29/2007 15:49
1308313	MMRP06-IS39	Soil	5/24/2007 15:00	5/29/2007 15:49

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SAMPLE ANALYTE COUNT

Project: 13083
Project ID: CAMP LEJUENE

Lab ID	Sample ID	Method	Analytes Reported
1308301	MMRP06-IS27	% Solids	1
		EPA 314.0	1
1308302	MMRP06-IS28	% Solids	1
		EPA 314.0	1
1308303	MMRP06-IS29	% Solids	1
		EPA 314.0	1
1308304	MMRP06-IS30	% Solids	1
		EPA 314.0	1
1308305	MMRP06-IS31	% Solids	1
		EPA 314.0	1
1308306	MMRP06-IS32	% Solids	1
		EPA 314.0	1
1308307	MMRP06-IS33	% Solids	1
		EPA 314.0	1
1308308	MMRP06-IS34	% Solids	1
		EPA 314.0	1
1308309	MMRP06-IS35	% Solids	1
		EPA 314.0	1
1308310	MMRP06-IS36	% Solids	1
		EPA 314.0	1
1308311	MMRP06-IS37	% Solids	1
		EPA 314.0	1
1308312	MMRP06-IS38	% Solids	1
		EPA 314.0	1
1308313	MMRP06-IS39	% Solids	1
		EPA 314.0	1

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ANALYTICAL RESULTS

Project: 13083
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1308301** Date Collected: 5/24/2007 07:45 Matrix: Soil
Sample ID: **MMRP06-IS27** Date Received: 5/29/2007 15:49

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.24U	mg/kg	1.24	1	5/30/2007	2171	6/1/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	80.5	%		1			5/30/2007	2171			

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ANALYTICAL RESULTS

Project: 13083
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1308302** Date Collected: 5/24/2007 08:10 Matrix: Soil
Sample ID: **MMRP06-IS28** Date Received: 5/29/2007 15:49

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.33U	mg/kg	1.33	1	5/30/2007	2171	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	75.0	%		1			5/30/2007	2171			

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ANALYTICAL RESULTS

Project: 13083
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1308303** Date Collected: 5/24/2007 08:40 Matrix: Soil
Sample ID: **MMRP06-IS29** Date Received: 5/29/2007 15:49

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	20.3	mg/kg	1.38	1	5/30/2007	2171	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	72.5	%		1			5/30/2007	2171			

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Remit to: P.O. Box 4603
Cary, NC 27519-4603
Phone: (919) 379-4100
Fax: (919) 379-4050

ANALYTICAL RESULTS

Project: 13083
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1308304** Date Collected: 5/24/2007 09:10 Matrix: Soil
Sample ID: **MMRP06-IS30** Date Received: 5/29/2007 15:49

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.10U	mg/kg	1.10	1	5/30/2007	2171	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	90.8	%		1			5/30/2007	2171			

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ANALYTICAL RESULTS

Project: 13083
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1308305** Date Collected: 5/24/2007 09:40 Matrix: Soil
Sample ID: **MMRP06-IS31** Date Received: 5/29/2007 15:49

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.10U	mg/kg	1.10	1	5/30/2007	2171	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	91.0	%		1			5/30/2007	2171			

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ANALYTICAL RESULTS

Project: 13083
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1308306** Date Collected: 5/24/2007 10:10 Matrix: Soil
Sample ID: **MMRP06-IS32** Date Received: 5/29/2007 15:49

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.09U	mg/kg	1.09	1	5/30/2007	2171	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	92.0	%		1			5/30/2007	2171			

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ANALYTICAL RESULTS

Project: 13083
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1308307** Date Collected: 5/24/2007 10:40 Matrix: Soil
Sample ID: **MMRP06-IS33** Date Received: 5/29/2007 15:49

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.19U	mg/kg	1.19	1	5/30/2007	2171	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	83.9	%		1			5/30/2007	2171			

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ANALYTICAL RESULTS

Project: 13083
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1308308** Date Collected: 5/24/2007 11:10 Matrix: Soil
Sample ID: **MMRP06-IS34** Date Received: 5/29/2007 15:49

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.13U	mg/kg	1.13	1	5/30/2007	2171	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	88.8	%		1			5/30/2007	2171			

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ANALYTICAL RESULTS

Project: 13083
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1308309** Date Collected: 5/24/2007 11:40 Matrix: Soil
Sample ID: **MMRP06-IS35** Date Received: 5/29/2007 15:49

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.09U	mg/kg	1.09	1	5/30/2007	2171	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	91.4	%		1			5/30/2007	2171			

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ANALYTICAL RESULTS

Project: 13083
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1308310** Date Collected: 5/24/2007 13:30 Matrix: Soil
Sample ID: **MMRP06-IS36** Date Received: 5/29/2007 15:49

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.31U	mg/kg	1.31	1	5/30/2007	2171	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	76.4	%		1			5/30/2007	2171			

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ANALYTICAL RESULTS

Project: 13083
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1308311** Date Collected: 5/24/2007 14:00 Matrix: Soil
Sample ID: **MMRP06-IS37** Date Received: 5/29/2007 15:49

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.29U	mg/kg	1.29	1	5/30/2007	2171	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	77.8	%		1			5/30/2007	2171			

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ANALYTICAL RESULTS

Project: 13083
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1308312** Date Collected: 5/24/2007 14:20 Matrix: Soil
Sample ID: **MMRP06-IS38** Date Received: 5/29/2007 15:49

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.27U	mg/kg	1.27	1	5/30/2007	2171	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	79.0	%		1			5/30/2007	2171			

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ANALYTICAL RESULTS

Project: 13083
Project ID: CAMP LEJUENE
Solid results are reported on a dry weight basis.

Lab ID: **1308313** Date Collected: 5/24/2007 15:00 Matrix: Soil
Sample ID: **MMRP06-IS39** Date Received: 5/29/2007 15:49

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.32U	mg/kg	1.32	1	5/30/2007	2171	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	76.0	%		1			5/30/2007	2171			

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ANALYTICAL RESULTS QUALIFIERS

Project: 13083
Project ID: CAMP LEJUENE

PARAMETER QUALIFIERS

AFU/AFCEE U Flag Quant

AFJ/AFCEE J Flag Surrogates

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of extract, or moisture content

AFCEE J Flag Surrogates

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QUALITY CONTROL DATA

Project: 13083
Project ID: CAMP LEJUENE

QC Batch: WC/16137 Analysis Method: EPA 314.0
QC Batch Method: EPA 314.0 Analysis Description: Analytical procedure for 314.0
Associated Lab Samples: 1308301 1308302 1308303 1308304 1308305 1308306 1308307 1308308 1308309 1308310 1308311 1308312 1308313

METHOD BLANK: 141369

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Perchlorate	mg/kg	1.00U	1.00	

METHOD BLANK: 141372

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Perchlorate	mg/kg	1.00U	1.00	

LABORATORY CONTROL SAMPLE & LCSD: 141370 141371

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Perchlorate	mg/kg	25	25.6	27.4	102.0	110.0	80-120	6.87	20	

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QUALITY CONTROL DATA QUALIFIERS

Project: 13083
Project ID: CAMP LEJUENE

QUALITY CONTROL PARAMETER QUALIFIERS

Dilution factor shown represents the factor applied to the sample preparation, dilution of extract, or moisture content reported result and reporting limit due to changes in

LCS(D)/Laboratory Control Sample (Duplicate)

MS(D)/Matrix Spike (Duplicate)

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 13083
Project ID: CAMP LEJUENE

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1308301	MMRP06-IS27	EPA 314.0	EXTR/11543	EPA 314.0	WC/16137
1308302	MMRP06-IS28	EPA 314.0	EXTR/11543	EPA 314.0	WC/16137
1308303	MMRP06-IS29	EPA 314.0	EXTR/11543	EPA 314.0	WC/16137
1308304	MMRP06-IS30	EPA 314.0	EXTR/11543	EPA 314.0	WC/16137
1308305	MMRP06-IS31	EPA 314.0	EXTR/11543	EPA 314.0	WC/16137
1308306	MMRP06-IS32	EPA 314.0	EXTR/11543	EPA 314.0	WC/16137
1308307	MMRP06-IS33	EPA 314.0	EXTR/11543	EPA 314.0	WC/16137
1308308	MMRP06-IS34	EPA 314.0	EXTR/11543	EPA 314.0	WC/16137
1308309	MMRP06-IS35	EPA 314.0	EXTR/11543	EPA 314.0	WC/16137
1308310	MMRP06-IS36	EPA 314.0	EXTR/11543	EPA 314.0	WC/16137
1308311	MMRP06-IS37	EPA 314.0	EXTR/11543	EPA 314.0	WC/16137
1308312	MMRP06-IS38	EPA 314.0	EXTR/11543	EPA 314.0	WC/16137
1308313	MMRP06-IS39	EPA 314.0	EXTR/11543	EPA 314.0	WC/16137
1308301	MMRP06-IS27	% Solids	EXTR/11544		
1308302	MMRP06-IS28	% Solids	EXTR/11544		
1308303	MMRP06-IS29	% Solids	EXTR/11544		
1308304	MMRP06-IS30	% Solids	EXTR/11544		
1308305	MMRP06-IS31	% Solids	EXTR/11544		
1308306	MMRP06-IS32	% Solids	EXTR/11544		
1308307	MMRP06-IS33	% Solids	EXTR/11544		
1308308	MMRP06-IS34	% Solids	EXTR/11544		
1308309	MMRP06-IS35	% Solids	EXTR/11544		
1308310	MMRP06-IS36	% Solids	EXTR/11544		
1308311	MMRP06-IS37	% Solids	EXTR/11544		
1308312	MMRP06-IS38	% Solids	EXTR/11544		
1308313	MMRP06-IS39	% Solids	EXTR/11544		

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SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76062

Client	Report to Contact: Paul K. Burg	Telephone No. / Fax No. / E-mail: 803 791 9700	Quote No.
Address	Sampler's Signature	Waybill No.	Page 1 of 2
City / State / Zip Code	X / Printed Name	Analysis (Attach list if more space is needed.)	
Project Name			
Project No.	P.O. No.		Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Perchlorates	Explosives					Remarks / Cooler I.D.
IE 25018-001	5/24/07	0745			✓		1						✓	✓				1308301	MMRP06-IS27
-002		0810			✓		1						✓	✓				1308302	MMRP06-IS28
-003		0840			✓		1						✓	✓				1308303	MMRP06-IS29
-004		0910			✓		1						✓	✓				1308304	MMRP06-IS30
-005		0940			✓		1						✓	✓				1308305	MMRP06-IS31
-006		1010			✓		1						✓	✓				1308306	MMRP06-IS32
-007		1040			✓		1						✓	✓				1308307	MMRP06-IS33
-008		1110			✓		1						✓	✓				1308308	MMRP06-IS34
-009		1140			✓		1						✓	✓				1308309	MMRP06-IS35
-010		1330			✓		1						✓	✓				1308310	MMRP06-IS36
-011		1400			✓		1						✓	✓				1308311	MMRP06-IS37
-012		1430			✓		1						✓	✓				1308312	MMRP06-IS38
-013		1500			✓		1						✓	✓				1308313	MMRP06-IS39

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☐ Standard ☐ Rush (Specify)

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by	5/25/07	1730	1. Received by FEDEX	5/25/07	1730
2. Relinquished by			2. Received by Jennifer Dover	5/26/07	9:00
3. Relinquished by			3. Laboratory received by		

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 4.6 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

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WORKORDER SUMMARY REPORT

Workorder: 13083 **Account:** SHEALY **Project:** CAMP LEJUENE
SDG-Case: CAMP **Status:** CLOSED **QC Type:** REPORT LCS/LCSD
Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1308301	MMRP06-IS27	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308302	MMRP06-IS28	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308303	MMRP06-IS29	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308304	MMRP06-IS30	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308305	MMRP06-IS31	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308306	MMRP06-IS32	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			

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WORKORDER SUMMARY REPORT

Workorder: 13083 **Account:** SHEALY **Project:** CAMP LEJUENE
SDG-Case: CAMP **Status:** CLOSED **QC Type:** REPORT LCS/LCSD
Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308307	MMRP06-IS33	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308308	MMRP06-IS34	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308309	MMRP06-IS35	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308310	MMRP06-IS36	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308311	MMRP06-IS37	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308312	MMRP06-IS38	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			

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WORKORDER SUMMARY REPORT

Workorder: 13083 **Account:** SHEALY **Project:** CAMP LEJUENE

SDG-Case: CAMP **Status:** CLOSED **QC Type:** REPORT LCS/LCSD

Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308313	MMRP06-IS39	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			

Subcontracted Data

CompuChem

a division of Liberty Analytical Corp.

11-Jun-07

PAUL BIERY
SHEALY ENVIRONMENTAL SERVICES, INC.
106 VINATAGE POINT DRIVE

WEST COLUMBIA, SC 29172

Subject:
Report of Data-Project: CAMP LEJUENE Workorder: 13083

Attn.: PAUL BIERY

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

Marlene T. Smith

CompuChem
A Division of Liberty Analytical

Attachment

TOTAL NUMBER
OF PAGES 25

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Hsn	Client ID	Wordorder	Matrix	Account	Project	Report
1308301	MMRP06-IS27	13083	S	SHEALY	CAMP LEJUENE	
1308302	MMRP06-IS28	13083	S	SHEALY	CAMP LEJUENE	
1308303	MMRP06-IS29	13083	S	SHEALY	CAMP LEJUENE	
1308304	MMRP06-IS30	13083	S	SHEALY	CAMP LEJUENE	
1308305	MMRP06-IS31	13083	S	SHEALY	CAMP LEJUENE	
1308306	MMRP06-IS32	13083	S	SHEALY	CAMP LEJUENE	
1308307	MMRP06-IS33	13083	S	SHEALY	CAMP LEJUENE	
1308308	MMRP06-IS34	13083	S	SHEALY	CAMP LEJUENE	
1308309	MMRP06-IS35	13083	S	SHEALY	CAMP LEJUENE	
1308310	MMRP06-IS36	13083	S	SHEALY	CAMP LEJUENE	
1308311	MMRP06-IS37	13083	S	SHEALY	CAMP LEJUENE	
1308312	MMRP06-IS38	13083	S	SHEALY	CAMP LEJUENE	
1308313	MMRP06-IS39	13083	S	SHEALY	CAMP LEJUENE	

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG #13083
PROTOCOL: SW-846 8330

SAMPLE IDENTIFICATIONS: MMRP06-IS27, MMRP06-IS28, MMRP06-IS29, MMRP06-IS30, MMRP06-IS31, MMRP06-IS32, MMRP06-IS33, MMRP06-IS34, MMRP06-IS35, MMRP06-IS36, MMRP06-IS37, MMRP06-IS38, MMRP06-IS39

The thirteen soil samples listed above were scheduled for the requested analyses of the explosives fraction. Method 8330 was used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. This portion of the SDG narrative deals with the explosives analysis only. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG #13083 are included in the sample data sections.

Explosives

Extraction and analysis holding time requirements were met for the sample.

No target analytes confirmed above the Quantitation Limit (QL) in the samples.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the surrogates met recovery and retention time criteria.

The associated method blank met all quality control criteria.

Duplicate matrix spikes (MS/MSD) were not performed with this SDG. The associated Laboratory Control Samples (LCS/LCSD) prepared and analyzed along with the samples met all recovery and precision criteria, with the exception of recovery for Tetryl in the LCSD. In the DoD – QSM, Tetryl is listed as a poor performing analyte, and the recovery is within the lowers marginal exceedance limits. The LCS/LCSD is reported from the confirmation column (Pinnacle Cyano) due to the co-elution of Tetryl and Nitrobenzene on the primary column (C18).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Teresa Amentt Jennings

Teresa Amentt Jennings
GC/HPLC Supervisor
June 11, 2007

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76062

Client	Report to Contact: Paul K. Birey	Telephone No. / Fax No. / E-mail: 803 791 9700	Quote No.
Address	Sampler's Signature	Waybill No.	Page 1 of 2
City / State / Zip Code	X Printed Name	Analysis (Attach list if more space is needed.)	
Project Name			
Project No.	P.O. No.		Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Perchlorates	Explosives	Remarks / Cooler I.D.
IE 25018-001	5/24/07	0745			✓		1						✓	✓	1308301 MMRP06-IS27
-002		0810			✓		1						✓	✓	1308302 MMRP06-IS28
-003		0840			✓		1						✓	✓	1308303 MMRP06-IS29
-004		0910			✓		1						✓	✓	1308304 MMRP06-IS30
-005		0940			✓		1						✓	✓	1308305 MMRP06-IS31
-006		1010			✓		1						✓	✓	1308306 MMRP06-IS32
-007		1040			✓		1						✓	✓	1308307 MMRP06-IS33
-008		1110			✓		1						✓	✓	1308308 MMRP06-IS34
-009		1140			✓		1						✓	✓	1308309 MMRP06-IS35
-010		1310			✓		1						✓	✓	1308310 MMRP06-IS36
-011		1400			✓		1						✓	✓	1308311 MMRP06-IS37
-012		1420			✓		1						✓	✓	1308312 MMRP06-IS38
-013		ISW			✓		1						✓	✓	1308313 MMRP06-IS39

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☑ Unknown

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☐ Standard ☐ Rush (Specify)

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by	5/25/07	1730	1. Received by FEDEX	5/25/07	1730
2. Relinquished by			2. Received by Jennifer Dover	5/26/07	9:00
3. Relinquished by			3. Laboratory received by		

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 4.6 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

CompuChem

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WORKORDER SUMMARY REPORT

Workorder: 13083 **Account:** SHEALY **Project:** CAMP LEJUENE
SDG-Case: CAMP **Status:** CLOSED **QC Type:** REPORT LCS/LCSD
Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1308301	MMRP06-IS27	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308302	MMRP06-IS28	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308303	MMRP06-IS29	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308304	MMRP06-IS30	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308305	MMRP06-IS31	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308306	MMRP06-IS32	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			

CompuChem

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WORKORDER SUMMARY REPORT

Workorder: 13083 **Account:** SHEALY **Project:** CAMP LEJUENE

SDG-Case: CAMP **Status:** CLOSED **QC Type:** REPORT LCS/LCSD

Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308307	MMRP06-IS33	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308308	MMRP06-IS34	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308309	MMRP06-IS35	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308310	MMRP06-IS36	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308311	MMRP06-IS37	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308312	MMRP06-IS38	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			

CompuChem

a division of Liberty Analytical Corp.

WORKORDER SUMMARY REPORT

Workorder: 13083 **Account:** SHEALY **Project:** CAMP LEJUENE

SDG-Case: CAMP **Status:** CLOSED **QC Type:** REPORT LCS/LCSD

Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308313	MMRP06-IS39	5/24/2007	5/29/2007	6/9/2007	LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS27

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

Matrix: (soil/water) SOIL Lab Sample ID: 1308301

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/29/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/30/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS28

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

Matrix: (soil/water) SOIL Lab Sample ID: 1308302

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/29/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/30/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS29

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

Matrix: (soil/water) SOIL Lab Sample ID: 1308303

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/29/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/30/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS30

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

Matrix: (soil/water) SOIL Lab Sample ID: 1308304

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/29/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/30/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS31

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

Matrix: (soil/water) SOIL Lab Sample ID: 1308305

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/29/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/30/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS32

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

Matrix: (soil/water) SOIL Lab Sample ID: 1308306

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/29/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/30/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS33

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

Matrix: (soil/water) SOIL Lab Sample ID: 1308307

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/29/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/30/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS34

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

Matrix: (soil/water) SOIL Lab Sample ID: 1308308

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/29/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/30/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS35

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

Matrix: (soil/water) SOIL Lab Sample ID: 1308309

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/29/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/30/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS36

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

Matrix: (soil/water) SOIL Lab Sample ID: 1308310

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/29/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/30/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS37

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

Matrix: (soil/water) SOIL Lab Sample ID: 1308311

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/29/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/30/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS38

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

Matrix: (soil/water) SOIL Lab Sample ID: 1308312

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/29/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/30/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS39

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

Matrix: (soil/water) SOIL Lab Sample ID: 1308313

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/29/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/30/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PWNLCS

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

Matrix: (soil/water) SOIL Lab Sample ID: 141189

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/30/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	1.8	
121-82-4	RDX	2.7	
99-35-4	1,3,5-Trinitrobenzene	2.0	
99-65-0	1,3-Dinitrobenzene	2.1	
479-45-8	Tetryl	1.6	
98-95-3	Nitrobenzene	2.0	
118-96-7	2,4,6-Trinitrotoluene	1.9	
35572-78-2	2-Amino-4,6-dinitrotoluene	3.2	
606-20-2	2,6-Dinitrotoluene	3.1	
121-14-2	2,4-Dinitrotoluene	1.9	
1946-51-0	4-Amino-2,6-dinitrotoluene	3.1	
88-72-2	2-Nitrotoluene	3.2	
99-99-0	4-Nitrotoluene	3.2	
99-08-1	3-Nitrotoluene	3.0	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PWNLCSD

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

Matrix: (soil/water) SOIL Lab Sample ID: 141190

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/30/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	1.8	
121-82-4	RDX	2.6	
99-35-4	1,3,5-Trinitrobenzene	1.7	
99-65-0	1,3-Dinitrobenzene	2.1	
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	1.9	
118-96-7	2,4,6-Trinitrotoluene	1.8	
35572-78-2	2-Amino-4,6-dinitrotoluene	3.2	
606-20-2	2,6-Dinitrotoluene	3.0	
121-14-2	2,4-Dinitrotoluene	2.0	
1946-51-0	4-Amino-2,6-dinitrotoluene	3.2	
88-72-2	2-Nitrotoluene	3.3	
99-99-0	4-Nitrotoluene	3.0	
99-08-1	3-Nitrotoluene	2.8	

FORM I PEST

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

GC Column(1): PINNACLE CYANO ID: 4.60 (mm) GC Column(2): C18 ID: 4.60

	EPA SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	S2 1 %REC #	S2 2 %REC #	S3 1 %REC #	S3 2 %REC #	TOT OUT
01	PBLKWN	99	102					0
02	PWNLCS	94	100					0
03	PWNLCSD	95	101					0
04	MMRP06-IS27		98					0
05	MMRP06-IS28		99					0
06	MMRP06-IS29		102					0
07	MMRP06-IS30		101					0
08	MMRP06-IS31		99					0
09	MMRP06-IS32		100					0
10	MMRP06-IS33		101					0
11	MMRP06-IS34		99					0
12	MMRP06-IS35		101					0
13	MMRP06-IS36		98					0
14	MMRP06-IS37		102					0
15	MMRP06-IS38		100					0
16	MMRP06-IS39		98					0
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY
QC LIMITS

S1 = 1,4-Dinitrobenzene (38-155)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

LCS ID: PWNLCS Matrix Spike - EPA Sample No.: PWNLCS

COMPOUND	SPIKE ADDED (mg/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC #	QC. LIMITS REC.
HMX	2.0		1.8	90	50-150
RDX	2.0		2.7	135	50-150
1,3,5-Trinitrobenzene	2.0		2.0	100	50-150
1,3-Dinitrobenzene	2.0		2.1	105	50-150
Tetryl	3.0		1.6	54	50-150
Nitrobenzene	2.0		2.0	99	50-150
2,4,6-Trinitrotoluene	2.0		1.9	95	50-150
2-Amino-4,6-dinitrotolu	3.0		3.2	107	50-150
2,6-Dinitrotoluene	3.0		3.1	103	50-150
2,4-Dinitrotoluene	2.0		1.9	95	50-150
4-Amino-2,6-dinitrotolu	3.0		3.1	103	50-150
2-Nitrotoluene	3.0		3.2	107	50-150
4-Nitrotoluene	3.0		3.2	107	50-150
3-Nitrotoluene	3.0		3.0	100	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

LCS ID: PWNLCS Matrix Spike - EPA Sample No.: PWNLCS

COMPOUND	SPIKE ADDED (mg/Kg	LCSD CONCENTRATION (mg/Kg	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
HMX	2.0	1.8	90	0	30	50-150
RDX	2.0	2.6	130	4	30	50-150
1,3,5-Trinitrobenzene	2.0	1.7	85	16	30	50-150
1,3-Dinitrobenzene	2.0	2.1	105	0	30	50-150
Tetryl	3.0	0.0	200*	100*	30	50-150
Nitrobenzene	2.0	1.9	95	5	30	50-150
2,4,6-Trinitrotoluene	2.0	1.8	90	5	30	50-150
2-Amino-4,6-dinitrotolu	3.0	3.2	107	0	30	50-150
2,6-Dinitrotoluene	3.0	3.0	100	3	30	50-150
2,4-Dinitrotoluene	2.0	2.0	100	5	30	50-150
4-Amino-2,6-dinitrotolu	3.0	3.2	107	3	30	50-150
2-Nitrotoluene	3.0	3.3	110	3	30	50-150
4-Nitrotoluene	3.0	3.0	100	6	30	50-150
3-Nitrotoluene	3.0	2.8	93	7	30	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 14 outside limits
Spike Recovery: 1 out of 28 outside limits

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKWN

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

Lab Sample ID: 141188 Lab File ID: 024Y141188

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) OTHER

Sulfur Cleanup (Y/N) N Date Extracted: 05/30/07

Date Analyzed (1): 06/06/07 Date Analyzed (2): 06/09/07

Time Analyzed (1): 1441 Time Analyzed (2): 0007

Instrument ID (1): A11002 Instrument ID (2): A11001

GC Column (1): PINNACLE CYANO ID: 4.60(mm) GC Column (2): C18 ID: 4.60

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PWNLCS	141189	06/06/07	06/09/07
02	PWNLCSD	141190	06/06/07	06/09/07
03	MMRP06-IS27	1308301		06/09/07
04	MMRP06-IS28	1308302		06/09/07
05	MMRP06-IS29	1308303		06/09/07
06	MMRP06-IS30	1308304		06/09/07
07	MMRP06-IS31	1308305		06/09/07
08	MMRP06-IS32	1308306		06/09/07
09	MMRP06-IS33	1308307		06/09/07
10	MMRP06-IS34	1308308		06/09/07
11	MMRP06-IS35	1308309		06/09/07
12	MMRP06-IS36	1308310		06/09/07
13	MMRP06-IS37	1308311		06/09/07
14	MMRP06-IS38	1308312		06/09/07
15	MMRP06-IS39	1308313		06/09/07
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

FORM IV PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKWN

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13083

Matrix: (soil/water) SOIL Lab Sample ID: 141188

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:05/30/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

Subcontracted Data

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

June 19, 2007 5:13:25PM

Client: Shealy Environmental Services (8677)
106 Vantage Point Drive
Cayce, SC 29033
Attn: Paul Biery

Work Order: NQE3687
Project Name: Shealy Environmental Services-SC
Project Nbr: ONWASA
P/O Nbr:
Date Received: 05/30/07

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MMRP06-IS27	NQE3687-01	05/24/07 07:45
MMRP06-IS28	NQE3687-02	05/24/07 08:10
MMRP06-IS29	NQE3687-03	05/24/07 08:40
MMRP06-IS30	NQE3687-04	05/24/07 09:10
MMRP06-IS31	NQE3687-05	05/24/07 09:40
MMRP06-IS32	NQE3687-06	05/24/07 10:10
MMRP06-IS33	NQE3687-07	05/24/07 10:40
MMRP06-IS34	NQE3687-08	05/24/07 11:10
MMRP06-IS35	NQE3687-09	05/24/07 11:40
MMRP06-IS36	NQE3687-10	05/24/07 13:30
MMRP06-IS37	NQE3687-11	05/24/07 14:00
MMRP06-IS38	NQE3687-12	05/24/07 14:20
MMRP06-IS39	NQE3687-13	05/24/07 15:00

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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South Carolina Certification Number: WW & S/HW cert - 84009001 DW cert - 84009002

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.
Estimated uncertainity is available upon request.
This report has been electronically signed.
Report Approved By:

Roxanne L. Connor

Roxanne Connor

Program Manager - Conventional Accounts

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3687
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	ONWASA
Attn	Paul Biery	Received:	05/30/07 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQE3687-01 (MMRP06-IS27 - Soil) Sampled: 05/24/07 07:45								
General Chemistry Parameters								
% Dry Solids	**80.2**		%	0.500	1	06/06/07 09:21	SW-846	7060582
Extractable Organic Halides	ND		mg/kg dry	62.3	1	06/18/07 13:56	SW846 9023	7062551
Sample ID: NQE3687-02 (MMRP06-IS28 - Soil) Sampled: 05/24/07 08:10								
General Chemistry Parameters								
% Dry Solids	**75.8**		%	0.500	1	06/06/07 09:21	SW-846	7060582
Extractable Organic Halides	ND		mg/kg dry	66.0	1	06/18/07 13:56	SW846 9023	7062551
Sample ID: NQE3687-03 (MMRP06-IS29 - Soil) Sampled: 05/24/07 08:40								
General Chemistry Parameters								
% Dry Solids	**86.3**		%	0.500	1	06/06/07 09:21	SW-846	7060582
Extractable Organic Halides	ND		mg/kg dry	57.9	1	06/18/07 13:56	SW846 9023	7062551
Sample ID: NQE3687-04 (MMRP06-IS30 - Soil) Sampled: 05/24/07 09:10								
General Chemistry Parameters								
% Dry Solids	**85.4**		%	0.500	1	06/06/07 09:21	SW-846	7060582
Extractable Organic Halides	ND		mg/kg dry	58.5	1	06/18/07 13:56	SW846 9023	7062551
Sample ID: NQE3687-05 (MMRP06-IS31 - Soil) Sampled: 05/24/07 09:40								
General Chemistry Parameters								
% Dry Solids	**80.5**		%	0.500	1	06/06/07 09:21	SW-846	7060582
Extractable Organic Halides	ND		mg/kg dry	62.1	1	06/18/07 13:56	SW846 9023	7062551
Sample ID: NQE3687-06 (MMRP06-IS32 - Soil) Sampled: 05/24/07 10:10								
General Chemistry Parameters								
% Dry Solids	**80.4**		%	0.500	1	06/06/07 09:21	SW-846	7060582
Extractable Organic Halides	ND		mg/kg dry	62.2	1	06/18/07 13:56	SW846 9023	7062551
Sample ID: NQE3687-07 (MMRP06-IS33 - Soil) Sampled: 05/24/07 10:40								
General Chemistry Parameters								
% Dry Solids	**83.8**		%	0.500	1	06/06/07 09:21	SW-846	7060582
Extractable Organic Halides	ND		mg/kg dry	59.7	1	06/18/07 13:56	SW846 9023	7062551
Sample ID: NQE3687-08 (MMRP06-IS34 - Soil) Sampled: 05/24/07 11:10								
General Chemistry Parameters								
% Dry Solids	**81.5**		%	0.500	1	06/06/07 09:21	SW-846	7060582
Extractable Organic Halides	ND		mg/kg dry	61.3	1	06/18/07 13:56	SW846 9023	7062551
Sample ID: NQE3687-09 (MMRP06-IS35 - Soil) Sampled: 05/24/07 11:40								
General Chemistry Parameters								
% Dry Solids	**84.3**		%	0.500	1	06/06/07 09:21	SW-846	7060582
Extractable Organic Halides	ND		mg/kg dry	59.3	1	06/18/07 13:56	SW846 9023	7062551

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3687
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	ONWASA
Attn	Paul Biery	Received:	05/30/07 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQE3687-10 (MMRP06-IS36 - Soil) Sampled: 05/24/07 13:30								
General Chemistry Parameters								
% Dry Solids	**85.7**		%	0.500	1	06/06/07 09:21	SW-846	7060582
Extractable Organic Halides	ND		mg/kg dry	58.3	1	06/18/07 13:56	SW846 9023	7062551
Sample ID: NQE3687-11 (MMRP06-IS37 - Soil) Sampled: 05/24/07 14:00								
General Chemistry Parameters								
% Dry Solids	**80.1**		%	0.500	1	06/06/07 09:21	SW-846	7060582
Extractable Organic Halides	ND		mg/kg dry	62.4	1	06/18/07 13:56	SW846 9023	7062551
Sample ID: NQE3687-12 (MMRP06-IS38 - Soil) Sampled: 05/24/07 14:20								
General Chemistry Parameters								
% Dry Solids	**80.7**		%	0.500	1	06/06/07 09:21	SW-846	7060582
Extractable Organic Halides	ND		mg/kg dry	62.0	1	06/18/07 13:56	SW846 9023	7062551
Sample ID: NQE3687-13 (MMRP06-IS39 - Soil) Sampled: 05/24/07 15:00								
General Chemistry Parameters								
% Dry Solids	**88.8**		%	0.500	1	06/06/07 09:21	SW-846	7060582
Extractable Organic Halides	ND		mg/kg dry	56.3	1	06/18/07 13:56	SW846 9023	7062551

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3687
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	ONWASA
Attn	Paul Biery	Received:	05/30/07 08:30

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
7062551-BLK1						
Extractable Organic Halides	<17.0		mg/kg wet	7062551	7062551-BLK1	06/18/07 13:56

TestAmerica
ANALYTICAL TESTING CORPORATION
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Client	Shealy Environmental Services (8677)	Work Order:	NQE3687
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	ONWASA
Attn	Paul Biery	Received:	05/30/07 08:30

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters									
7062551-DUP1									
Extractable Organic Halides	ND	ND		mg/kg dry		20	7062551	NQE3687-13	06/18/07 13:56

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3687
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	ONWASA
Attn	Paul Biery	Received:	05/30/07 08:30

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
7062551-BS1								
Extractable Organic Halides	1000	1040		ug/mL	104%	90 - 113	7062551	06/18/07 13:56

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3687
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	ONWASA
Attn	Paul Biery	Received:	05/30/07 08:30

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
General Chemistry Parameters										
7062551-MS1										
Extractable Organic Halides	14.8	856		ug/mL	1000	84%	61 - 141	7062551	NQE3687-01	06/18/07 13:56

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3687
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	ONWASA
Attn	Paul Biery	Received:	05/30/07 08:30

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters												
7062551-MSD1												
Extractable Organic Halides	14.8	912		ug/mL	1000	90%	61 - 141	6	20	7062551	NQE3687-01	06/18/07 13:56

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3687
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	ONWASA
Attn	Paul Biery	Received:	05/30/07 08:30

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	South Carolina
SW846 9023	Soil	N/A	X	
SW-846	Soil			

Client	Shealy Environmental Services (8677)	Work Order:	NQE3687
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	ONWASA
Attn	Paul Biery	Received:	05/30/07 08:30

DATA QUALIFIERS AND DEFINITIONS

ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

ANALYTICAL TESTING CORPORATION
Nashville, TN

COOLER RECEIPT FORM

NQE3687

Cooler Received/Opened On: 5/30/07 @ 8:30

1. Tracking # 2896 (last 4 digits, FedEx)

Courier: FED EX IR Gun ID: 90942856

2. Temperature of rep. sample or temp blank when opened: 4.2 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: _____

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JR

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (intial) MG

15a. on pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here _____

16. Is residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial). BU

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial). BU

I certify that I attached a label with the unique LIMS number to each container (initial). BU

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 4/18/07

NQE3687
06/13/07 23:59

in of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76067

Client: Shealy Envl. Svcs Inc	Report to Contact: Paul K. Biery	Telephone No. / Fax No. / E-mail	Quote No.
Address: 106 Vantage Pt. Dr.	Sampler's Signature: X	Waybill No.	Page 1 of 2
City: West Columbia; State: SC; Zip Code: 29172	Printed Name	Analysis (Attach list if more space is needed.)	
Project Name: ONWASA			
Project No.	P.O. No.		Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Total Organic Halogens										Remarks / Cooler I.D.
MMRP06-IS27	5/24/07	0745			✓		1						✓					01					
MMRP06-IS28		0810			✓		1						✓					02					
MMRP06-IS29		0840			✓		1						✓					03					
MMRP06-IS30		0910			✓		1						✓					04					
MMRP06-IS31		0940			✓		1						✓					05					
MMRP06-IS32		1010			✓		1						✓					06					
MMRP06-IS33		1040			✓		1						✓					07					
MMRP06-IS34		1110			✓		1						✓					08					
MMRP06-IS35		1140			✓		1						✓					09					
MMRP06-IS36	↓	1330			✓		1						✓					10					

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☑ Unknown

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☐ Rush (Specify)

QC Requirements (Specify)

1. Relinquished by: [signature]	Date: 5/29/07	Time: 1730	1. Received by: FEDEX	Date: 5/29/07	Time: 1730
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Laboratory received by: [signature]	Date: 5/30/07	Time: 830
Comments			LAB USE ONLY Received on ice (Circle) Yes No Ice Pack	Receipt Temp. 4.2 °C	

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

SHEALY *Chain of Custody Record*

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76068

Client: Shealy Envl. Svcs Inc	Report to Contact: Paul R. Bury	Telephone No. / Fax No. / E-mail	Quote No.
Address: 106 Vantage Pt. Dr.	Sampler's Signature: X	Waybill No.	Page 2 of 2
City: W. Columbia; State: SC; Zip Code: 29172	Printed Name	Analysis (Attach list if more space is needed.)	
Project Name: ONWASA			
Project No.	P.O. No.		Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Total Organic Halogen											Remarks / Cooler I.D.
MMRP06 - IS37	5/24/07	1400			✓		1						✓			1	1							
MMRP06 - IS38	↓	1420			✓		1						✓			1	2							
MMRP06 - IS39	↓	1500			✓		1						✓			1	3							

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☐ Rush (Specify)

QC Requirements (Specify)

1. Relinquished by	Date 5/29/07	Time 1730	1. Received by FEDEX	Date 5/29/07	Time 1730
2. Relinquished by	Date	Time	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Laboratory received by	Date 5/30/07	Time 830

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 4.2 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

ARCADIS U.S., Inc.
801 Corporate Center Drive
Suite 300
Raleigh, NC 27607
Attention: Lorie Carlisle

Project Name: **ONWASA**

Lot Number: **IE26015**
Date Completed: **06/13/2007**

Paul Kim Biery
Project Manager

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
ARCADIS U.S., Inc.
Lot Number: IE26015

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Inorganic Non-metals
The MS/MSD associated with sample -001 had TOC recover outside of the acceptance limits. The LCS/LCSD associated with this batch had TOC recover within the required acceptance limits, therefore no corrective action was required.

Metals
The MS associated with sample -003 had aluminum recover outside of the acceptance limits. The LCS/LCSD associated with this batch had aluminum recover within the required acceptance limits, therefore no corrective action was required.

The MS/MSD associated with batch 59077 had aluminum recover outside of the acceptance limits. The LCS/LCSD associated with this batch had aluminum recover within the required acceptance limits, therefore no corrective action was required.

GC/MS Volatiles
An unknown hydrocarbon pattern was assoicated with sample -001.

Sample Summary
ARCADIS U.S., Inc.
Lot Number: IE26015

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MMRP 06-IS40	Solid	05/25/2007 0810	05/26/2007
002	MMRP 06-IS41	Solid	05/25/2007 0840	05/26/2007
003	MMRP 06-IS42	Solid	05/25/2007 0910	05/26/2007

(3 samples)

Executive Summary
ARCADIS U.S., Inc.
Lot Number: IE26015

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MMRP 06-IS40	Solid	TOC	Walkley-Black	740		mg/kg	5
001	MMRP 06-IS40	Solid	Acetone	8260B	110		ug/kg	6
001	MMRP 06-IS40	Solid	TPH-DRO	8015B	20000		ug/kg	12
001	MMRP 06-IS40	Solid	Aluminum	6010B	11000		mg/kg	14
001	MMRP 06-IS40	Solid	Barium	6010B	15		mg/kg	14
001	MMRP 06-IS40	Solid	Calcium	6010B	1200		mg/kg	14
001	MMRP 06-IS40	Solid	Chromium	6010B	11		mg/kg	14
001	MMRP 06-IS40	Solid	Copper	6010B	1.3		mg/kg	14
001	MMRP 06-IS40	Solid	Iron	6010B	3200		mg/kg	14
001	MMRP 06-IS40	Solid	Lead	6010B	5.8		mg/kg	14
001	MMRP 06-IS40	Solid	Magnesium	6010B	430		mg/kg	14
001	MMRP 06-IS40	Solid	Manganese	6010B	16		mg/kg	14
001	MMRP 06-IS40	Solid	Potassium	6010B	470		mg/kg	14
001	MMRP 06-IS40	Solid	Vanadium	6010B	14		mg/kg	14
001	MMRP 06-IS40	Solid	Zinc	6010B	12		mg/kg	14
002	MMRP 06-IS41	Solid	TOC	Walkley-Black	1700		mg/kg	15
002	MMRP 06-IS41	Solid	Acetone	8260B	120		ug/kg	16
002	MMRP 06-IS41	Solid	Aluminum	6010B	6500		mg/kg	24
002	MMRP 06-IS41	Solid	Barium	6010B	12		mg/kg	24
002	MMRP 06-IS41	Solid	Calcium	6010B	320		mg/kg	24
002	MMRP 06-IS41	Solid	Chromium	6010B	6.0		mg/kg	24
002	MMRP 06-IS41	Solid	Copper	6010B	0.92		mg/kg	24
002	MMRP 06-IS41	Solid	Iron	6010B	2000		mg/kg	24
002	MMRP 06-IS41	Solid	Lead	6010B	4.2		mg/kg	24
002	MMRP 06-IS41	Solid	Manganese	6010B	15		mg/kg	24
002	MMRP 06-IS41	Solid	Vanadium	6010B	7.7		mg/kg	24
002	MMRP 06-IS41	Solid	Zinc	6010B	18		mg/kg	24
003	MMRP 06-IS42	Solid	Aluminum	6010B	5500		mg/kg	34
003	MMRP 06-IS42	Solid	Arsenic	6010B	2.7		mg/kg	34
003	MMRP 06-IS42	Solid	Barium	6010B	6.6		mg/kg	34
003	MMRP 06-IS42	Solid	Chromium	6010B	6.9		mg/kg	34
003	MMRP 06-IS42	Solid	Copper	6010B	0.71		mg/kg	34
003	MMRP 06-IS42	Solid	Iron	6010B	2400		mg/kg	34
003	MMRP 06-IS42	Solid	Lead	6010B	4.1		mg/kg	34
003	MMRP 06-IS42	Solid	Manganese	6010B	9.1		mg/kg	34
003	MMRP 06-IS42	Solid	Vanadium	6010B	8.3		mg/kg	34

(36 detections)

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS40**
Date Sampled: **05/25/2007 0810**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-001**
Matrix: **Solid**
% Solids: **88.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0904	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/28/2007 1600	KLW		58509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.57	mg/kg	1
TOC		**Walkley-Black**	**740**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS40**
Date Sampled: **05/25/2007 0810**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-001**
Matrix: **Solid**
% Solids: **88.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1403	CMS		58496	6.42

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	**67-64-1**	**8260B**	**110**		**18**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		4.4	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.4	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.4	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.4	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		8.8	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.4	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.4	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.4	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.4	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.4	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.4	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.4	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.4	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.4	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.4	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.4	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.4	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.4	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.4	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.4	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.4	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.4	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.4	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.4	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.4	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.4	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.4	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.4	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		8.8	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.4	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.4	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.4	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		8.8	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.4	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.4	ug/kg	1
Styrene	100-42-5	8260B	ND		4.4	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.4	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.4	ug/kg	1
Toluene	108-88-3	8260B	ND		4.4	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.4	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.4	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.4	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.4	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.4	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.4	ug/kg	1

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J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS40**
Date Sampled: **05/25/2007 0810**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-001**
Matrix: **Solid**
% Solids: **88.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1403	CMS		58496	6.42

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		4.4	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.4	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		98	68-124

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Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS40**
Date Sampled: **05/25/2007 0810**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-001**
Matrix: **Solid**
% Solids: **88.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1355	DC	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		370	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		370	ug/kg	1
Acetophenone	98-86-2	8270C	ND		370	ug/kg	1
Anthracene	120-12-7	8270C	ND		370	ug/kg	1
Atrazine	1912-24-9	8270C	ND		370	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		940	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		370	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		370	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		370	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		370	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		370	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		370	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		370	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		370	ug/kg	1
Caprolactam	105-60-2	8270C	ND		940	ug/kg	1
Carbazole	86-74-8	8270C	ND		370	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		370	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		370	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		370	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		370	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		370	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		370	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		370	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		370	ug/kg	1
Chrysene	218-01-9	8270C	ND		370	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		370	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		370	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		370	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		370	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		940	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		370	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		370	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		370	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		370	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		940	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		940	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		370	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		370	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		370	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		370	ug/kg	1
Fluorene	86-73-7	8270C	ND		370	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		370	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		370	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		940	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		370	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		370	ug/kg	1

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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS40**
Date Sampled: **05/25/2007 0810**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-001**
Matrix: **Solid**
% Solids: **88.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1355	DC	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		370	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		370	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		370	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		760	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		370	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		370	ug/kg	1
Naphthalene	91-20-3	8270C	ND		370	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		370	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		370	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		370	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		370	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		370	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		940	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		940	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		370	ug/kg	1
Phenol	108-95-2	8270C	ND		370	ug/kg	1
Pyrene	129-00-0	8270C	ND		370	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		370	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		370	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		79	30-117
2-Fluorobiphenyl		68	33-102
2-Fluorophenol		73	28-104
Nitrobenzene-d5		62	22-109
Phenol-d5		75	27-103
Terphenyl-d14		76	41-120

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PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS40**
Date Sampled: **05/25/2007 0810**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-001**
Matrix: **Solid**
% Solids: **88.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	06/01/2007 2338	NWD	05/29/2007 1356	58346

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		97	50-130
Tetrachloro-m-xylene		77	50-130

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Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS40**
Date Sampled: **05/25/2007 0810**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-001**
Matrix: **Solid**
% Solids: **88.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/05/2007 0341	LH	05/29/2007 1356	58347

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		1.9	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		1.9	ug/kg	1
beta-BHC	319-85-7	8081A	ND		1.9	ug/kg	1
delta-BHC	319-86-8	8081A	ND		1.9	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		1.9	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		1.9	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		1.9	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		1.9	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		1.9	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		1.9	ug/kg	1
Dieldrin	60-57-1	8081A	ND		1.9	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		1.9	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		1.9	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		1.9	ug/kg	1
Endrin	72-20-8	8081A	ND		1.9	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		1.9	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		1.9	ug/kg	1
Heptachlor	76-44-8	8081A	ND		1.9	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		1.9	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.6	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		94	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		80	50-130
Tetrachloro-m-xylene		73	50-130

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TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS40**
Date Sampled: **05/25/2007 0810**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-001**
Matrix: **Solid**
% Solids: **88.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 2105	NCM	05/30/2007 0945	58430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		**8015B**	**20000**		**7600**	**ug/kg**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		85	50-130

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TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS40**
Date Sampled: **05/25/2007 0810**
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Laboratory ID: **IE26015-001**
Matrix: **Solid**
% Solids: **88.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	06/05/2007 0217	JGR		58757

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		4800	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		60	45-132

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TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS40**
Date Sampled: **05/25/2007 0810**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-001**
Matrix: **Solid**
% Solids: **88.1** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/30/2007 0005	FLW	05/29/2007 1858	58403
1	3050B	6010B	1	06/09/2007 0405	KJC	06/05/2007 1300	58739

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**11000**		**11**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.57	mg/kg	1
Arsenic	7440-38-2	6010B	ND		0.57	mg/kg	1
Barium	**7440-39-3**	**6010B**	**15**		**1.5**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.23	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.11	mg/kg	1
Calcium	**7440-70-2**	**6010B**	**1200**		**280**	**mg/kg**	**1**
Chromium	**7440-47-3**	**6010B**	**11**		**0.28**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.5	mg/kg	1
Copper	**7440-50-8**	**6010B**	**1.3**		**0.28**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**3200**		**5.7**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**5.8**		**0.57**	**mg/kg**	**1**
Magnesium	**7439-95-4**	**6010B**	**430**		**280**	**mg/kg**	**1**
Manganese	**7439-96-5**	**6010B**	**16**		**0.85**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.094	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.3	mg/kg	1
Potassium	**7440-09-7**	**6010B**	**470**		**280**	**mg/kg**	**1**
Selenium	7782-49-2	6010B	ND		0.57	mg/kg	1
Silver	7440-22-4	6010B	ND		0.28	mg/kg	1
Sodium	7440-23-5	6010B	ND		280	mg/kg	1
Thallium	7440-28-0	6010B	ND		2.8	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**14**		**2.8**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**12**		**2.8**	**mg/kg**	**1**

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J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS41**
Date Sampled: **05/25/2007 0840**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-002**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0905	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/28/2007 1600	KLW		58509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.57	mg/kg	1
TOC		**Walkley-Black**	**1700**		**200**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS41**
Date Sampled: **05/25/2007 0840**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-002**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1427	CMS		58496	6.81

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	**67-64-1**	**8260B**	**120**		**17**	**ug/kg**	**1**
Benzene	71-43-2	8260B	ND		4.2	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		4.2	ug/kg	1
Bromoform	75-25-2	8260B	ND		4.2	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		4.2	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		8.4	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		4.2	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		4.2	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		4.2	ug/kg	1
Chloroethane	75-00-3	8260B	ND		4.2	ug/kg	1
Chloroform	67-66-3	8260B	ND		4.2	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		4.2	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		4.2	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		4.2	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		4.2	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		4.2	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		4.2	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		4.2	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		4.2	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		4.2	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		4.2	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		4.2	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		4.2	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		4.2	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		4.2	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		4.2	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		4.2	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		4.2	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		4.2	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		8.4	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		4.2	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		4.2	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		4.2	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		8.4	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		4.2	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		4.2	ug/kg	1
Styrene	100-42-5	8260B	ND		4.2	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		4.2	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		4.2	ug/kg	1
Toluene	108-88-3	8260B	ND		4.2	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		4.2	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		4.2	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		4.2	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		4.2	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		4.2	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		4.2	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Laboratory ID: **IE26015-002**
Description: **MMRP 06-IS41**
Matrix: **Solid**
Date Sampled: **05/25/2007 0840**
% Solids: **87.4** **05/28/2007 0246**
Date Received: **05/26/2007**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1427	CMS		58496	6.81

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		4.2	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		4.2	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		106	53-142
Bromofluorobenzene		105	47-138
Toluene-d8		98	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS41**
Date Sampled: **05/25/2007 0840**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-002**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1417	DC	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		380	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		380	ug/kg	1
Acetophenone	98-86-2	8270C	ND		380	ug/kg	1
Anthracene	120-12-7	8270C	ND		380	ug/kg	1
Atrazine	1912-24-9	8270C	ND		380	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		950	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		380	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		380	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		380	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		380	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		380	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		380	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		380	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		380	ug/kg	1
Caprolactam	105-60-2	8270C	ND		950	ug/kg	1
Carbazole	86-74-8	8270C	ND		380	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		380	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		380	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		380	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		380	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		380	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		380	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		380	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		380	ug/kg	1
Chrysene	218-01-9	8270C	ND		380	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		380	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		380	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		380	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		380	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		950	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		380	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		380	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		380	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		380	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		950	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		950	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		380	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		380	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		380	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		380	ug/kg	1
Fluorene	86-73-7	8270C	ND		380	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		380	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		380	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		950	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		380	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		380	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS41**
Date Sampled: **05/25/2007 0840**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-002**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1417	DC	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		380	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		380	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		380	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		770	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		380	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		380	ug/kg	1
Naphthalene	91-20-3	8270C	ND		380	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		380	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		380	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		380	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		380	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		380	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		950	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		950	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		380	ug/kg	1
Phenol	108-95-2	8270C	ND		380	ug/kg	1
Pyrene	129-00-0	8270C	ND		380	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		380	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		380	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		89	30-117
2-Fluorobiphenyl		72	33-102
2-Fluorophenol		80	28-104
Nitrobenzene-d5		65	22-109
Phenol-d5		80	27-103
Terphenyl-d14		85	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS41**
Date Sampled: **05/25/2007 0840**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-002**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	06/01/2007 2355	NWD	05/29/2007 1356	58346

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		19	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		19	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		19	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		19	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		19	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		19	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		19	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		91	50-130
Tetrachloro-m-xylene		68	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS41**
Date Sampled: **05/25/2007 0840**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-002**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/05/2007 0356	LH	05/29/2007 1356	58347

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		1.9	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		1.9	ug/kg	1
beta-BHC	319-85-7	8081A	ND		1.9	ug/kg	1
delta-BHC	319-86-8	8081A	ND		1.9	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		1.9	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		1.9	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		1.9	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		1.9	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		1.9	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		1.9	ug/kg	1
Dieldrin	60-57-1	8081A	ND		1.9	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		1.9	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		1.9	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		1.9	ug/kg	1
Endrin	72-20-8	8081A	ND		1.9	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		1.9	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		1.9	ug/kg	1
Heptachlor	76-44-8	8081A	ND		1.9	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		1.9	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		7.7	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		95	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		84	50-130
Tetrachloro-m-xylene		73	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS41**
Date Sampled: **05/25/2007 0840**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-002**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 2131	NCM	05/30/2007 0945	58430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		7700	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		84	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS41**
Date Sampled: **05/25/2007 0840**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-002**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	06/05/2007 0242	JGR		58757

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		4600	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		60	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS41**
Date Sampled: **05/25/2007 0840**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-002**
Matrix: **Solid**
% Solids: **87.4** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/30/2007 0007	FLW	05/29/2007 1858	58403
1	3050B	6010B	1	06/09/2007 0411	KJC	06/05/2007 1300	58739

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**6500**		**11**	**mg/kg**	**1**
Antimony	7440-36-0	6010B	ND		0.57	mg/kg	1
Arsenic	7440-38-2	6010B	ND		0.57	mg/kg	1
Barium	**7440-39-3**	**6010B**	**12**		**1.5**	**mg/kg**	**1**
Beryllium	7440-41-7	6010B	ND		0.23	mg/kg	1
Cadmium	7440-43-9	6010B	ND		0.11	mg/kg	1
Calcium	**7440-70-2**	**6010B**	**320**		**280**	**mg/kg**	**1**
Chromium	**7440-47-3**	**6010B**	**6.0**		**0.28**	**mg/kg**	**1**
Cobalt	7440-48-4	6010B	ND		1.5	mg/kg	1
Copper	**7440-50-8**	**6010B**	**0.92**		**0.28**	**mg/kg**	**1**
Iron	**7439-89-6**	**6010B**	**2000**		**5.7**	**mg/kg**	**1**
Lead	**7439-92-1**	**6010B**	**4.2**		**0.57**	**mg/kg**	**1**
Magnesium	7439-95-4	6010B	ND		280	mg/kg	1
Manganese	**7439-96-5**	**6010B**	**15**		**0.86**	**mg/kg**	**1**
Mercury	7439-97-6	7471A	ND		0.095	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.3	mg/kg	1
Potassium	7440-09-7	6010B	ND		280	mg/kg	1
Selenium	7782-49-2	6010B	ND		0.57	mg/kg	1
Silver	7440-22-4	6010B	ND		0.28	mg/kg	1
Sodium	7440-23-5	6010B	ND		280	mg/kg	1
Thallium	7440-28-0	6010B	ND		2.8	mg/kg	1
Vanadium	**7440-62-2**	**6010B**	**7.7**		**2.8**	**mg/kg**	**1**
Zinc	**7440-66-6**	**6010B**	**18**		**2.8**	**mg/kg**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Inorganic non-metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS42**
Date Sampled: **05/25/2007 0910**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-003**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(Cyanide - To) 9012A	1	06/01/2007 0905	BMG	05/29/2007 1230	58412
1		(TOC) Walkley-Black	1	05/28/2007 1600	KLW		58509

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Cyanide - Total	57-12-5	9012A	ND		0.69	mg/kg	1
TOC		Walkley-Black	ND		190	mg/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS42**
Date Sampled: **05/25/2007 0910**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-003**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1451	CMS		58496	5.85

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		24	ug/kg	1
Benzene	71-43-2	8260B	ND		5.9	ug/kg	1
Bromodichloromethane	75-27-4	8260B	ND		5.9	ug/kg	1
Bromoform	75-25-2	8260B	ND		5.9	ug/kg	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		5.9	ug/kg	1
2-Butanone (MEK)	78-93-3	8260B	ND		12	ug/kg	1
Carbon disulfide	75-15-0	8260B	ND		5.9	ug/kg	1
Carbon tetrachloride	56-23-5	8260B	ND		5.9	ug/kg	1
Chlorobenzene	108-90-7	8260B	ND		5.9	ug/kg	1
Chloroethane	75-00-3	8260B	ND		5.9	ug/kg	1
Chloroform	67-66-3	8260B	ND		5.9	ug/kg	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		5.9	ug/kg	1
Cyclohexane	110-82-7	8260B	ND		5.9	ug/kg	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		5.9	ug/kg	1
Dibromochloromethane	124-48-1	8260B	ND		5.9	ug/kg	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		5.9	ug/kg	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		5.9	ug/kg	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		5.9	ug/kg	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		5.9	ug/kg	1
Dichlorodifluoromethane	75-71-8	8260B	ND		5.9	ug/kg	1
1,1-Dichloroethane	75-34-3	8260B	ND		5.9	ug/kg	1
1,2-Dichloroethane	107-06-2	8260B	ND		5.9	ug/kg	1
1,1-Dichloroethene	75-35-4	8260B	ND		5.9	ug/kg	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		5.9	ug/kg	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		5.9	ug/kg	1
1,2-Dichloropropane	78-87-5	8260B	ND		5.9	ug/kg	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		5.9	ug/kg	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		5.9	ug/kg	1
Ethylbenzene	100-41-4	8260B	ND		5.9	ug/kg	1
2-Hexanone	591-78-6	8260B	ND		12	ug/kg	1
Isopropylbenzene	98-82-8	8260B	ND		5.9	ug/kg	1
Methyl acetate	79-20-9	8260B	ND		5.9	ug/kg	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		5.9	ug/kg	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		12	ug/kg	1
Methylcyclohexane	108-87-2	8260B	ND		5.9	ug/kg	1
Methylene chloride	75-09-2	8260B	ND		5.9	ug/kg	1
Styrene	100-42-5	8260B	ND		5.9	ug/kg	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		5.9	ug/kg	1
Tetrachloroethene	127-18-4	8260B	ND		5.9	ug/kg	1
Toluene	108-88-3	8260B	ND		5.9	ug/kg	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		5.9	ug/kg	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		5.9	ug/kg	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		5.9	ug/kg	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		5.9	ug/kg	1
Trichloroethene	79-01-6	8260B	ND		5.9	ug/kg	1
Trichlorofluoromethane	75-69-4	8260B	ND		5.9	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Volatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS42**
Date Sampled: **05/25/2007 0910**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-003**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	Sample Wt.(g)
1	5035	8260B	1	05/30/2007 1451	CMS		58496	5.85

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Vinyl chloride	75-01-4	8260B	ND		5.9	ug/kg	1
Xylenes (total)	1330-20-7	8260B	ND		5.9	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		108	53-142
Bromofluorobenzene		104	47-138
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS42**
Date Sampled: **05/25/2007 0910**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-003**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1438	DC	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acenaphthene	83-32-9	8270C	ND		450	ug/kg	1
Acenaphthylene	208-96-8	8270C	ND		450	ug/kg	1
Acetophenone	98-86-2	8270C	ND		450	ug/kg	1
Anthracene	120-12-7	8270C	ND		450	ug/kg	1
Atrazine	1912-24-9	8270C	ND		450	ug/kg	1
Benzaldehyde	100-52-7	8270C	ND		1100	ug/kg	1
Benzo(a)anthracene	56-55-3	8270C	ND		450	ug/kg	1
Benzo(a)pyrene	50-32-8	8270C	ND		450	ug/kg	1
Benzo(b)fluoranthene	205-99-2	8270C	ND		450	ug/kg	1
Benzo(g,h,i)perylene	191-24-2	8270C	ND		450	ug/kg	1
Benzo(k)fluoranthene	207-08-9	8270C	ND		450	ug/kg	1
1,1'-Biphenyl	92-52-4	8270C	ND		450	ug/kg	1
4-Bromophenyl phenyl ether	101-55-3	8270C	ND		450	ug/kg	1
Butyl benzyl phthalate	85-68-7	8270C	ND		450	ug/kg	1
Caprolactam	105-60-2	8270C	ND		1100	ug/kg	1
Carbazole	86-74-8	8270C	ND		450	ug/kg	1
4-Chloro-3-methyl phenol	59-50-7	8270C	ND		450	ug/kg	1
4-Chloroaniline	106-47-8	8270C	ND		450	ug/kg	1
bis(2-Chloroethoxy)methane	111-91-1	8270C	ND		450	ug/kg	1
bis(2-Chloroethyl)ether	111-44-4	8270C	ND		450	ug/kg	1
bis(2-Chloroisopropyl)ether	108-60-1	8270C	ND		450	ug/kg	1
2-Chloronaphthalene	91-58-7	8270C	ND		450	ug/kg	1
2-Chlorophenol	95-57-8	8270C	ND		450	ug/kg	1
4-Chlorophenyl phenyl ether	7005-72-3	8270C	ND		450	ug/kg	1
Chrysene	218-01-9	8270C	ND		450	ug/kg	1
Di-n-butyl phthalate	84-74-2	8270C	ND		450	ug/kg	1
Di-n-octylphthalate	117-84-0	8270C	ND		450	ug/kg	1
Dibenzo(a,h)anthracene	53-70-3	8270C	ND		450	ug/kg	1
Dibenzofuran	132-64-9	8270C	ND		450	ug/kg	1
3,3'-Dichlorobenzidine	91-94-1	8270C	ND		1100	ug/kg	1
2,4-Dichlorophenol	120-83-2	8270C	ND		450	ug/kg	1
Diethylphthalate	84-66-2	8270C	ND		450	ug/kg	1
Dimethyl phthalate	131-11-3	8270C	ND		450	ug/kg	1
2,4-Dimethylphenol	105-67-9	8270C	ND		450	ug/kg	1
4,6-Dinitro-2-methylphenol	534-52-1	8270C	ND		1100	ug/kg	1
2,4-Dinitrophenol	51-28-5	8270C	ND		1100	ug/kg	1
2,4-Dinitrotoluene	121-14-2	8270C	ND		450	ug/kg	1
2,6-Dinitrotoluene	606-20-2	8270C	ND		450	ug/kg	1
bis(2-Ethylhexyl)phthalate	117-81-7	8270C	ND		450	ug/kg	1
Fluoranthene	206-44-0	8270C	ND		450	ug/kg	1
Fluorene	86-73-7	8270C	ND		450	ug/kg	1
Hexachlorobenzene	118-74-1	8270C	ND		450	ug/kg	1
Hexachlorobutadiene	87-68-3	8270C	ND		450	ug/kg	1
Hexachlorocyclopentadiene	77-47-4	8270C	ND		1100	ug/kg	1
Hexachloroethane	67-72-1	8270C	ND		450	ug/kg	1
Indeno(1,2,3-c,d)pyrene	193-39-5	8270C	ND		450	ug/kg	1

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

Semivolatile Organic Compounds by GC/MS

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS42**
Date Sampled: **05/25/2007 0910**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-003**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8270C	1	06/01/2007 1438	DC	05/31/2007 1335	58522

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Isophorone	78-59-1	8270C	ND		450	ug/kg	1
2-Methylnaphthalene	91-57-6	8270C	ND		450	ug/kg	1
2-Methylphenol	95-48-7	8270C	ND		450	ug/kg	1
3 & 4-Methylphenol	106-44-5	8270C	ND		920	ug/kg	1
N-Nitrosodi-n-propylamine	621-64-7	8270C	ND		450	ug/kg	1
N-Nitrosodiphenylamine/Diphenylamine	86-30-6	8270C	ND		450	ug/kg	1
Naphthalene	91-20-3	8270C	ND		450	ug/kg	1
2-Nitroaniline	88-74-4	8270C	ND		450	ug/kg	1
3-Nitroaniline	99-09-2	8270C	ND		450	ug/kg	1
4-Nitroaniline	100-01-6	8270C	ND		450	ug/kg	1
Nitrobenzene	98-95-3	8270C	ND		450	ug/kg	1
2-Nitrophenol	88-75-5	8270C	ND		450	ug/kg	1
4-Nitrophenol	100-02-7	8270C	ND		1100	ug/kg	1
Pentachlorophenol	87-86-5	8270C	ND		1100	ug/kg	1
Phenanthrene	85-01-8	8270C	ND		450	ug/kg	1
Phenol	108-95-2	8270C	ND		450	ug/kg	1
Pyrene	129-00-0	8270C	ND		450	ug/kg	1
2,4,5-Trichlorophenol	95-95-4	8270C	ND		450	ug/kg	1
2,4,6-Trichlorophenol	88-06-2	8270C	ND		450	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2,4,6-Tribromophenol		83	30-117
2-Fluorobiphenyl		68	33-102
2-Fluorophenol		72	28-104
Nitrobenzene-d5		56	22-109
Phenol-d5		73	27-103
Terphenyl-d14		87	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

PCBs by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS42**
Date Sampled: **05/25/2007 0910**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-003**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8082	1	06/02/2007 0011	NWD	05/29/2007 1356	58346

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aroclor 1016	12674-11-2	8082	ND		23	ug/kg	1
Aroclor 1221	11104-28-2	8082	ND		23	ug/kg	1
Aroclor 1232	11141-16-5	8082	ND		23	ug/kg	1
Aroclor 1242	53469-21-9	8082	ND		23	ug/kg	1
Aroclor 1248	12672-29-6	8082	ND		23	ug/kg	1
Aroclor 1254	11097-69-1	8082	ND		23	ug/kg	1
Aroclor 1260	11096-82-5	8082	ND		23	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		95	50-130
Tetrachloro-m-xylene		88	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Organochlorine Pesticides by GC

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS42**
Date Sampled: **05/25/2007 0910**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-003**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8081A	1	06/05/2007 0412	LH	05/29/2007 1356	58347

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aldrin	309-00-2	8081A	ND		2.3	ug/kg	1
alpha-BHC	319-84-6	8081A	ND		2.3	ug/kg	1
beta-BHC	319-85-7	8081A	ND		2.3	ug/kg	1
delta-BHC	319-86-8	8081A	ND		2.3	ug/kg	1
gamma-BHC (Lindane)	58-89-9	8081A	ND		2.3	ug/kg	1
alpha-Chlordane	5103-71-9	8081A	ND		2.3	ug/kg	1
gamma-Chlordane	5103-74-2	8081A	ND		2.3	ug/kg	1
4,4'-DDD	72-54-8	8081A	ND		2.3	ug/kg	1
4,4'-DDE	72-55-9	8081A	ND		2.3	ug/kg	1
4,4'-DDT	50-29-3	8081A	ND		2.3	ug/kg	1
Dieldrin	60-57-1	8081A	ND		2.3	ug/kg	1
Endosulfan I	959-98-8	8081A	ND		2.3	ug/kg	1
Endosulfan II	33213-65-9	8081A	ND		2.3	ug/kg	1
Endosulfan sulfate	1031-07-8	8081A	ND		2.3	ug/kg	1
Endrin	72-20-8	8081A	ND		2.3	ug/kg	1
Endrin aldehyde	7421-93-4	8081A	ND		2.3	ug/kg	1
Endrin ketone	53494-70-5	8081A	ND		2.3	ug/kg	1
Heptachlor	76-44-8	8081A	ND		2.3	ug/kg	1
Heptachlor epoxide	1024-57-3	8081A	ND		2.3	ug/kg	1
Methoxychlor	72-43-5	8081A	ND		9.2	ug/kg	1
Toxaphene	8001-35-2	8081A	ND		110	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Decachlorobiphenyl		82	50-130
Tetrachloro-m-xylene		80	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - DRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS42**
Date Sampled: **05/25/2007 0910**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-003**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3550B	8015B	1	05/31/2007 2157	NCM	05/30/2007 0945	58430

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-DRO		8015B	ND		9200	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
o - Terphenyl		84	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TPH - GRO

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS42**
Date Sampled: **05/25/2007 0910**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-003**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8015B	1	06/05/2007 0307	JGR		58757

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
TPH-GRO		8015B	ND		6400	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		61	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria

TAL Metals

Client: **ARCADIS U.S., Inc.**
Description: **MMRP 06-IS42**
Date Sampled: **05/25/2007 0910**
Date Received: **05/26/2007**

Laboratory ID: **IE26015-003**
Matrix: **Solid**
% Solids: **72.7** **05/28/2007 0246**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		7471A	1	05/30/2007 0008	FLW	05/29/2007 1858	58403
2	3050B	6010B	1	06/13/2007 1038	MNM	06/12/2007 1345	59077

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Aluminum	**7429-90-5**	**6010B**	**5500**		**14**	**mg/kg**	**2**
Antimony	7440-36-0	6010B	ND		0.69	mg/kg	2
Arsenic	**7440-38-2**	**6010B**	**2.7**		**0.69**	**mg/kg**	**2**
Barium	**7440-39-3**	**6010B**	**6.6**		**1.8**	**mg/kg**	**2**
Beryllium	7440-41-7	6010B	ND		0.27	mg/kg	2
Cadmium	7440-43-9	6010B	ND		0.14	mg/kg	2
Calcium	7440-70-2	6010B	ND		340	mg/kg	2
Chromium	**7440-47-3**	**6010B**	**6.9**		**0.34**	**mg/kg**	**2**
Cobalt	7440-48-4	6010B	ND		1.8	mg/kg	2
Copper	**7440-50-8**	**6010B**	**0.71**		**0.34**	**mg/kg**	**2**
Iron	**7439-89-6**	**6010B**	**2400**		**6.9**	**mg/kg**	**2**
Lead	**7439-92-1**	**6010B**	**4.1**		**0.69**	**mg/kg**	**2**
Magnesium	7439-95-4	6010B	ND		340	mg/kg	2
Manganese	**7439-96-5**	**6010B**	**9.1**		**1.0**	**mg/kg**	**2**
Mercury	7439-97-6	7471A	ND		0.11	mg/kg	1
Nickel	7440-02-0	6010B	ND		2.7	mg/kg	2
Potassium	7440-09-7	6010B	ND		340	mg/kg	2
Selenium	7782-49-2	6010B	ND		0.69	mg/kg	2
Silver	7440-22-4	6010B	ND		0.34	mg/kg	2
Sodium	7440-23-5	6010B	ND		340	mg/kg	2
Thallium	7440-28-0	6010B	ND		3.4	mg/kg	2
Vanadium	**7440-62-2**	**6010B**	**8.3**		**3.4**	**mg/kg**	**2**
Zinc	7440-66-6	6010B	ND		3.4	mg/kg	2

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Inorganic non-metals - MB

Sample ID: IQ58412-001
Batch: 58412
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 1230

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Cyanide - Total	ND		1	0.50	mg/kg	06/01/2007 0832

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCS

Sample ID: IQ58412-002
Batch: 58412
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 1230

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Cyanide - Total	5.0	4.6		1	92	90-110	06/01/2007 0906

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCSD

Sample ID: IQ58412-003
Batch: 58412
Analytical Method: 9012A

Matrix: Solid
Prep Method:
Prep Date: 05/29/2007 1230

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Cyanide - Total	5.0	4.9		1	98	6.5	90-110	20	06/01/2007 0833

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MB

Sample ID: IQ58509-001
Batch: 58509
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TOC	ND		1	200	mg/kg	05/28/2007 1600

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCS

Sample ID: IQ58509-002 **Matrix:** Solid
Batch: 58509
Analytical Method: Walkley-Black

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TOC	1000	1000		1	106	80-120	05/28/2007 1600

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - LCSD

Sample ID: IQ58509-003 **Matrix:** Solid
Batch: 58509
Analytical Method: Walkley-Black

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TOC	1000	1000		1	102	3.4	80-120	20	05/28/2007 1600

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MS

Sample ID: IE26015-001MS
Batch: 58509
Analytical Method: Walkley-Black

Matrix: Solid

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TOC	740	980	810	N	1	7.0	70-130	05/28/2007 1600

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Inorganic non-metals - MSD

Sample ID: IE26015-001MD
Batch: 58509
Analytical Method: Walkley-Black
Matrix: Solid

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TOC	740	980	740	N	1	0.045	8.9	70-130	20	05/28/2007 1600

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58496-001
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	20	ug/kg	05/30/2007 0858
Benzene	ND		1	5.0	ug/kg	05/30/2007 0858
Bromodichloromethane	ND		1	5.0	ug/kg	05/30/2007 0858
Bromoform	ND		1	5.0	ug/kg	05/30/2007 0858
Bromomethane (Methyl bromide)	ND		1	5.0	ug/kg	05/30/2007 0858
2-Butanone (MEK)	ND		1	10	ug/kg	05/30/2007 0858
Carbon disulfide	ND		1	5.0	ug/kg	05/30/2007 0858
Carbon tetrachloride	ND		1	5.0	ug/kg	05/30/2007 0858
Chlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
Chloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
Chloroform	ND		1	5.0	ug/kg	05/30/2007 0858
Chloromethane (Methyl chloride)	ND		1	5.0	ug/kg	05/30/2007 0858
Cyclohexane	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	5.0	ug/kg	05/30/2007 0858
Dibromochloromethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dibromoethane (EDB)	ND		1	5.0	ug/kg	05/30/2007 0858
1,4-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
1,3-Dichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
Dichlorodifluoromethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dichloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,1-Dichloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,1-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
cis-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
trans-1,2-Dichloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
1,2-Dichloropropane	ND		1	5.0	ug/kg	05/30/2007 0858
cis-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/30/2007 0858
trans-1,3-Dichloropropene	ND		1	5.0	ug/kg	05/30/2007 0858
Ethylbenzene	ND		1	5.0	ug/kg	05/30/2007 0858
2-Hexanone	ND		1	10	ug/kg	05/30/2007 0858
Isopropylbenzene	ND		1	5.0	ug/kg	05/30/2007 0858
Methyl acetate	ND		1	5.0	ug/kg	05/30/2007 0858
Methyl tertiary butyl ether (MTBE)	ND		1	5.0	ug/kg	05/30/2007 0858
4-Methyl-2-pentanone	ND		1	10	ug/kg	05/30/2007 0858
Methylcyclohexane	ND		1	5.0	ug/kg	05/30/2007 0858
Methylene chloride	ND		1	5.0	ug/kg	05/30/2007 0858
Styrene	ND		1	5.0	ug/kg	05/30/2007 0858
1,1,2,2-Tetrachloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
Tetrachloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
Toluene	ND		1	5.0	ug/kg	05/30/2007 0858
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,2,4-Trichlorobenzene	ND		1	5.0	ug/kg	05/30/2007 0858
1,1,2-Trichloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
1,1,1-Trichloroethane	ND		1	5.0	ug/kg	05/30/2007 0858
Trichloroethene	ND		1	5.0	ug/kg	05/30/2007 0858
Trichlorofluoromethane	ND		1	5.0	ug/kg	05/30/2007 0858

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: IQ58496-001
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Vinyl chloride	ND		1	5.0	ug/kg	05/30/2007 0858
Xylenes (total)	ND		1	5.0	ug/kg	05/30/2007 0858

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	47-138
1,2-Dichloroethane-d4		101	53-142
Toluene-d8		99	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58496-002
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	100		1	106	42-149	05/30/2007 0812
Benzene	50	50		1	100	69-123	05/30/2007 0812
Bromodichloromethane	50	52		1	104	69-121	05/30/2007 0812
Bromoform	50	46		1	93	61-119	05/30/2007 0812
Bromomethane (Methyl bromide)	50	46		1	93	35-144	05/30/2007 0812
2-Butanone (MEK)	100	100		1	105	57-148	05/30/2007 0812
Carbon disulfide	50	48		1	95	58-122	05/30/2007 0812
Carbon tetrachloride	50	55		1	110	58-136	05/30/2007 0812
Chlorobenzene	50	52		1	104	59-129	05/30/2007 0812
Chloroethane	50	46		1	92	50-132	05/30/2007 0812
Chloroform	50	54		1	107	71-125	05/30/2007 0812
Chloromethane (Methyl chloride)	50	45		1	90	34-134	05/30/2007 0812
Cyclohexane	50	54		1	107	53-139	05/30/2007 0812
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	96	55-125	05/30/2007 0812
Dibromochloromethane	50	49		1	98	66-119	05/30/2007 0812
1,2-Dibromoethane (EDB)	50	54		1	107	74-124	05/30/2007 0812
1,4-Dichlorobenzene	50	53		1	106	52-133	05/30/2007 0812
1,2-Dichlorobenzene	50	54		1	107	57-131	05/30/2007 0812
1,3-Dichlorobenzene	50	53		1	107	51-134	05/30/2007 0812
Dichlorodifluoromethane	50	46		1	91	10-157	05/30/2007 0812
1,2-Dichloroethane	50	57		1	113	67-129	05/30/2007 0812
1,1-Dichloroethane	50	53		1	106	71-127	05/30/2007 0812
1,1-Dichloroethene	50	54		1	108	69-138	05/30/2007 0812
cis-1,2-Dichloroethene	50	50		1	101	70-122	05/30/2007 0812
trans-1,2-Dichloroethene	50	52		1	104	68-131	05/30/2007 0812
1,2-Dichloropropane	50	53		1	105	72-124	05/30/2007 0812
cis-1,3-Dichloropropene	50	53		1	105	70-126	05/30/2007 0812
trans-1,3-Dichloropropene	50	54		1	108	70-124	05/30/2007 0812
Ethylbenzene	50	51		1	101	59-128	05/30/2007 0812
2-Hexanone	100	100		1	104	54-137	05/30/2007 0812
Isopropylbenzene	50	53		1	105	50-136	05/30/2007 0812
Methyl acetate	50	54		1	107	59-137	05/30/2007 0812
Methyl tertiary butyl ether (MTBE)	50	53		1	107	72-122	05/30/2007 0812
4-Methyl-2-pentanone	100	100		1	106	60-134	05/30/2007 0812
Methylcyclohexane	50	51		1	102	41-144	05/30/2007 0812
Methylene chloride	50	55		1	110	77-129	05/30/2007 0812
Styrene	50	52		1	103	54-136	05/30/2007 0812
1,1,2,2-Tetrachloroethane	50	55		1	109	69-132	05/30/2007 0812
Tetrachloroethene	50	50		1	101	50-115	05/30/2007 0812
Toluene	50	50		1	100	61-129	05/30/2007 0812
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	50		1	101	49-136	05/30/2007 0812
1,2,4-Trichlorobenzene	50	53		1	105	34-145	05/30/2007 0812
1,1,2-Trichloroethane	50	53		1	106	55-128	05/30/2007 0812
1,1,1-Trichloroethane	50	52		1	104	63-128	05/30/2007 0812
Trichloroethene	50	50		1	100	62-126	05/30/2007 0812
Trichlorofluoromethane	50	52		1	104	45-138	05/30/2007 0812

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58496-002
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Vinyl chloride	50	44		1	88	42-132	05/30/2007 0812
Xylenes (total)	100	100		1	101	58-128	05/30/2007 0812

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	47-138
1,2-Dichloroethane-d4		106	53-142
Toluene-d8		102	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58496-003
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	91		1	91	15	42-149	20	05/30/2007 0835
Benzene	50	50		1	99	1.3	69-123	20	05/30/2007 0835
Bromodichloromethane	50	51		1	102	1.5	69-121	20	05/30/2007 0835
Bromoform	50	46		1	92	1.5	61-119	20	05/30/2007 0835
Bromomethane (Methyl bromide)	50	45		1	90	2.7	35-144	20	05/30/2007 0835
2-Butanone (MEK)	100	94		1	94	10	57-148	20	05/30/2007 0835
Carbon disulfide	50	47		1	94	1.7	58-122	20	05/30/2007 0835
Carbon tetrachloride	50	54		1	109	0.94	58-136	20	05/30/2007 0835
Chlorobenzene	50	50		1	101	2.7	59-129	20	05/30/2007 0835
Chloroethane	50	46		1	92	0.15	50-132	20	05/30/2007 0835
Chloroform	50	52		1	105	1.9	71-125	20	05/30/2007 0835
Chloromethane (Methyl chloride)	50	44		1	89	1.5	34-134	20	05/30/2007 0835
Cyclohexane	50	52		1	105	2.2	53-139	20	05/30/2007 0835
1,2-Dibromo-3-chloropropane (DBCP)	50	44		1	87	9.5	55-125	20	05/30/2007 0835
Dibromochloromethane	50	48		1	97	1.5	66-119	20	05/30/2007 0835
1,2-Dibromoethane (EDB)	50	51		1	103	4.2	74-124	20	05/30/2007 0835
1,4-Dichlorobenzene	50	51		1	103	3.2	52-133	20	05/30/2007 0835
1,2-Dichlorobenzene	50	52		1	104	3.0	57-131	20	05/30/2007 0835
1,3-Dichlorobenzene	50	52		1	104	2.3	51-134	20	05/30/2007 0835
Dichlorodifluoromethane	50	43		1	87	4.7	10-157	20	05/30/2007 0835
1,2-Dichloroethane	50	55		1	110	3.0	67-129	20	05/30/2007 0835
1,1-Dichloroethane	50	52		1	103	2.5	71-127	20	05/30/2007 0835
1,1-Dichloroethene	50	53		1	106	2.3	69-138	20	05/30/2007 0835
cis-1,2-Dichloroethene	50	49		1	98	2.9	70-122	20	05/30/2007 0835
trans-1,2-Dichloroethene	50	50		1	100	3.1	68-131	20	05/30/2007 0835
1,2-Dichloropropane	50	52		1	103	2.0	72-124	20	05/30/2007 0835
cis-1,3-Dichloropropene	50	52		1	104	1.8	70-126	20	05/30/2007 0835
trans-1,3-Dichloropropene	50	52		1	104	3.9	70-124	20	05/30/2007 0835
Ethylbenzene	50	49		1	98	3.3	59-128	20	05/30/2007 0835
2-Hexanone	100	93		1	93	12	54-137	20	05/30/2007 0835
Isopropylbenzene	50	52		1	105	0.20	50-136	20	05/30/2007 0835
Methyl acetate	50	49		1	98	9.1	59-137	20	05/30/2007 0835
Methyl tertiary butyl ether (MTBE)	50	50		1	101	5.6	72-122	20	05/30/2007 0835
4-Methyl-2-pentanone	100	97		1	97	8.6	60-134	20	05/30/2007 0835
Methylcyclohexane	50	50		1	100	2.6	41-144	20	05/30/2007 0835
Methylene chloride	50	55		1	110	0.47	77-129	20	05/30/2007 0835
Styrene	50	50		1	101	2.4	54-136	20	05/30/2007 0835
1,1,2,2-Tetrachloroethane	50	51		1	102	6.3	69-132	20	05/30/2007 0835
Tetrachloroethene	50	49		1	98	2.7	50-115	20	05/30/2007 0835
Toluene	50	49		1	98	2.0	61-129	20	05/30/2007 0835
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	96	5.1	49-136	20	05/30/2007 0835
1,2,4-Trichlorobenzene	50	48		1	96	9.4	34-145	20	05/30/2007 0835
1,1,2-Trichloroethane	50	52		1	103	2.9	55-128	20	05/30/2007 0835
1,1,1-Trichloroethane	50	51		1	102	1.2	63-128	20	05/30/2007 0835
Trichloroethene	50	50		1	99	0.33	62-126	20	05/30/2007 0835
Trichlorofluoromethane	50	51		1	102	2.5	45-138	20	05/30/2007 0835

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: IQ58496-003
Batch: 58496
Analytical Method: 8260B

Matrix: Solid
Prep Method: 5035

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Vinyl chloride	50	45		1	90	1.8	42-132	20	05/30/2007 0835
Xylenes (total)	100	99		1	99	1.8	58-128	20	05/30/2007 0835

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	47-138
1,2-Dichloroethane-d4		102	53-142
Toluene-d8		100	68-124

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: IQ58522-001
Batch: 58522
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/31/2007 1335

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acenaphthene	ND		1	330	ug/kg	06/01/2007 1334
Acenaphthylene	ND		1	330	ug/kg	06/01/2007 1334
Acetophenone	ND		1	330	ug/kg	06/01/2007 1334
Anthracene	ND		1	330	ug/kg	06/01/2007 1334
Atrazine	ND		1	330	ug/kg	06/01/2007 1334
Benzaldehyde	ND		1	830	ug/kg	06/01/2007 1334
Benzo(a)anthracene	ND		1	330	ug/kg	06/01/2007 1334
Benzo(a)pyrene	ND		1	330	ug/kg	06/01/2007 1334
Benzo(b)fluoranthene	ND		1	330	ug/kg	06/01/2007 1334
Benzo(g,h,i)perylene	ND		1	330	ug/kg	06/01/2007 1334
Benzo(k)fluoranthene	ND		1	330	ug/kg	06/01/2007 1334
1,1'-Biphenyl	ND		1	330	ug/kg	06/01/2007 1334
4-Bromophenyl phenyl ether	ND		1	330	ug/kg	06/01/2007 1334
Butyl benzyl phthalate	ND		1	330	ug/kg	06/01/2007 1334
Caprolactam	ND		1	830	ug/kg	06/01/2007 1334
Carbazole	ND		1	330	ug/kg	06/01/2007 1334
4-Chloro-3-methyl phenol	ND		1	330	ug/kg	06/01/2007 1334
4-Chloroaniline	ND		1	330	ug/kg	06/01/2007 1334
bis(2-Chloroethoxy)methane	ND		1	330	ug/kg	06/01/2007 1334
bis(2-Chloroethyl)ether	ND		1	330	ug/kg	06/01/2007 1334
bis(2-Chloroisopropyl)ether	ND		1	330	ug/kg	06/01/2007 1334
2-Chloronaphthalene	ND		1	330	ug/kg	06/01/2007 1334
2-Chlorophenol	ND		1	330	ug/kg	06/01/2007 1334
4-Chlorophenyl phenyl ether	ND		1	330	ug/kg	06/01/2007 1334
Chrysene	ND		1	330	ug/kg	06/01/2007 1334
Dibenzo(a,h)anthracene	ND		1	330	ug/kg	06/01/2007 1334
Dibenzofuran	ND		1	330	ug/kg	06/01/2007 1334
3,3'-Dichlorobenzidine	ND		1	830	ug/kg	06/01/2007 1334
2,4-Dichlorophenol	ND		1	330	ug/kg	06/01/2007 1334
Diethylphthalate	ND		1	330	ug/kg	06/01/2007 1334
Dimethyl phthalate	ND		1	330	ug/kg	06/01/2007 1334
2,4-Dimethylphenol	ND		1	330	ug/kg	06/01/2007 1334
Di-n-butyl phthalate	ND		1	330	ug/kg	06/01/2007 1334
4,6-Dinitro-2-methylphenol	ND		1	830	ug/kg	06/01/2007 1334
2,4-Dinitrophenol	ND		1	830	ug/kg	06/01/2007 1334
2,4-Dinitrotoluene	ND		1	330	ug/kg	06/01/2007 1334
2,6-Dinitrotoluene	ND		1	330	ug/kg	06/01/2007 1334
Di-n-octylphthalate	ND		1	330	ug/kg	06/01/2007 1334
bis(2-Ethylhexyl)phthalate	ND		1	330	ug/kg	06/01/2007 1334
Fluoranthene	ND		1	330	ug/kg	06/01/2007 1334
Fluorene	ND		1	330	ug/kg	06/01/2007 1334
Hexachlorobenzene	ND		1	330	ug/kg	06/01/2007 1334
Hexachlorobutadiene	ND		1	330	ug/kg	06/01/2007 1334
Hexachlorocyclopentadiene	ND		1	830	ug/kg	06/01/2007 1334
Hexachloroethane	ND		1	330	ug/kg	06/01/2007 1334
Indeno(1,2,3-c,d)pyrene	ND		1	330	ug/kg	06/01/2007 1334

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - MB

Sample ID: IQ58522-001
Batch: 58522
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/31/2007 1335

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Isophorone	ND		1	330	ug/kg	06/01/2007 1334
2-Methylnaphthalene	ND		1	330	ug/kg	06/01/2007 1334
3 & 4-Methylphenol	ND		1	670	ug/kg	06/01/2007 1334
2-Methylphenol	ND		1	330	ug/kg	06/01/2007 1334
Naphthalene	ND		1	330	ug/kg	06/01/2007 1334
3-Nitroaniline	ND		1	330	ug/kg	06/01/2007 1334
4-Nitroaniline	ND		1	330	ug/kg	06/01/2007 1334
2-Nitroaniline	ND		1	330	ug/kg	06/01/2007 1334
Nitrobenzene	ND		1	330	ug/kg	06/01/2007 1334
2-Nitrophenol	ND		1	330	ug/kg	06/01/2007 1334
4-Nitrophenol	ND		1	830	ug/kg	06/01/2007 1334
N-Nitrosodi-n-propylamine	ND		1	330	ug/kg	06/01/2007 1334
N-Nitrosodiphenylamine/Diphenylamine	ND		1	330	ug/kg	06/01/2007 1334
Pentachlorophenol	ND		1	830	ug/kg	06/01/2007 1334
Phenanthrene	ND		1	330	ug/kg	06/01/2007 1334
Phenol	ND		1	330	ug/kg	06/01/2007 1334
Pyrene	ND		1	330	ug/kg	06/01/2007 1334
2,4,6-Trichlorophenol	ND		1	330	ug/kg	06/01/2007 1334
2,4,5-Trichlorophenol	ND		1	330	ug/kg	06/01/2007 1334

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		77	30-117
2-Fluorobiphenyl		72	33-102
2-Fluorophenol		81	28-104
Nitrobenzene-d5		75	22-109
Phenol-d5		79	27-103
Terphenyl-d14		86	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58522-002
Batch: 58522
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/31/2007 1335

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acenaphthene	3300	2800		1	83	30-130	06/01/2007 1500
Acenaphthylene	3300	2600		1	78	30-130	06/01/2007 1500
Anthracene	3300	3100		1	93	30-130	06/01/2007 1500
Benzo(a)anthracene	3300	3300		1	98	30-130	06/01/2007 1500
Benzo(a)pyrene	3300	3500		1	106	30-130	06/01/2007 1500
Benzo(b)fluoranthene	3300	3400		1	103	30-130	06/01/2007 1500
Benzo(g,h,i)perylene	3300	3600		1	109	30-130	06/01/2007 1500
Benzo(k)fluoranthene	3300	3100		1	94	30-130	06/01/2007 1500
4-Bromophenyl phenyl ether	3300	3000		1	90	30-130	06/01/2007 1500
Butyl benzyl phthalate	3300	3100		1	92	30-130	06/01/2007 1500
Carbazole	3300	4000		1	119	30-130	06/01/2007 1500
4-Chloro-3-methyl phenol	3300	3100		1	94	30-130	06/01/2007 1500
4-Chloroaniline	3300	1300		1	40	10-130	06/01/2007 1500
bis(2-Chloroethoxy)methane	3300	2300		1	70	30-130	06/01/2007 1500
bis(2-Chloroethyl)ether	3300	1800		1	55	30-130	06/01/2007 1500
bis(2-Chloroisopropyl)ether	3300	1800		1	54	30-130	06/01/2007 1500
2-Chloronaphthalene	3300	2600		1	77	30-130	06/01/2007 1500
2-Chlorophenol	3300	2100		1	64	30-130	06/01/2007 1500
4-Chlorophenyl phenyl ether	3300	2900		1	86	30-130	06/01/2007 1500
Chrysene	3300	3100		1	93	30-130	06/01/2007 1500
Dibenzo(a,h)anthracene	3300	4000		1	121	30-130	06/01/2007 1500
Dibenzofuran	3300	2800		1	85	30-130	06/01/2007 1500
2,4-Dichlorophenol	3300	2600		1	77	30-130	06/01/2007 1500
Diethylphthalate	3300	3200		1	97	30-130	06/01/2007 1500
Dimethyl phthalate	3300	3100		1	92	30-130	06/01/2007 1500
2,4-Dimethylphenol	3300	2100		1	63	30-130	06/01/2007 1500
Di-n-butyl phthalate	3300	3200		1	97	30-130	06/01/2007 1500
4,6-Dinitro-2-methylphenol	17000	20000		1	121	30-130	06/01/2007 1500
2,4-Dinitrophenol	17000	19000		1	113	30-130	06/01/2007 1500
2,4-Dinitrotoluene	6700	6800		1	103	30-130	06/01/2007 1500
2,6-Dinitrotoluene	6700	6400		1	96	30-130	06/01/2007 1500
Di-n-octylphthalate	3300	3000		1	92	30-130	06/01/2007 1500
bis(2-Ethylhexyl)phthalate	3300	2900		1	87	30-130	06/01/2007 1500
Fluoranthene	3300	3100		1	92	30-130	06/01/2007 1500
Fluorene	3300	3000		1	90	30-130	06/01/2007 1500
Hexachlorobenzene	3300	3000		1	90	30-130	06/01/2007 1500
Hexachlorobutadiene	3300	1900		1	56	30-130	06/01/2007 1500
Hexachlorocyclopentadiene	17000	10000		1	61	30-130	06/01/2007 1500
Hexachloroethane	3300	1400		1	42	30-130	06/01/2007 1500
Indeno(1,2,3-c,d)pyrene	3300	3800		1	113	30-130	06/01/2007 1500
Isophorone	3300	2200		1	66	30-130	06/01/2007 1500
2-Methylnaphthalene	3300	2400		1	71	30-130	06/01/2007 1500
3 & 4-Methylphenol	6700	4500		1	67	30-130	06/01/2007 1500
2-Methylphenol	3300	2100		1	64	30-130	06/01/2007 1500
Naphthalene	3300	2000		1	58	30-130	06/01/2007 1500
3-Nitroaniline	6700	5800		1	87	30-130	06/01/2007 1500

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Semivolatile Organic Compounds by GC/MS - LCS

Sample ID: IQ58522-002
Batch: 58522
Analytical Method: 8270C

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/31/2007 1335

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
4-Nitroaniline	6700	7500		1	112	30-130	06/01/2007 1500
2-Nitroaniline	6700	6300		1	94	30-130	06/01/2007 1500
Nitrobenzene	3300	2100		1	64	30-130	06/01/2007 1500
2-Nitrophenol	6700	4600		1	69	30-130	06/01/2007 1500
4-Nitrophenol	17000	18000		1	107	30-130	06/01/2007 1500
N-Nitrosodi-n-propylamine	3300	2300		1	69	30-130	06/01/2007 1500
N-Nitrosodiphenylamine/Diphenylamine	3300	3200		1	95	30-130	06/01/2007 1500
Pentachlorophenol	17000	14000		1	86	30-130	06/01/2007 1500
Phenanthrene	3300	3100		1	93	30-130	06/01/2007 1500
Phenol	3300	2100		1	62	30-130	06/01/2007 1500
Pyrene	3300	3000		1	90	30-130	06/01/2007 1500
2,4,6-Trichlorophenol	3300	2900		1	86	30-130	06/01/2007 1500
2,4,5-Trichlorophenol	3300	3000		1	90	30-130	06/01/2007 1500

Surrogate	Q	% Rec	Acceptance Limit
2,4,6-Tribromophenol		93	30-117
2-Fluorobiphenyl		72	33-102
2-Fluorophenol		63	28-104
Nitrobenzene-d5		66	22-109
Phenol-d5		71	27-103
Terphenyl-d14		94	41-120

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

PCBs by GC - MB

Sample ID: IQ58346-001
Batch: 58346
Analytical Method: 8082

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 1356

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aroclor 1016	ND		1	17	ug/kg	06/01/2007 1852
Aroclor 1221	ND		1	17	ug/kg	06/01/2007 1852
Aroclor 1232	ND		1	17	ug/kg	06/01/2007 1852
Aroclor 1242	ND		1	17	ug/kg	06/01/2007 1852
Aroclor 1248	ND		1	17	ug/kg	06/01/2007 1852
Aroclor 1254	ND		1	17	ug/kg	06/01/2007 1852
Aroclor 1260	ND		1	17	ug/kg	06/01/2007 1852

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		106	50-130
Tetrachloro-m-xylene		82	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

PCBs by GC - LCS

Sample ID: IQ58346-002
Batch: 58346
Analytical Method: 8082

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 1356

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aroclor 1016	83	73		1	87	42-149	06/01/2007 1909
Aroclor 1260	83	78		1	94	34-160	06/01/2007 1909

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		103	50-130
Tetrachloro-m-xylene		87	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

PCBs by GC - LCSD

Sample ID: IQ58346-003
Batch: 58346
Analytical Method: 8082

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 1356

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aroclor 1016	83	71		1	86	1.6	42-149	30	06/01/2007 1926
Aroclor 1260	83	77		1	93	0.72	34-160	30	06/01/2007 1926

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		101	50-130
Tetrachloro-m-xylene		82	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Organochlorine Pesticides by GC - MB

Sample ID: IQ58347-001
Batch: 58347
Analytical Method: 8081A

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 1356

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aldrin	ND		1	1.7	ug/kg	06/04/2007 2327
alpha-BHC	ND		1	1.7	ug/kg	06/04/2007 2327
beta-BHC	ND		1	1.7	ug/kg	06/04/2007 2327
delta-BHC	ND		1	1.7	ug/kg	06/04/2007 2327
gamma-BHC (Lindane)	ND		1	1.7	ug/kg	06/04/2007 2327
alpha-Chlordane	ND		1	1.7	ug/kg	06/04/2007 2327
gamma-Chlordane	ND		1	1.7	ug/kg	06/04/2007 2327
4,4'-DDD	ND		1	1.7	ug/kg	06/04/2007 2327
4,4'-DDE	ND		1	1.7	ug/kg	06/04/2007 2327
4,4'-DDT	ND		1	1.7	ug/kg	06/04/2007 2327
Dieldrin	ND		1	1.7	ug/kg	06/04/2007 2327
Endosulfan I	ND		1	1.7	ug/kg	06/04/2007 2327
Endosulfan II	ND		1	1.7	ug/kg	06/04/2007 2327
Endosulfan sulfate	ND		1	1.7	ug/kg	06/04/2007 2327
Endrin	ND		1	1.7	ug/kg	06/04/2007 2327
Endrin aldehyde	ND		1	1.7	ug/kg	06/04/2007 2327
Endrin ketone	ND		1	1.7	ug/kg	06/04/2007 2327
Heptachlor	ND		1	1.7	ug/kg	06/04/2007 2327
Heptachlor epoxide	ND		1	1.7	ug/kg	06/04/2007 2327
Methoxychlor	ND		1	6.7	ug/kg	06/04/2007 2327
Toxaphene	ND		1	83	ug/kg	06/04/2007 2327

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		89	50-130
Tetrachloro-m-xylene		72	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Organochlorine Pesticides by GC - LCS

Sample ID: IQ58347-002
Batch: 58347
Analytical Method: 8081A

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 1356

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aldrin	17	13		1	77	50-130	06/04/2007 2343
alpha-BHC	17	12		1	72	50-130	06/04/2007 2343
beta-BHC	17	13		1	79	50-130	06/04/2007 2343
delta-BHC	17	14		1	82	50-130	06/04/2007 2343
gamma-BHC (Lindane)	17	13		1	79	50-130	06/04/2007 2343
alpha-Chlordane	17	14		1	82	50-130	06/04/2007 2343
gamma-Chlordane	17	14		1	81	50-130	06/04/2007 2343
4,4'-DDD	17	14		1	84	50-130	06/04/2007 2343
4,4'-DDE	17	13		1	79	50-130	06/04/2007 2343
4,4'-DDT	17	13		1	76	50-130	06/04/2007 2343
Dieldrin	17	15		1	86	50-130	06/04/2007 2343
Endosulfan I	17	14		1	82	50-130	06/04/2007 2343
Endosulfan II	17	15		1	88	50-130	06/04/2007 2343
Endosulfan sulfate	17	15		1	88	50-130	06/04/2007 2343
Endrin	17	13		1	76	50-130	06/04/2007 2343
Endrin aldehyde	17	13		1	78	50-130	06/04/2007 2343
Endrin ketone	17	13		1	77	50-130	06/04/2007 2343
Heptachlor	17	13		1	79	50-130	06/04/2007 2343
Heptachlor epoxide	17	14		1	81	50-130	06/04/2007 2343
Methoxychlor	17	17		1	100	50-130	06/04/2007 2343

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		90	50-130
Tetrachloro-m-xylene		86	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Organochlorine Pesticides by GC - LCSD

Sample ID: IQ58347-003
Batch: 58347
Analytical Method: 8081A

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/29/2007 1356

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aldrin	17	13		1	76	1.1	50-130	30	06/04/2007 2359
alpha-BHC	17	12		1	73	1.1	50-130	30	06/04/2007 2359
beta-BHC	17	14		1	80	1.0	50-130	30	06/04/2007 2359
delta-BHC	17	14		1	83	0.75	50-130	30	06/04/2007 2359
gamma-BHC (Lindane)	17	14		1	80	1.0	50-130	30	06/04/2007 2359
alpha-Chlordane	17	14		1	82	1.3	50-130	30	06/04/2007 2359
gamma-Chlordane	17	14		1	81	0.69	50-130	30	06/04/2007 2359
4,4'-DDD	17	14		1	84	0.39	50-130	30	06/04/2007 2359
4,4'-DDE	17	13		1	79	0.66	50-130	30	06/04/2007 2359
4,4'-DDT	17	13		1	78	1.5	50-130	30	06/04/2007 2359
Dieldrin	17	15		1	86	0.47	50-130	30	06/04/2007 2359
Endosulfan I	17	14		1	82	0.74	50-130	30	06/04/2007 2359
Endosulfan II	17	14		1	84	4.1	50-130	30	06/04/2007 2359
Endosulfan sulfate	17	15		1	88	0.23	50-130	30	06/04/2007 2359
Endrin	17	13		1	76	0.24	50-130	30	06/04/2007 2359
Endrin aldehyde	17	13		1	79	1.3	50-130	30	06/04/2007 2359
Endrin ketone	17	13		1	77	0.98	50-130	30	06/04/2007 2359
Heptachlor	17	14		1	80	1.3	50-130	30	06/04/2007 2359
Heptachlor epoxide	17	14		1	82	0.99	50-130	30	06/04/2007 2359
Methoxychlor	17	17		1	100	0.38	50-130	30	06/04/2007 2359

Surrogate	Q	% Rec	Acceptance Limit
Decachlorobiphenyl		90	50-130
Tetrachloro-m-xylene		85	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - DRO - MB

Sample ID: IQ58430-001
Batch: 58430
Analytical Method: 8015B

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/30/2007 945

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TPH-DRO	ND		1	6700	ug/kg	05/31/2007 1401

Surrogate	Q	% Rec	Acceptance Limit
o - Terphenyl		87	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - DRO - LCS

Sample ID: IQ58430-002
Batch: 58430
Analytical Method: 8015B

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/30/2007 945

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TPH-DRO	83000	75000		1	90	50-130	05/31/2007 1428

Surrogate	Q	% Rec	Acceptance Limit
o - Terphenyl		91	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - DRO - LCSD

Sample ID: IQ58430-003
Batch: 58430
Analytical Method: 8015B

Matrix: Solid
Prep Method: 3550B
Prep Date: 05/30/2007 945

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TPH-DRO	83000	77000		1	93	2.6	50-130	20	05/31/2007 1454

Surrogate	Q	% Rec	Acceptance Limit
o - Terphenyl		95	50-130

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - MB

Sample ID: IQ58757-001
Batch: 58757
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
TPH-GRO	ND		1	5000	ug/kg	06/04/2007 1848

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		91	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - LCS

Sample ID: IQ58757-002
Batch: 58757
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
TPH-GRO	40000	36000		1	90	70-130	06/04/2007 1913

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TPH - GRO - LCSD

Sample ID: IQ58757-003
Batch: 58757
Analytical Method: 8015B

Matrix: Solid
Prep Method: 5030B

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
TPH-GRO	40000	38000		1	94	4.9	70-130	20	06/04/2007 1938

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		92	45-132

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MB

Sample ID: IQ58739-001
Batch: 58739
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 06/05/2007 1300

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Antimony	ND		1	0.50	mg/kg	06/07/2007 1635
Arsenic	ND		1	0.50	mg/kg	06/07/2007 1635
Barium	ND		1	1.3	mg/kg	06/07/2007 1635
Beryllium	ND		1	0.20	mg/kg	06/07/2007 1635
Cadmium	ND		1	0.10	mg/kg	06/07/2007 1635
Calcium	ND		1	250	mg/kg	06/07/2007 1635
Chromium	ND		1	0.25	mg/kg	06/07/2007 1635
Cobalt	ND		1	1.3	mg/kg	06/07/2007 1635
Copper	ND		1	0.25	mg/kg	06/07/2007 1635
Iron	ND		1	5.0	mg/kg	06/07/2007 1635
Lead	ND		1	0.50	mg/kg	06/07/2007 1635
Magnesium	ND		1	250	mg/kg	06/07/2007 1635
Manganese	ND		1	0.75	mg/kg	06/07/2007 1635
Nickel	ND		1	2.0	mg/kg	06/07/2007 1635
Potassium	ND		1	250	mg/kg	06/07/2007 1635
Selenium	ND		1	0.50	mg/kg	06/07/2007 1635
Silver	ND		1	0.25	mg/kg	06/07/2007 1635
Sodium	ND		1	250	mg/kg	06/07/2007 1635
Thallium	ND		1	2.5	mg/kg	06/07/2007 1635
Vanadium	ND		1	2.5	mg/kg	06/07/2007 1635
Zinc	ND		1	2.5	mg/kg	06/07/2007 1635

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCS

Sample ID: IQ58739-002
Batch: 58739
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 06/05/2007 1300

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Antimony	50	50		1	101	80-120	06/07/2007 1642
Arsenic	250	260		1	104	80-120	06/07/2007 1642
Barium	500	510		1	102	80-120	06/07/2007 1642
Beryllium	100	100		1	102	80-120	06/07/2007 1642
Cadmium	50	50		1	101	80-120	06/07/2007 1642
Calcium	2000	2100		1	104	80-120	06/07/2007 1642
Chromium	250	250		1	101	80-120	06/07/2007 1642
Cobalt	100	100		1	102	80-120	06/07/2007 1642
Copper	100	100		1	100	80-120	06/07/2007 1642
Iron	1000	990		1	99	80-120	06/07/2007 1642
Lead	250	240		1	96	80-120	06/07/2007 1642
Magnesium	2000	2000		1	102	80-120	06/07/2007 1642
Manganese	100	100		1	102	80-120	06/07/2007 1642
Nickel	100	100		1	103	80-120	06/07/2007 1642
Potassium	2000	2000		1	99	80-120	06/07/2007 1642
Selenium	50	51		1	101	80-120	06/07/2007 1642
Silver	250	260		1	103	80-120	06/07/2007 1642
Sodium	2000	2000		1	101	80-120	06/07/2007 1642
Thallium	40	42		1	106	80-120	06/07/2007 1642
Vanadium	100	100		1	102	80-120	06/07/2007 1642
Zinc	100	98		1	98	80-120	06/07/2007 1642

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCSD

Sample ID: IQ58739-003
Batch: 58739
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 06/05/2007 1300

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Antimony	50	50		1	100	0.69	80-120	20	06/07/2007 1649
Arsenic	250	260		1	103	0.98	80-120	20	06/07/2007 1649
Barium	500	510		1	102	0.010	80-120	20	06/07/2007 1649
Beryllium	100	100		1	101	0.84	80-120	20	06/07/2007 1649
Cadmium	50	50		1	101	0.34	80-120	20	06/07/2007 1649
Calcium	2000	2100		1	104	0.62	80-120	20	06/07/2007 1649
Chromium	250	250		1	100	1.2	80-120	20	06/07/2007 1649
Cobalt	100	100		1	102	0.84	80-120	20	06/07/2007 1649
Copper	100	100		1	100	0.27	80-120	20	06/07/2007 1649
Iron	1000	980		1	98	0.86	80-120	20	06/07/2007 1649
Lead	250	240		1	95	0.90	80-120	20	06/07/2007 1649
Magnesium	2000	2000		1	101	1.2	80-120	20	06/07/2007 1649
Manganese	100	100		1	102	0.61	80-120	20	06/07/2007 1649
Nickel	100	100		1	103	0.12	80-120	20	06/07/2007 1649
Potassium	2000	2000		1	99	0.15	80-120	20	06/07/2007 1649
Selenium	50	50		1	99	1.8	80-120	20	06/07/2007 1649
Silver	250	260		1	102	0.62	80-120	20	06/07/2007 1649
Sodium	2000	2000		1	101	0.016	80-120	20	06/07/2007 1649
Thallium	40	42		1	105	0.47	80-120	20	06/07/2007 1649
Vanadium	100	100		1	101	0.32	80-120	20	06/07/2007 1649
Zinc	100	97		1	97	0.88	80-120	20	06/07/2007 1649

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MS

Sample ID: IE26015-003MS
Batch: 58739
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 06/05/2007 1300

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	5500	1400	9700	N	2	160	75-125	06/09/2007 0423
Arsenic	2.7	340	310		2	89	75-125	06/09/2007 0423
Barium	6.6	690	600		2	86	75-125	06/09/2007 0423
Beryllium	ND	140	120		2	89	75-125	06/09/2007 0423
Cadmium	ND	69	61		2	89	75-125	06/09/2007 0423
Calcium	ND	2700	2700		2	99	75-125	06/09/2007 0423
Chromium	6.9	340	310		2	89	75-125	06/09/2007 0423
Cobalt	ND	140	120		2	90	75-125	06/09/2007 0423
Copper	0.71	140	120		2	88	75-125	06/09/2007 0423
Lead	4.1	340	320		2	90	75-125	06/09/2007 0423
Magnesium	ND	2700	2700		2	97	75-125	06/09/2007 0423
Manganese	9.1	140	130		2	84	75-125	06/09/2007 0423
Nickel	ND	140	120		2	91	75-125	06/09/2007 0423
Potassium	ND	2700	2500		2	91	75-125	06/09/2007 0423
Selenium	ND	69	62		2	90	75-125	06/09/2007 0423
Silver	ND	340	290		2	84	75-125	06/09/2007 0423
Sodium	ND	2700	2200		2	81	75-125	06/09/2007 0423
Thallium	ND	55	48		2	88	75-125	06/09/2007 0423
Vanadium	8.3	140	130		2	85	75-125	06/09/2007 0423
Zinc	ND	140	140		2	85	75-125	06/09/2007 0423

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MSD

Sample ID: IE26015-003MD
Batch: 58739
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 06/05/2007 1300

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Beryllium	ND	140	130		2	92	3.7	75-125	20	06/09/2007 0429
Cadmium	ND	69	63		2	92	2.7	75-125	20	06/09/2007 0429
Calcium	ND	2700	2700		2	99	0.54	75-125	20	06/09/2007 0429
Chromium	6.9	340	330		2	93	4.8	75-125	20	06/09/2007 0429
Copper	0.71	140	140		2	105	18	75-125	20	06/09/2007 0429
Lead	4.1	340	350		2	100	9.9	75-125	20	06/09/2007 0429
Nickel	ND	140	150		2	107	17	75-125	20	06/09/2007 0429
Selenium	ND	69	52		2	76	18	75-125	20	06/09/2007 0429
Silver	ND	340	320		2	92	8.6	75-125	20	06/09/2007 0429
Thallium	ND	55	49		2	89	1.5	75-125	20	06/09/2007 0429

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MB

Sample ID: IQ59077-001
Batch: 59077
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 06/12/2007 1345

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Aluminum	ND		1	10	mg/kg	06/13/2007 1014
Antimony	ND		1	0.50	mg/kg	06/13/2007 1014
Arsenic	ND		1	0.50	mg/kg	06/13/2007 1014
Barium	ND		1	1.3	mg/kg	06/13/2007 1014
Beryllium	ND		1	0.20	mg/kg	06/13/2007 1014
Cadmium	ND		1	0.10	mg/kg	06/13/2007 1014
Calcium	ND		1	250	mg/kg	06/13/2007 1014
Chromium	ND		1	0.25	mg/kg	06/13/2007 1014
Cobalt	ND		1	1.3	mg/kg	06/13/2007 1014
Copper	ND		1	0.25	mg/kg	06/13/2007 1014
Iron	ND		1	5.0	mg/kg	06/13/2007 1014
Lead	ND		1	0.50	mg/kg	06/13/2007 1014
Magnesium	ND		1	250	mg/kg	06/13/2007 1014
Manganese	ND		1	0.75	mg/kg	06/13/2007 1014
Nickel	ND		1	2.0	mg/kg	06/13/2007 1014
Potassium	ND		1	250	mg/kg	06/13/2007 1014
Selenium	ND		1	0.50	mg/kg	06/13/2007 1014
Silver	ND		1	0.25	mg/kg	06/13/2007 1014
Sodium	ND		1	250	mg/kg	06/13/2007 1014
Thallium	ND		1	2.5	mg/kg	06/13/2007 1014
Vanadium	ND		1	2.5	mg/kg	06/13/2007 1014
Zinc	ND		1	2.5	mg/kg	06/13/2007 1014

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCS

Sample ID: IQ59077-002
Batch: 59077
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 06/12/2007 1345

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	1000	990		1	99	80-120	06/13/2007 1020
Antimony	50	45		1	91	80-120	06/13/2007 1020
Arsenic	250	240		1	96	80-120	06/13/2007 1020
Barium	500	480		1	96	80-120	06/13/2007 1020
Beryllium	100	97		1	97	80-120	06/13/2007 1020
Cadmium	50	49		1	98	80-120	06/13/2007 1020
Calcium	2000	2000		1	99	80-120	06/13/2007 1020
Chromium	250	240		1	98	80-120	06/13/2007 1020
Cobalt	100	97		1	97	80-120	06/13/2007 1020
Copper	100	99		1	99	80-120	06/13/2007 1020
Iron	1000	940		1	94	80-120	06/13/2007 1020
Lead	250	240		1	96	80-120	06/13/2007 1020
Magnesium	2000	2000		1	98	80-120	06/13/2007 1020
Manganese	100	98		1	98	80-120	06/13/2007 1020
Nickel	100	98		1	98	80-120	06/13/2007 1020
Potassium	2000	2000		1	98	80-120	06/13/2007 1020
Selenium	50	48		1	96	80-120	06/13/2007 1020
Silver	250	250		1	98	80-120	06/13/2007 1020
Sodium	2000	1900		1	95	80-120	06/13/2007 1020
Thallium	40	39		1	98	80-120	06/13/2007 1020
Vanadium	100	97		1	97	80-120	06/13/2007 1020
Zinc	100	95		1	95	80-120	06/13/2007 1020

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCSD

Sample ID: IQ59077-003
Batch: 59077
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 06/12/2007 1345

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aluminum	1000	1000		1	101	2.1	80-120	20	06/13/2007 1026
Antimony	50	46		1	93	2.4	80-120	20	06/13/2007 1026
Arsenic	250	250		1	99	2.4	80-120	20	06/13/2007 1026
Barium	500	480		1	97	1.1	80-120	20	06/13/2007 1026
Beryllium	100	99		1	99	2.3	80-120	20	06/13/2007 1026
Cadmium	50	50		1	100	2.1	80-120	20	06/13/2007 1026
Calcium	2000	2000		1	101	1.9	80-120	20	06/13/2007 1026
Chromium	250	250		1	99	1.0	80-120	20	06/13/2007 1026
Cobalt	100	99		1	99	2.2	80-120	20	06/13/2007 1026
Copper	100	100		1	100	1.3	80-120	20	06/13/2007 1026
Iron	1000	960		1	96	1.6	80-120	20	06/13/2007 1026
Lead	250	240		1	98	1.9	80-120	20	06/13/2007 1026
Magnesium	2000	2000		1	100	1.5	80-120	20	06/13/2007 1026
Manganese	100	99		1	99	1.7	80-120	20	06/13/2007 1026
Nickel	100	99		1	99	1.7	80-120	20	06/13/2007 1026
Potassium	2000	2000		1	98	0.76	80-120	20	06/13/2007 1026
Selenium	50	49		1	98	2.6	80-120	20	06/13/2007 1026
Silver	250	250		1	100	1.0	80-120	20	06/13/2007 1026
Sodium	2000	2000		1	98	3.6	80-120	20	06/13/2007 1026
Thallium	40	41		1	102	3.6	80-120	20	06/13/2007 1026
Vanadium	100	98		1	98	0.81	80-120	20	06/13/2007 1026
Zinc	100	99		1	99	3.6	80-120	20	06/13/2007 1026

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MS

Sample ID: IE26015-003MS
Batch: 59077
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 06/12/2007 1345

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Aluminum	5500	1400	8800	N	1	237	75-125	06/13/2007 1044
Antimony	ND	69	54		1	78	75-125	06/13/2007 1044
Arsenic	2.7	340	330		1	95	75-125	06/13/2007 1044
Barium	6.6	690	670		1	97	75-125	06/13/2007 1044
Beryllium	ND	140	130		1	98	75-125	06/13/2007 1044
Cadmium	ND	69	68		1	98	75-125	06/13/2007 1044
Calcium	ND	2700	2800		1	104	75-125	06/13/2007 1044
Chromium	6.9	340	340		1	98	75-125	06/13/2007 1044
Cobalt	ND	140	130		1	98	75-125	06/13/2007 1044
Copper	0.71	140	140		1	100	75-125	06/13/2007 1044
Iron	2400	1400	3700		1	97	75-125	06/13/2007 1044
Lead	4.1	340	340		1	97	75-125	06/13/2007 1044
Magnesium	ND	2700	3000		1	108	75-125	06/13/2007 1044
Manganese	9.1	140	140		1	95	75-125	06/13/2007 1044
Nickel	ND	140	140		1	99	75-125	06/13/2007 1044
Potassium	ND	2700	3400		1	125	75-125	06/13/2007 1044
Selenium	ND	69	64		1	93	75-125	06/13/2007 1044
Silver	ND	340	330		1	97	75-125	06/13/2007 1044
Sodium	ND	2700	2700		1	98	75-125	06/13/2007 1044
Thallium	ND	55	54		1	98	75-125	06/13/2007 1044
Vanadium	8.3	140	140		1	96	75-125	06/13/2007 1044
Zinc	ND	140	130		1	97	75-125	06/13/2007 1044

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MSD

Sample ID: IE26015-003MD
Batch: 59077
Analytical Method: 6010B

Matrix: Solid
Prep Method: 3050B
Prep Date: 06/12/2007 1345

Parameter	Sample Amount (mg/kg)	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Aluminum	5500	1400	9600	N	1	300	9.3	75-125	20	06/13/2007 1050
Arsenic	2.7	340	330		1	96	0.93	75-125	20	06/13/2007 1050
Barium	6.6	690	670		1	97	0.18	75-125	20	06/13/2007 1050
Beryllium	ND	140	140		1	98	0.24	75-125	20	06/13/2007 1050
Cadmium	ND	69	68		1	99	0.47	75-125	20	06/13/2007 1050
Calcium	ND	2700	2900		1	105	0.86	75-125	20	06/13/2007 1050
Chromium	6.9	340	340		1	98	0.27	75-125	20	06/13/2007 1050
Cobalt	ND	140	140		1	98	0.64	75-125	20	06/13/2007 1050
Copper	0.71	140	140		1	101	0.75	75-125	20	06/13/2007 1050
Iron	2400	1400	3900		1	110	4.7	75-125	20	06/13/2007 1050
Lead	4.1	340	340		1	97	0.51	75-125	20	06/13/2007 1050
Magnesium	ND	2700	3000		1	110	1.0	75-125	20	06/13/2007 1050
Manganese	9.1	140	140		1	95	0.36	75-125	20	06/13/2007 1050
Nickel	ND	140	140		1	100	0.82	75-125	20	06/13/2007 1050
Potassium	ND	2700	3400		1	122	2.1	75-125	20	06/13/2007 1050
Selenium	ND	69	65		1	95	2.2	75-125	20	06/13/2007 1050
Silver	ND	340	340		1	99	2.3	75-125	20	06/13/2007 1050
Sodium	ND	2700	2800		1	100	2.0	75-125	20	06/13/2007 1050
Thallium	ND	55	55		1	100	1.8	75-125	20	06/13/2007 1050
Vanadium	8.3	140	140		1	97	0.49	75-125	20	06/13/2007 1050
Zinc	ND	140	140		1	100	3.1	75-125	20	06/13/2007 1050

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - MB

Sample ID: IQ58403-001
Batch: 58403
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/29/2007 1858

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Mercury	ND		1	0.083	mg/kg	05/29/2007 2326

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCS

Sample ID: IQ58403-002
Batch: 58403
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/29/2007 1858

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Mercury	0.83	0.81		1	97	85-115	05/29/2007 2330

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

TAL Metals - LCSD

Sample ID: IQ58403-003
Batch: 58403
Analytical Method: 7471A

Matrix: Solid
Prep Method: 7471A
Prep Date: 05/29/2007 1858

Parameter	Spike Amount (mg/kg)	Result (mg/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Mercury	0.83	0.82		1	99	1.8	85-115	20	05/29/2007 2332

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N - Recovery is out of criteria
+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Shealy Environmental Services
106 Vantage Point Drive
West Colombia, South Carolina 29172

phone # (803) 791-9700 fax # (803) 791-91111

RECEIVED
JUL 20 2007
ARCADIS G & M of North Carolina, Inc.

5/25/06 IE26015

Client Contact	Project Manager: Chuck Bertz	Site Contact: Adam Tripp	Date: 5/25/06	COC No:
ARCADIS	Tel/Fax:	Lab Contact: Paul Biery	Carrier: FED EX	Page #
801 Corporate Center Drive Suite 300	Analysis Turnaround Time			Job No. NC107002
Raleigh, North Carolina	Calendar (C) or Work Days (W) ____W____			
919-854-1282	TAT if different from Below _____			
919-854-5448	■ 2 weeks			SDG No.
Project Name: ONWASA	☐ 1 week			
Site: ☒ UXO-05	☐ 3 days			
Site: ☒ UXO-06	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Explosive Residues 8330	TCLP Pesticides 8081A	TAL Metals 6010/74220 and 6010/7421 for so	Cyanide (Total) 9012	TOC 415.1 and Walkely Black for soil	PCB's (Aroclors) 8082	VOC's 8260B	SVOC's 8270C	Total Organic Halogens 9020B	Perchlorate 314	TPH-GRO 5030A/8015A	TPH-DRO 3350A/8015A	Sample Specific Notes:
MMRP - 40	5/25	810																
MMRP - 41	↓	840																
MMRP - 42	↓	910																
MMRP																		
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MMRP																		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ■ *Unknown*

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 & Comments: All sample containers have abreviated sample ID's. For example soil sample container labeled "01" from site UXO-05 has a true ID of "MMRP05-IS01", as indicated on the COC. Ground water sample container labeled "TW16" from site UXO-06 has a true ID of "MMRP06-TW16". Please report all samples with the true ID.

Relinquished by:	Company: ARCADIS	Date/Time: 5/25 1700	Received by:	Company:	Date/Time:
Relinquished by: Fed Ex	Company: Fed Ex	Date/Time: 5/26/07 8:00	Received by:	Company: Shealy Env.	Date/Time: 5/25/07 1700 26 SUN

Sample Receipt Checklist

Client: Aradis Cooler Inspected by/date: SLH / 5/25/07 Lot #: IE26015

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Airborne Exp ☐ Other

Yes ☐	No ☑	NA ☐	1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?

Cooler temperature upon receipt 0.5 °C _____ °C _____ °C _____ °C _____ °C

Method: ☑ Temperature Blank ☐ Against Bottles

Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

If response is No (or Yes for 13,14,15), an explanation/resolution must be provided.

Yes ☐	No ☑	NA ☐	3. Is the commercial courier's packing slip attached to this form?
Yes ☐	No ☑	NA ☐	4. Were proper custody procedures (relinquished/received) followed? tra
Yes ☑	No ☐	NA ☐	5. Were sample IDs listed?
Yes ☑	No ☐	NA ☐	6. Was collection date & time listed?
Yes ☑	No ☐	NA ☐	7. Were tests to be performed listed on the COC or was quote # provided?
Yes ☑	No ☐	NA ☐	8. Did all samples arrive in the proper containers for each test?
Yes ☑	No ☐	NA ☐	9. Did all container label information (ID, date, time) agree with COC?
Yes ☑	No ☐	NA ☐	10. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes ☑	No ☐	NA ☐	11. Was adequate sample volume available?
Yes ☑	No ☐	NA ☐	12. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑	NA ☐	13. Were any samples containers missing?
Yes ☐	No ☑	NA ☐	14. Were there any excess samples not listed on COC?
Yes ☐	No ☑	NA ☐	15. Were bubbles present >"pea-size" (¼"or 6mm in diameter) in any VOA vials?
Yes ☑	No ☐	NA ☐	16. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☑	No ☐	NA ☐	17. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☑	No ☐	NA ☐	18. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) and toxicity (<0.1mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	19. Were collection temperatures documented on the COC for NC samples?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving.

Sample(s) _____ were received with bubbles >6 mm in diameter.

Sample(s) _____ were received with TRC >0.2 mg/L for NH3/ TKN/cyanide/BNA/pest/PCB/herb.

Toxicity sample(s) _____ were received with TRC >0.1 mg/L and were analyzed by method 330.5.

Corrective Action taken, if necessary:

Was client notified: Yes ☐ No ☐ Did client respond: Yes ☐ No ☐

SESI employee: _____ Date of response: _____

Comments: _____

Lot: IE26015

Sample Receiving Summary

Printed: 07/17/2007 10:32:27 AM by ECC

Quote: 10115
Client: (1987) ARCADIS U.S., Inc. / Lorie Carlisle
Comments:
Project Name: ONWASA
Project Number:
Analysis Due: 06/07/2007
Report Due: 06/10/2007

Project Manager: PKB
Program Area: NC - RCRA
PO Number:

Level 1 Review: NV
Level 2 Review:

Cooler #	Cooler ID (if applicable)	Temp (°C)	Comments
1		0.5	Grandfathered cooler entry

IE26015-001 - MMRP 06-IS40 - 05/25/2007 at 0810 by CLIENT -

Sample Receiving Matrix: Solid
Entered: 5/26/2007 by SLH
Received: 05/26/2007 1000 by SLH
Receipt Method: Fed-Ex

Sample Containers:

Qty	Sample Containers	Cooler #	pH	Comments
4	(015) 2 oz G	1		
6	(016) 4 oz G	1		
2	(025) 40 mL G-H2O w/SB	1		
3	(026) 40 mL G-MeOH	1		
1	(036) % Solid Snaps	1		
1	(045) 40 mL G-NP VOA Screening	1		

Tests:

Method	Test	Prep Method	Protocol
No Method	Extractable Organic Halides (subbed to TA)		added 6/7/07 PKB
SPU	Perchlorates (subbed to Compuchem)		added 6/7/07 PKB
No Method	Explosives (subbed to Compuchem)		added 6/7/07 PKB
160.3	% Solids		Solids
9012A	Cyanide - Total	9012A-S	Solids
Walkley-Black	TOC		Solids
8260B	TCL VOCs (OLM04.3) - includes 5035 kit	5035	Solids
8270C	TCL SVOCs (OLM04.3)	3550B	Solids
8082	TCL PCBs	3550B PCB	Solids
8081A	TCL Pesticides	3550B PP	Solids
8015B	TPH - DRO	3550B DRO	Solids
8015B	TPH - GRO	5030B	Solids
6010B	TAL Metals	3050B	Solids

IE26015-002 - MMRP 06-IS41 - 05/25/2007 at 0840 by CLIENT -

Sample Receiving Matrix: Solid
Entered: 5/26/2007 by SLH
Received: 05/26/2007 1000 by SLH
Receipt Method: Fed-Ex

Sample Containers:

Qty	Sample Containers	Cooler #	pH	Comments
4	(015) 2 oz G	1		
6	(016) 4 oz G	1		
2	(025) 40 mL G-H2O w/SB	1		
3	(026) 40 mL G-MeOH	1		

Client: (1987) ARCADIS U.S., Inc. / Lorie Carlisle
Project Name: ONWASA
Project Number:
Project Manager: PKB
Program Area: NC - RCRA
PO Number:

1	(036) % Solid Snaps	1	
1	(045) 40 mL G-NP VOA Screening	1	

Tests:

Method	Test	Prep Method	Protocol
No Method	Extractable Organic Halides (subbed to TA)		added 6/7/07 PKB
SPU	Perchlorates (subbed to Compuchem)		added 6/7/07 PKB
No Method	Explosives (subbed to Compuchem)		added 6/7/07 PKB
160.3	% Solids		Solids
9012A	Cyanide - Total	9012A-S	Solids
Walkley-Black	TOC		Solids
8260B	TCL VOCs (OLM04.3) - includes 5035 kit	5035	Solids
8270C	TCL SVOCs (OLM04.3)	3550B	Solids
8082	TCL PCBs	3550B PCB	Solids
8081A	TCL Pesticides	3550B PP	Solids
8015B	TPH - DRO	3550B DRO	Solids
8015B	TPH - GRO	5030B	Solids
6010B	TAL Metals	3050B	Solids

IE26015-003 - MMRP 06-IS42 - 05/25/2007 at 0910 by CLIENT -

Sample Receiving Matrix: Solid
Entered: 5/26/2007 by SLH
Received: 05/26/2007 1000 by SLH
Receipt Method: Fed-Ex

Sample Containers:

Qty	Sample Containers	Cooler #	pH	Comments
4	(015) 2 oz G	1		
6	(016) 4 oz G	1		
2	(025) 40 mL G-H2O w/SB	1		
3	(026) 40 mL G-MeOH	1		
1	(036) % Solid Snaps	1		
1	(045) 40 mL G-NP VOA Screening	1		

Tests:

Method	Test	Prep Method	Protocol
No Method	Extractable Organic Halides (subbed to TA)		added 6/7/07 PKB
SPU	Perchlorates (subbed to Compuchem)		added 6/7/07 PKB
No Method	Explosives (subbed to Compuchem)		added 6/7/07 PKB
160.3	% Solids		Solids
9012A	Cyanide - Total	9012A-S	Solids
Walkley-Black	TOC		Solids
8260B	TCL VOCs (OLM04.3) - includes 5035 kit	5035	Solids
8270C	TCL SVOCs (OLM04.3)	3550B	Solids
8082	TCL PCBs	3550B PCB	Solids
8081A	TCL Pesticides	3550B PP	Solids
8015B	TPH - DRO	3550B DRO	Solids
8015B	TPH - GRO	5030B	Solids
6010B	TAL Metals	3050B	Solids

Sample Receiving Summary

Printed: 07/17/2007 10:32:28 AM by ECC

Client: (1987) ARCADIS U.S., Inc. / Lorie Carlisle
Project Name: ONWASA
Project Number:

Project Manager: PKB
Program Area: NC - RCRA
PO Number:

Totals:	Samples	Sample Containers	Tests/Items
	3	51	39

(end of report)

Subcontracted Data

CompuChem

a division of Liberty Analytical Corp.

11-Jun-07

PAUL BIERY
SHEALY ENVIRONMENTAL SERVICES, INC.
106 VINATAGE POINT DRIVE

WEST COLUMBIA, SC 29172

Subject:
Report of Data-Project: CAMP LEJUENE Workorder: 13085

Attn.: PAUL BIERY

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem
A Division of Liberty Analytical

Attachment

TOTAL NUMBER
OF PAGES 22

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

CompuChem, a division of Liberty Analytical

Hsn	Client ID	Wordorder	Matrix	Account	Project	Report
1308501	MMRP06-I540	13085	S	SHEALY	CAMP LEJUENE	
1308502	MMRP06-IS41	13085	S	SHEALY	CAMP LEJUENE	
1308503	MMRP06-IS42	13085	S	SHEALY	CAMP LEJUENE	
1308504	MMRP05-IS01	13085	S	SHEALY	CAMP LEJUENE	
1308505	MMRP05-IS02	13085	S	SHEALY	CAMP LEJUENE	
1308506	MMRP05-IS03	13085	S	SHEALY	CAMP LEJUENE	
1308507	MMRP05-IS04	13085	S	SHEALY	CAMP LEJUENE	
1308508	MMRP05-IS05	13085	S	SHEALY	CAMP LEJUENE	
1308509	MMRP05-IS06	13085	S	SHEALY	CAMP LEJUENE	
1308510	MMRP05-IS07	13085	S	SHEALY	CAMP LEJUENE	

CompuChem

a division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG #13085
PROTOCOL: SW-846 8330

SAMPLE IDENTIFICATIONS: MMRP05-IS01, MMRP05-IS02, MMRP05-IS03, MMRP05-IS04, MMRP05-IS05, MMRP05-IS06, MMRP05-IS07, MMRP06-IS40, MMRP06-IS41, MMRP06-IS42

The ten soil samples listed above were scheduled for the requested analyses of the explosives fraction. Method 8330 was used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. This portion of the SDG narrative deals with the explosives analysis only. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG #13085 are included in the sample data sections.

Explosives

Extraction and analysis holding time requirements were met for the sample.

No target analytes confirmed above the Quantitation Limit (QL) in the samples.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the surrogates met recovery and retention time criteria.

The associated method blank met all quality control criteria.

Duplicate matrix spikes (MS/MSD) were not performed with this SDG. The associated Laboratory Control Samples (LCS/LCSD) prepared and analyzed along with the samples met all recovery and precision criteria, with the exception of low recovery for Tetryl. In the DoD – QSM, Tetryl is listed as a poor performing analyte, and the recovery is within the lowers marginal exceedance limits. The LCS/LCSD is reported from the confirmation column (Pinnacle Cyano) due to the co-elution of Tetryl and Nitrobenzene on the primary column (C18).

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Teresa Amentt Jennings

Teresa Amentt Jennings
GC/HPLC Supervisor
June 11, 2007

SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76066

Client: Shealy Envl. Svcs Inc	Report to Contact: Paul K. Bivey	Telephone No. / Fax No. / E-mail: 803 791 9700	Quote No.
Address: 106 Vantage Pt. Dr.	Sampler's Signature: X	Waybill No.	Page 1 of 1
City: W. Columbia; State: SC; Zip Code: 29172	Printed Name	Analysis (Attach list if more space is needed.)	
Project Name: ONWASA			

Project No.	P.O. No.																							Lot No.
Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Explosives	Perchlorate										Remarks / Cooler I.D.
MMRP06-I540	5/25	0810			✓		1						✓	✓					1308501					on container ID: IE26015-001
MMRP06-I541	↓	0840			✓		1						✓	✓					1308502					IE26015-002
MMRP06-I542	↓	0940			✓		1						✓	✓					1308503					IE26015-003
																								@ 5/30/07

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☐ Standard ☐ Rush (Specify)

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: [signature]	5/29/07	1730	1. Received by: FEDEX	5/29/07	1730
2. Relinquished by			2. Received by: Jennifer Drew	5/30/07	9:50
3. Relinquished by			3. Laboratory received by		

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 2.4 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76072

Client: Shealy Envir. Svcs Inc	Report to Contact: Paul K. Binry	Telephone No. / Fax No. / E-mail	Quote No.
Address: 106 Vantage Pt. Dr.	Sampler's Signature	Waybill No.	Page ____ of ____
City: W. Columbia State: SC Zip Code: 29172	X	Analysis (Attach list if more space is needed.)	
Project Name: ECC ONWASA	Printed Name		
Project No.	P.O. No.		Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Purchase Orders	Explosives								Remarks / Cooler I.D.
MMRP05-IS01	5/29/07	1130			✓		1						✓	✓				1308504				
MMRP05-IS02		1200			✓		1						✓	✓				1308505				
MMRP05-IS03		1230			✓		1						✓	✓				1308506				
MMRP05-IS04		1400			✓		1						✓	✓				1308507				
MMRP05-IS05		1430			✓		1						✓	✓				1308508				
MMRP05-IS06		1500			✓		1						✓	✓				1308509				
MMRP05-IS07		1530			✓		1						✓	✓				1308510				

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☐ Standard ☐ Rush (Specify)

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by	5/30/07	1730	1. Received by FEDEX	5/30/07	1730
2. Relinquished by			2. Received by Jennifer Dove	5/31/07	9:50
3. Relinquished by			3. Laboratory received by		

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 2.4 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-012 Effective Date: 08-04-02

CompuChem

a division of Liberty Analytical Corp.

WORKORDER SUMMARY REPORT

Workorder: 13085 **Account:** SHEALY **Project:** CAMP LEJUENE
SDG-Case: CAMP **Status:** **QC Type:** REPORT LCS/LCSD
Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1308501	MMRP06-I540	5/25/2007	5/30/2007	6/11/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308502	MMRP06-I541	5/25/2007	5/30/2007	6/11/2007	
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308503	MMRP06-I542	5/25/2007	5/30/2007	6/11/2007	
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308504	MMRP05-IS01	5/29/2007	5/31/2007	6/11/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308505	MMRP05-IS02	5/29/2007	5/31/2007	6/11/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308506	MMRP05-IS03	5/29/2007	5/31/2007	6/11/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308507	MMRP05-IS04	5/29/2007	5/31/2007	6/11/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)

CompuChem

a division of Liberty Analytical Corp.

WORKORDER SUMMARY REPORT

Workorder: 13085 **Account:** SHEALY **Project:** CAMP LEJUENE

SDG-Case: CAMP **Status:** **QC Type:** REPORT LCS/LCSD

Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308508	MMRP05-IS05	5/29/2007	5/31/2007	6/11/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308509	MMRP05-IS06	5/29/2007	5/31/2007	6/11/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308510	MMRP05-IS07	5/29/2007	5/31/2007	6/11/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-I540

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13085

Matrix: (soil/water) SOIL Lab Sample ID: 1308501

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/30/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted: 06/01/01

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS41

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13085

Matrix: (soil/water) SOIL Lab Sample ID: 1308502

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/30/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:06/01/01

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MMRP06-IS42

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13085

Matrix: (soil/water) SOIL Lab Sample ID: 1308503

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: 05/30/07

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:06/01/01

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PWXLCS

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13085

Matrix: (soil/water) SOIL Lab Sample ID: 141357

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:06/01/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	1.7	
121-82-4	RDX	2.4	
99-35-4	1,3,5-Trinitrobenzene	1.7	
99-65-0	1,3-Dinitrobenzene	2.0	
479-45-8	Tetryl	0.5	
98-95-3	Nitrobenzene	2.0	
118-96-7	2,4,6-Trinitrotoluene	1.6	
35572-78-2	2-Amino-4,6-dinitrotoluene	2.9	
606-20-2	2,6-Dinitrotoluene	2.9	
121-14-2	2,4-Dinitrotoluene	1.9	
1946-51-0	4-Amino-2,6-dinitrotoluene	3.0	
88-72-2	2-Nitrotoluene	2.7	
99-99-0	4-Nitrotoluene	2.8	
99-08-1	3-Nitrotoluene	2.7	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PWXLCSD

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13085

Matrix: (soil/water) SOIL Lab Sample ID: 141358

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received:

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:06/01/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	1.7	
121-82-4	RDX	2.4	
99-35-4	1,3,5-Trinitrobenzene	1.7	
99-65-0	1,3-Dinitrobenzene	2.0	
479-45-8	Tetryl	0.5	
98-95-3	Nitrobenzene	1.9	
118-96-7	2,4,6-Trinitrotoluene	1.5	
35572-78-2	2-Amino-4,6-dinitrotoluene	3.0	
606-20-2	2,6-Dinitrotoluene	2.9	
121-14-2	2,4-Dinitrotoluene	2.0	
1946-51-0	4-Amino-2,6-dinitrotoluene	3.0	
88-72-2	2-Nitrotoluene	3.1	
99-99-0	4-Nitrotoluene	2.5	
99-08-1	3-Nitrotoluene	2.9	

FORM I PEST

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13085

GC Column(1): PINNACLE CYANO ID: 4.60 (mm) GC Column(2): C18 ID: 4.60

	EPA SAMPLE NO.	S1 1 %REC #	S1 2 %REC #	S2 1 %REC #	S2 2 %REC #	S3 1 %REC #	S3 2 %REC #	TOT OUT
01	PBLKWX	98	102					0
02	PWXLCS	98	99					0
03	PWXLCSD	96	100					0
04	MMRP06-IS40		98					0
05	MMRP06-IS41		98					0
06	MMRP06-IS42		100					0
07	MMRP05-IS01		97					0
08	MMRP05-IS02		104					0
09	MMRP05-IS03		100					0
10	MMRP05-IS04		101					0
11	MMRP05-IS05		97					0
12	MMRP05-IS06		90					0
13	MMRP05-IS07		101					0
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY
QC LIMITS

S1 = 1,4-Dinitrobenzene (38-155)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13085

LCS ID: PWXLCS Matrix Spike - EPA Sample No.: PWXLCS

COMPOUND	SPIKE ADDED (mg/Kg	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC #	QC. LIMITS REC.
HMX	2.0		1.7	85	50-150
RDX	2.0		2.4	120	50-150
1,3,5-Trinitrobenzene	2.0		1.7	85	50-150
1,3-Dinitrobenzene	2.0		2.0	100	50-150
Tetryl	3.0		0.5	18*	50-150
Nitrobenzene	2.0		2.0	99	50-150
2,4,6-Trinitrotoluene	2.0		1.6	80	50-150
2-Amino-4,6-dinitrotolu	3.0		2.9	97	50-150
2,6-Dinitrotoluene	3.0		2.9	97	50-150
2,4-Dinitrotoluene	2.0		1.9	95	50-150
4-Amino-2,6-dinitrotolu	3.0		3.0	100	50-150
2-Nitrotoluene	3.0		2.7	90	50-150
4-Nitrotoluene	3.0		2.8	93	50-150
3-Nitrotoluene	3.0		2.7	90	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

3F
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13085

LCS ID: PWXLCS Matrix Spike - EPA Sample No.: PWXLCS

COMPOUND	SPIKE ADDED (mg/Kg	LCSD CONCENTRATION (mg/Kg	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
HMX	2.0	1.7	85	0	30	50-150
RDX	2.0	2.4	120	0	30	50-150
1,3,5-Trinitrobenzene	2.0	1.7	85	0	30	50-150
1,3-Dinitrobenzene	2.0	2.0	100	0	30	50-150
Tetryl	3.0	0.5	17*	5	30	50-150
Nitrobenzene	2.0	1.9	98	1	30	50-150
2,4,6-Trinitrotoluene	2.0	1.5	75	6	30	50-150
2-Amino-4,6-dinitrotolu	3.0	3.0	100	3	30	50-150
2,6-Dinitrotoluene	3.0	2.9	97	0	30	50-150
2,4-Dinitrotoluene	2.0	2.0	100	5	30	50-150
4-Amino-2,6-dinitrotolu	3.0	3.0	100	0	30	50-150
2-Nitrotoluene	3.0	3.1	103	14	30	50-150
4-Nitrotoluene	3.0	2.5	83	11	30	50-150
3-Nitrotoluene	3.0	2.9	97	7	30	50-150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 14 outside limits
Spike Recovery: 2 out of 28 outside limits

COMMENTS: _____

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKWX

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13085

Lab Sample ID: 141356 Lab File ID: 027Y141356

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) OTHER

Sulfur Cleanup (Y/N) N Date Extracted: 06/01/07

Date Analyzed (1): 06/06/07 Date Analyzed (2): 06/09/07

Time Analyzed (1): 1713 Time Analyzed (2): 0717

Instrument ID (1): A11002 Instrument ID (2): A11001

GC Column (1): PINNACLE CYANO ID: 4.60(mm) GC Column (2): C18 ID: 4.60

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PWXLCS	141357	06/06/07	06/09/07
02	PWXLCSD	141358	06/06/07	06/09/07
03	MMRP06-IS40	1308501		06/09/07
04	MMRP06-IS41	1308502		06/09/07
05	MMRP06-IS42	1308503		06/09/07
06	MMRP05-IS01	1308504		06/09/07
07	MMRP05-IS02	1308505		06/09/07
08	MMRP05-IS03	1308506		06/09/07
09	MMRP05-IS04	1308507		06/09/07
10	MMRP05-IS05	1308508		06/09/07
11	MMRP05-IS06	1308509		06/09/07
12	MMRP05-IS07	1308510		06/09/07
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

FORM IV PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKWX

Lab Name: COMPUCHEM Contract: 8330

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 13085

Matrix: (soil/water) SOIL Lab Sample ID: 141356

Sample wt/vol: 2.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) OTHER Date Extracted:06/01/07

Concentrated Extract Volume: 10000(ul) Date Analyzed: 06/09/07

Injection Volume: 10.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
2691-41-0	HMX	0.62	U
121-82-4	RDX	0.62	U
99-35-4	1,3,5-Trinitrobenzene	0.62	U
99-65-0	1,3-Dinitrobenzene	0.62	U
479-45-8	Tetryl	1.2	U
98-95-3	Nitrobenzene	0.62	U
118-96-7	2,4,6-Trinitrotoluene	0.62	U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.2	U
606-20-2	2,6-Dinitrotoluene	1.2	U
121-14-2	2,4-Dinitrotoluene	1.2	U
1946-51-0	4-Amino-2,6-dinitrotoluene	1.2	U
88-72-2	2-Nitrotoluene	1.2	U
99-99-0	4-Nitrotoluene	1.2	U
99-08-1	3-Nitrotoluene	1.2	U

FORM I PEST

Subcontracted Data

CompuChem
a division of Liberty Analytical Corp.

CompuChem a Division of Liberty Analytical Corp.
Remit to: P.O. Box 4603
Cary, NC 27519-4603
Phone: (919) 379-4100
Fax: (919) 379-4050

Monday, June 11, 2007

LORIE CARLISLE
ARCADIS
801 CORPORATE CENTER DRIVE
SUITE 300
RALEIGH, NC 27607

RE: Project: 13085
Project ID: CAMP LEJUENE

Dear LORIE CARLISLE:

Enclosed are the analytical results for sample(s) received by the laboratory between Wednesday, May 30, 2007 and Thursday, May 31, 2007. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.
If you have any questions concerning this report, please feel free to contact your project manager.

Sincerely,

Paul E. Cvetich for
Marlene F. Swift
mswift@compuchemlabs.com

YES

Enclosures

REPORT OF LABORATORY ANALYSIS

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Remit to: P.O. Box 4603
Cary, NC 27519-4603
Phone: (919) 379-4100
Fax: (919) 379-4050

SAMPLE SUMMARY

Project: 13085
Project ID: CAMP LEJUENE

Lab ID	Sample ID	Matrix	Date Collected	Date Received
1308501	MMRP06-IS40	Soil	5/25/2007 08:10	5/30/2007 13:40
1308502	MMRP06-IS41	Soil	5/25/2007 08:40	5/30/2007 13:40
1308503	MMRP06-IS42	Soil	5/25/2007 09:10	5/30/2007 13:40
1308504	MMRP05-IS01	Soil	5/29/2007 11:30	5/31/2007 10:29
1308505	MMRP05-IS02	Soil	5/29/2007 12:00	5/31/2007 10:29
1308506	MMRP05-IS03	Soil	5/29/2007 12:20	5/31/2007 10:29
1308507	MMRP05-IS04	Soil	5/29/2007 14:00	5/31/2007 10:29
1308508	MMRP05-IS05	Soil	5/29/2007 14:30	5/31/2007 10:29
1308509	MMRP05-IS06	Soil	5/29/2007 15:00	5/31/2007 10:29
1308510	MMRP05-IS07	Soil	5/29/2007 15:30	5/31/2007 10:29

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SAMPLE ANALYTE COUNT

Project: 13085
Project ID: CAMP LEJUENE

Lab ID	Sample ID	Method	Analytes Reported
1308501	MMRP06-IS40	EPA 314.0	1
1308502	MMRP06-IS41	% Solids	1
		EPA 314.0	1
1308503	MMRP06-IS42	% Solids	1
		EPA 314.0	1
1308504	MMRP05-IS01	% Solids	1
		EPA 314.0	1
1308505	MMRP05-IS02	% Solids	1
		EPA 314.0	1
1308506	MMRP05-IS03	% Solids	1
		EPA 314.0	1
1308507	MMRP05-IS04	% Solids	1
		EPA 314.0	1
1308508	MMRP05-IS05	% Solids	1
		EPA 314.0	1
1308509	MMRP05-IS06	% Solids	1
		EPA 314.0	1
1308510	MMRP05-IS07	% Solids	1
		EPA 314.0	1

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ANALYTICAL RESULTS

Project: 13085
Project ID: CAMP LEJUENE
Solid results are reported on a wet weight basis.

Lab ID:	**1308501**	Date Collected:	5/25/2007 08:10	Matrix:	Soil
Sample ID:	**MMRP06-IS40**	Date Received:	5/30/2007 13:40		

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.00U	mg/kg	1.00	1	5/31/2007	2152	6/4/2007 00:00	2152			

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ANALYTICAL RESULTS

Project: 13085
Project ID: CAMP LEJUENE
Solid results are reported on a wet weight basis.

Lab ID: **1308502** Date Collected: 5/25/2007 08:40 Matrix: Soil
Sample ID: **MMRP06-IS41** Date Received: 5/30/2007 13:40

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.21U	mg/kg	1.21	1	5/31/2007	EXTR	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	82.6	%		1			6/1/2007 09:07	2171			

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ANALYTICAL RESULTS

Project: 13085
Project ID: CAMP LEJUENE
Solid results are reported on a wet weight basis.

Lab ID: **1308503** Date Collected: 5/25/2007 09:10 Matrix: Soil
Sample ID: **MMRP06-IS42** Date Received: 5/30/2007 13:40

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	CAS No.	Qual	RegLmt
Perchlorate by IC 314.0 Soil			Preparation Method: EPA 314.0 Analytical Method: EPA 314.0								
Perchlorate	1.12U	mg/kg	1.12	1	5/31/2007	EXTR	6/6/2007 00:00	2152			
Dry Weight			Analytical Method: % Solids								
Percent Solids	89.6	%		1			6/1/2007 09:07	2171			

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ANALYTICAL RESULTS QUALIFIERS

Project: 13085
Project ID: CAMP LEJUENE

PARAMETER QUALIFIERS

AFU/AFCEE U Flag Quant

AFJ/AFCEE J Flag Surrogates

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of extract, or moisture content

AFCEE J Flag Surrogates

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QUALITY CONTROL DATA

Project: 13085
Project ID: CAMP LEJUENE

QC Batch: WC/16137 | Analysis Method: EPA 314.0
QC Batch Method: EPA 314.0 | Analysis Description: Analytical procedure for 314.0

Associated Lab Samples: 1308301, 1308302, 1308303, 1308304, 1308305, 1308306, 1308307, 1308308, 1308309, 1308310, 1308311, 1308312, 1308313, 1308501, 1308502, 1308503, 1308504, 1308505, 1308506, 1308507, 1308508, 1308509, 1308510

METHOD BLANK: 141369

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Perchlorate	mg/kg	1.00U	1.00	

METHOD BLANK: 141372

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Perchlorate	mg/kg	1.00U	1.00	

LABORATORY CONTROL SAMPLE & LCSD: 141370 141371

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Perchlorate	mg/kg	25	25.6	27.4	102.0	110.0	80-120	6.87	20	

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QUALITY CONTROL DATA QUALIFIERS

Project: 13085
Project ID: CAMP LEJUENE

QUALITY CONTROL PARAMETER QUALIFIERS

Dilution factor shown represents the factor applied to the sample preparation, dilution of extract, or moisture content reported result and reporting limit due to changes in

LCS(D)/Laboratory Control Sample (Duplicate)

MS(D)/Matrix Spike (Duplicate)

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Phone: (919) 379-4100
Fax: (919) 379-4050

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 13085
Project ID: CAMP LEJUENE

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
1308502	MMRP06-IS41	% Solids	EXTR/11546		
1308503	MMRP06-IS42	% Solids	EXTR/11546		
1308501	MMRP06-IS40	EPA 314.0	EXTR/11547	EPA 314.0	WC/16137
1308502	MMRP06-IS41	EPA 314.0	EXTR/11547	EPA 314.0	WC/16137
1308503	MMRP06-IS42	EPA 314.0	EXTR/11547	EPA 314.0	WC/16137
1308504	MMRP05-IS01	% Solids	EXTR/11549		
1308505	MMRP05-IS02	% Solids	EXTR/11549		
1308506	MMRP05-IS03	% Solids	EXTR/11549		
1308507	MMRP05-IS04	% Solids	EXTR/11549		
1308508	MMRP05-IS05	% Solids	EXTR/11549		
1308509	MMRP05-IS06	% Solids	EXTR/11549		
1308510	MMRP05-IS07	% Solids	EXTR/11549		
1308504	MMRP05-IS01	EPA 314.0	EXTR/11550	EPA 314.0	WC/16137
1308505	MMRP05-IS02	EPA 314.0	EXTR/11550	EPA 314.0	WC/16137
1308506	MMRP05-IS03	EPA 314.0	EXTR/11550	EPA 314.0	WC/16137
1308507	MMRP05-IS04	EPA 314.0	EXTR/11550	EPA 314.0	WC/16137
1308508	MMRP05-IS05	EPA 314.0	EXTR/11550	EPA 314.0	WC/16137
1308509	MMRP05-IS06	EPA 314.0	EXTR/11550	EPA 314.0	WC/16137
1308510	MMRP05-IS07	EPA 314.0	EXTR/11550	EPA 314.0	WC/16137

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SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76066

Client: Shealy Envl. Svcs Inc	Report to Contact: Paul K. Biery	Telephone No. / Fax No. / E-mail: 803 791 9700	Quote No.
Address: 106 Vantage Pt. Dr.	Sampler's Signature: X	Waybill No.	Page 1 of 1
City: W. Columbia; State: SC; Zip Code: 29172	Printed Name	Analysis (Attach list if more space is needed.)	
Project Name: ONWASA			
Project No.	P.O. No.		Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	5035 Kit	Explosives	Pharmaceuticals							Remarks / Cooler I.D.
MMRP06-I540	5/25	0810			✓		1						✓	✓			1308501				on container ID: IE26015-001
MMRP06-I541	↓	0840			✓		1						✓	✓			1308502				IE26015-002
MMRP06-I542	↓	0910			✓		1						✓	✓			1308503				IE26015-003
																					gp 5/30/07

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☑ Unknown

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☐ Rush (Specify)

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: [signature]	5/29/07	1730	1. Received by: FEDEX	5/29/07	1730
2. Relinquished by			2. Received by: Jennifer Drew	5/30/07	9:50
3. Relinquished by			3. Laboratory Received by		

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 2.4 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

SHEALY Chain of Custody Record

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76072

Client: Shealy Envir. Svcs Inc	Report to Contact: Paul K. Biery	Telephone No. / Fax No. / E-mail:	Quote No.:
Address: 106 Vantage Pt. Dr.	Sampler's Signature: X	Waybill No.:	Page ____ of ____
City: W. Columbia; State: SC; Zip Code: 29172	Printed Name:	Analysis (Attach list if more space is needed.)	
Project Name: ECC ONWASA			
Project No.:	P.O. No.:		Lot No.:

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Purchase Orders	Explosives		Remarks / Cooler I.D.
MMRP05-ISO1	5/29/07	1130			✓		1						✓	✓		1308504
MMRP05-ISO2		1200			✓		1						✓	✓		1308505
MMRP05-ISO3		1230			✓		1						✓	✓		1308506
MMRP05-ISO4		1400			✓		1						✓	✓		1308507
MMRP05-ISO5		1430			✓		1						✓	✓		1308508
MMRP05-ISO6		1500			✓		1						✓	✓		1308509
MMRP05-ISO7		1530			✓		1						✓	✓		1308510

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☐ Rush (Specify)

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished by: [signature]	5/30/07	1730	1. Received by: FEDEX	5/30/07	1730
2. Relinquished by:			2. Received by: Jennifer Dove	5/31/07	9:50
3. Relinquished by:			3. Laboratory received by:		

Comments:

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 2.4 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

CompuChem

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WORKORDER SUMMARY REPORT

Workorder: 13085 **Account:** SHEALY **Project:** CAMP LEJUENE

SDG-Case: CAMP **Status:** **QC Type:** REPORT LCS/LCSD

Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1308501	MMRP06-I540	5/25/2007	5/30/2007	6/11/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308502	MMRP06-I541	5/25/2007	5/30/2007	6/11/2007	
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308503	MMRP06-I542	5/25/2007	5/30/2007	6/11/2007	
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308504	MMRP05-IS01	5/29/2007	5/31/2007	6/11/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308505	MMRP05-IS02	5/29/2007	5/31/2007	6/11/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308506	MMRP05-IS03	5/29/2007	5/31/2007	6/11/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308507	MMRP05-IS04	5/29/2007	5/31/2007	6/11/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)

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WORKORDER SUMMARY REPORT

Workorder: 13085 **Account:** SHEALY **Project:** CAMP LEJUENE

SDG-Case: CAMP **Status:** **QC Type:** REPORT LCS/LCSD

Report Style: COMPUCHEM STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308508	MMRP05-IS05	5/29/2007	5/31/2007	6/11/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308509	MMRP05-IS06	5/29/2007	5/31/2007	6/11/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			
1308510	MMRP05-IS07	5/29/2007	5/31/2007	6/11/2007	**LCS/LCSD OK FOR QC**REPORT EXPLOSIVES(RESIDUAL) AND PERCHLORATE)
S	3140CL04.S	Perchlorate by IC 314.0 Soil			
S	DRY WEIGHT	Dry Weight			
S	GS8330ALL	EXPLOSIVES 8330 ALL SOIL			

Subcontracted Data

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

June 18, 2007 4:37:29PM

Client: Shealy Environmental Services (8677)
106 Vantage Point Drive
Cayce, SC 29033
Attn: Paul Biery

Work Order: NQE3690
Project Name: Shealy Environmental Services-SC
Project Nbr: ONWASA
P/O Nbr:
Date Received: 05/30/07

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MMRP06-IS40	NQE3690-01	05/25/07 08:10
MMRP06-IS41	NQE3690-02	05/25/07 08:40
MMRP06-IS42	NQE3690-03	05/25/07 09:10

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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South Carolina Certification Number: WW & S/HW cert - 84009001 DW cert - 84009002

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.
Estimated uncertainity is available upon request.
This report has been electronically signed.
Report Approved By:

Andy Johnson

Operations Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3690
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	ONWASA
Attn	Paul Biery	Received:	05/30/07 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQE3690-01 (MMRP06-IS40 - Soil) Sampled: 05/25/07 08:10								
General Chemistry Parameters								
% Dry Solids	**88.3**		%	0.500	1	06/06/07 09:18	SW-846	7060580
Extractable Organic Halides	ND		mg/kg dry	56.6	1	06/15/07 15:11	SW846 9023	7062549
Sample ID: NQE3690-02 (MMRP06-IS41 - Soil) Sampled: 05/25/07 08:40								
General Chemistry Parameters								
% Dry Solids	**84.5**		%	0.500	1	06/06/07 09:18	SW-846	7060580
Extractable Organic Halides	ND		mg/kg dry	59.2	1	06/15/07 15:11	SW846 9023	7062549
Sample ID: NQE3690-03 (MMRP06-IS42 - Soil) Sampled: 05/25/07 09:10								
General Chemistry Parameters								
% Dry Solids	**80.8**		%	0.500	1	06/06/07 09:18	SW-846	7060580
Extractable Organic Halides	ND		mg/kg dry	61.9	1	06/15/07 15:11	SW846 9023	7062549

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3690
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	ONWASA
Attn	Paul Biery	Received:	05/30/07 08:30

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
7062549-BLK1						
Extractable Organic Halides	<17.0		mg/kg wet	7062549	7062549-BLK1	06/15/07 15:11

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3690
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	ONWASA
Attn	Paul Biery	Received:	05/30/07 08:30

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters									
7062549-DUP1									
Extractable Organic Halides	68.0	69.1		mg/kg dry	2	20	7062549	NQE3780-06	06/15/07 15:11

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3690
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	ONWASA
Attn	Paul Biery	Received:	05/30/07 08:30

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
7062549-BS1								
Extractable Organic Halides	1000	1020		ug/mL	102%	90 - 113	7062549	06/15/07 15:11

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3690
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	ONWASA
Attn	Paul Biery	Received:	05/30/07 08:30

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
General Chemistry Parameters										
7062549-MS1										
Extractable Organic Halides	19.7	1030		ug/mL	1000	101%	61 - 141	7062549	NQE3690-01	06/15/07 15:11

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3690
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	ONWASA
Attn	Paul Biery	Received:	05/30/07 08:30

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters												
7062549-MSD1												
Extractable Organic Halides	19.7	974		ug/mL	1000	95%	61 - 141	6	20	7062549	NQE3690-01	06/15/07 15:11

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Shealy Environmental Services (8677)	Work Order:	NQE3690
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	ONWASA
Attn	Paul Biery	Received:	05/30/07 08:30

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	South Carolina
SW846 9023	Soil	N/A	X	
SW-846	Soil			

Client	Shealy Environmental Services (8677)	Work Order:	NQE3690
	106 Vantage Point Drive	Project Name:	Shealy Environmental Services-SC
	Cayce, SC 29033	Project Number:	ONWASA
Attn	Paul Biery	Received:	05/30/07 08:30

DATA QUALIFIERS AND DEFINITIONS

ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

ANALYTICAL TESTING CORPORATION
Nashville, TN

COOLER RECEIPT FORM

Cooler Received/Opened On: 5/30/07 @ 8:30 NQE3690

1. Tracking # 2896 (last 4 digits, FedEx)

Courier: FED EX IR Gun ID: 90942856

2. Temperature of rep. sample or temp blank when opened: 4.2 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where:

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JR

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (intial) JG

15a. on pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here

16. Is residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial). JR

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial). JR

I certify that I attached a label with the unique LIMS number to each container (initial). JR

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#

BIS = Broken in shipment

End of Form

SHEALY *Chain of Custody Record*

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111

Number 76069

NQE3690
06/13/07 23:59

Client: Shealy Envtl. Svcs Inc	Report to Contact: Paul K. Biery	Telephone No. / Fax No.	Quote No.
Address: 106 Vantage Pt. Dr.	Sampler's Signature: X	Waybill No.	Page 1 of 1
City: W. Columbia; State: SC; Zip Code: 29172	Printed Name	Analysis (Attach list if more space is needed.)	
Project Name: ONWASA			
Project No.	P.O. No.		Lot No.

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	G=Grab C=Composite	Matrix: Aqueous	Solid	Non-Aqueous	No. of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	5035 Kit	Total organic halogen										Remarks / Cooler I.D.
MMRP06 - IS40	5/25/07	0810			✓		1						✓	NQE	3690			-1					
MMRP06 - IS41	↓	0840			✓		1						✓					2					
MMRP06 - IS42	↓	0910			✓		1						✓					3					

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☐ Rush (Specify)

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by	5-29-07	1730	1. Received by: FEDEX	5-29-07	1730
2. Relinquished by			2. Received by: 5/30/07 0830 4.2 °C		
3. Relinquished by			3. Laboratory received by		

Comments

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack

Receipt Temp. _____ °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-012 Effective Date: 08-04-02

Shealy Environmental Services
106 Vantage Point Drive
West Colombia, South Carolina 29172

phone # (803) 791-9700 fax # (803) 791-91111

Client Contact	Project Manager: Chuck Bertz	Site Contact: Adam Tripp	Date: 5/25/06	COC No:
ARCADIS	Tel/Fax:	Lab Contact: Paul Biery	Carrier: FED EX	Page #
801 Corporate Center Drive Suite 300	Analysis Turnaround Time			Job No. NC107002
Raleigh, North Carolina	Calendar (C) or Work Days (W) ____ W ____			
919-854-1282	TAT if different from Below _____			
919-854-5448	■ 2 weeks			SDG No.
Project Name: ONWASA	☐ 1 week			
Site: ☐ UXO-05	☐ 3 days			
Site: ☒ UXO-06	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Explosive Residues 8330	TCLP Pesticides 8081A	TAL Metals 6010/74220 and 6010/7421 for so	Cyanide (Total) 9012	TOC 415.1 and Walkely Black for soil	PCB's (Aroclors) 8082	VOC's 8260B	SVOC's 8270C	Total Organic Halogens 9020B	Perchlorate 314	TPH-GRO 5030A/8015A	TPH-DRO 3350A/8015A	Sample Specific Notes:
MMRP – 40	5/25	810																
MMRP – 41	↓	840																
MMRP – 42	↓	910																
MMRP																		
MMRP																		
MMRP																		
MMRP																		
MMRP																		
MMRP																		
MMRP																		
MMRP																		
MMRP																		
MMRP																		
MMRP																		

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ■ *Unknown*

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 & Comments: All sample containers have abreviated sample ID's. For example soil sample container labeled "01" from site UXO-05 has a true ID of "MMRP05-IS01", as indicated on the COC. Ground water sample container labeled "TW16" from site UXO-06 has a true ID of "MMRP06-TW16". Please report all samples with the true ID.

Relinquished by:	Company: ARCADIS	Date/Time: 5/25 1700	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services
106 Vantage Point Drive
West Columbia, South Carolina 29172

phone # (803) 791-9700 fax # (803) 791-9111

IE76015

Client Contact:	Project Manager: Chuck Bertz	Site Contact: Adam Tripp	Date: 5/25/07	COC No:
ARCADIS	Tel/Fax:	Lab Contact: Paul Hiery	Carrier: FED EX	Page #
801 Corporate Center Drive Suite 300	Analysis Turnaround Time			Job No. N07107002
Raleigh, North Carolina	Calendar (C) or Work Days (W) W			
919-854-1282	*ATTN: Need results by _____			
919-854-5448	■ 2 weeks			SDG No.
Project Name: OMVASA	☐ 1 week			
Site: ☐ UXO-05	☐ 3 days			
Site: ☒ UXO-06	☐ 2 days			
PO# N2107002.0001.00003	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Explosives Residues 8330	TCL Pesticides 8081A	PAH, Metals, cyanide, total phenols (Oxidizable) for soil	Cyanide (Oxidizable) for soil	TOC 415.1 and Walkley Black for soil	PCDFs (Furans) 8082	VOCs 8260B	SVOCs 8270C	Total Organic Halogens 9020B	Perchlorate 314	TPH-GRO 2096A/8015B	TPH-DRO 3550A/8015A	Sample Specific Notes:
MMRP06-IS40	5/25	810	S														X	
MMRP06-IS41	↓	840	S														X	
MMRP06-IS42	↓	910	S														X	
MMRP																		
MMRP																		
MMRP																		
MMRP																		
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MMRP																		

Preservation Used: 1=Ice, 2=HCl; 3=H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ■ Unknown

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 & Comments: "All sample containers have abreviated sample ID's. For example soil sample container labeled "01" from site UXO-05 has a true ID of "MMRP05-IS01", as indicated on the COC. Ground water sample container labeled "TW15" from site UXO-06 has a true ID of "MMRP05-TW15". Please report all samples with the true ID.

Relinquished by:	Company: ARCADIS	Date/Time: 5/25 1100	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

0.5 TB