

F&T Darrigo Site
ORANGE COUNTY, NEW YORK

Final Engineering Report

NYSDEC Site Number: 3-36-002

Prepared for:

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AUGUST 2016

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CERTIFICATIONS

I, Jamison Morse, certify that I am currently a NYS registered professional engineer, with primary direct responsibility for the implementation of the subject construction program, and I certify that the approved Remedial Work Plan was implemented and that all construction activities were completed in substantial conformance with the NYSDEC-approved Remedial Work Plan.

The data submitted to the NYSDEC demonstrates that the remediation objectives set forth in the approved Remedial Work Plan and all applicable statutes and regulations have been or will be achieved in accordance with the timeframes established in the Work Plan.

All use restrictions, institutional controls, engineering controls and/or any operation and maintenance requirements applicable to the site are contained in a Declaration of Covenants and Restrictions created and filed with the clerk of Orange County, New York.

A Site Management Plan will be submitted for the continual and proper operation, maintenance, and monitoring of any engineering controls employed at the site including the proper maintenance of any remaining monitoring wells, and that such plan has been approved by the NYSDEC.

Any financial assurance mechanisms required by the NYSDEC pursuant to Environmental Conservation Law have been executed.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Jamison Morse, of PVE Sheffler, am certifying as Owner's Designated Site Representative for the site.

Signature
Date


8/4/16



EXECUTIVE SUMMARY

This Final Engineering Report (FER) summarizes activities completed in accordance with the State-approved Remedial Work Plan for the New York State Department of Environmental Conservation (NYSDEC) Site #3-36-002, known as the F&T Darrigo Site. The site is located between Lakeside Road and Interstate 84, in the Town of Newburgh, Orange County, New York (Figure 1). A description of remedial actions performed, summary of contaminated materials removed, and future site management activities are outlined herein:

Site History

From 1948 until 1985, the Site was operated by F&T Darrigo for septage disposal. In 1984, NYSDEC collected samples of onsite soils that revealed concentrations of several metals at levels of concern. A State-funded Phase II investigation report dated 1991 confirmed the presence of metals in soil piles and two lagoons. In March 1999, NYSDEC issued an Order on Consent, which set forth requirements for a Focused Remedial Investigation (FRI) and Focused Feasibility Study (FFS).

From 1999 through 2001, remedial investigations were performed. A total of 108 soil samples were collected: 56 from the two lagoons, 18 samples from former soil pile locations, 30 samples collected from 12 locations within the land spreading area, and four (4) samples were also collected to establish background concentrations of metals. A report titled *Focused Remedial Investigation Report*, dated June 2002 and prepared by William L. Going & Associates, Inc., describes field activities and findings of the FRI in detail.

Concentrations of heavy metals in soil in the lagoons and land spreading area were compared to Soil Cleanup Objectives (SCOs) and Eastern U.S. Background Levels listed in NYSDEC TAGM #4046 standards. Soil in the lagoons and land spreading area contained concentrations of copper, chromium, lead, nickel and zinc warranting additional investigations. Concentrations of cadmium, mercury, arsenic and barium were also detected in these areas.

NYSDEC Approved Remedial Work Plan

In 2009, NYSDEC approved the Remedial Work Plan which consists of the following:

- Offsite disposal of stockpiled soil and soil containing chromium in excess of 1,000 mg/kg (Figure 2).
- Contaminated soil in the lagoons area (East Lagoon (EL) and West Lagoon (WL)) will be left in place. Contaminated soil in the Land Spreading Area (LSA) will be excavated and placed in a consolidation area, which will be centered over the two lagoons. The

consolidation area will then be covered with two feet of clean fill (Figure 2).

- The six monitoring wells will be monitored semi-annually (Figure 3).
- A Site Management Plan (SMP) will be developed and implemented. The SMP will include institutional controls and engineering controls to: Address soils that may be excavated from the consolidation area in the future; Provide for the operation and maintenance of the components of the remedy; Outline and monitor the groundwater monitoring program; and identify any restrictions on site development or groundwater use.
- A Declaration of Covenants and Restrictions will be recorded, which identifies all use restrictions. Uses in the consolidation area will be limited to green space or parking.
- The SMP will require that the property owner complete and submit to the NYSDEC an Institutional Control/Engineering Control (IC/EC) certification periodically.

Summary of Remedy

During July and August 2010, the following were completed:

- Excavation and stockpiling of approximately 150 cubic yards of contaminated soil from the LSA and WL with chromium concentrations in excess of 1,000 mg/kg.
- 2,100 cubic yards of soil excavated from LSA and placed into Consolidation Area.
- 8,625 cubic yards of soil placed over contaminated soil to create the Consolidation Area Cap.
- Replaced monitoring well damaged prior to construction of Consolidation Area.
- Completed pre- and post-cap construction groundwater monitoring at the 6 stipulated groundwater monitoring wells.
- Supervised offsite disposal of approximately 640 tons of stockpiled soil with chromium concentrations in excess of 1,000 mg/kg.

The following consultants and contractors were responsible for implementing the State-approved Remedial Work Plan:

PVE Sheffler, LLC (PVE) (Formerly Conrad Geoscience Corp.) - Supervising Engineer of Record, Site Manager, and Lead Environmental Consultant; Ongoing

Responsible for the daily implementation of the remedial program, sample collection, reporting and ultimate performance and completion of the remedy, compliance with Site Management

Plan, and the Final Engineering Certification of completed work. Future responsibilities include preparation and submittal of the Site Management Plan.

Corewood Ventures, Inc. (CVI) - Remediation Contractor; June through August 2010

Responsible for excavation and stockpiling of contaminated soils, construction of soil consolidation area.

Romar Enterprises (RE) – Waste Removal Contractor; October and November 2010

Responsible for the loading and transportation of stockpiled contaminated soil.

1.0 INTRODUCTION

This Final Engineering Report (FER) summarizes the field activities, results and conclusions for the Remedy implemented in accordance with the NYSDEC-approved REMEDIAL WORK PLAN, dated August 2009.

1.1 Site Description & Background

The F&T Darrigo property is located on Lakeside Road, immediately north of Interstate I-84 (I-84) in the Town of Newburgh, Orange County, New York (Figure 1). The Site is an 8.86-acre parcel that occupies the southeastern corner of the 60-acre Darrigo property, tax lot 86-1-96 (Figure 2). The boundaries of the Site are fully described in Appendix A: Survey Map, Metes and Bounds.

Mr. Frank Darrigo entered into an Order on Consent, with the New York State Department of Environmental Conservation (NYSDEC) in 1999, to investigate and remediate the approximate 9-acre Site. The property was remediated to commercial and unrestricted uses pursuant to a NYSDEC approved Remedial Work Plan.

An electronic copy of this FER with all supporting documentation is included as Appendix B.

A portion of the Darrigo property is currently operated as a lumber and landscaping materials yard, although the Site itself is not being utilized. From 1948 until 1985, the Site was operated by F&T Darrigo for septage disposal. The operation utilized two lagoons and a land spreading area (Figure 3). Previous reports and studies indicate that the Site received an estimated 800,000 gallons per year of liquid waste. It is suspected that the hazardous materials including spent cleaning solution from metal finishing, furniture stripping waste, and batteries containing lead were disposed of in the onsite lagoons and spread with the septage waste.

1.2 Initial Classification

In 1983, NYSDEC placed the F&T Darrigo site on the NYS Registry of Inactive Hazardous Waste Disposal sites as a Class 2A site. This temporary classification is assigned to sites where there is confirmed disposal of hazardous waste but inadequate data on impacts to the environment and human health to assign one of the five classifications specified by law.

Within the Site, an area of approximately 2.5 acres is known to be contaminated with heavy metals (chromium (Cr), copper (Cu), nickel (Ni), lead (Pb), and zinc (Zn)). The contaminated

acreage can be divided into three areas, as follows (see Figure 3):

Lagoons: The East Lagoon (1.33 acres) and West Lagoon (0.67 acre) comprise a total area of approximately 2.0 acres. The lagoon areas were previously used for the storage of septic waste to be spread to the area south of the West Lagoon. The lagoons have been cleared of large diameter trees (trunks larger than 2-inch diameter), brush and thistle.

Former Soil Piles: Soil piles were previously located adjacent to the unpaved access road, northeast of the lagoons. The soil piles were associated with historic sludge disposal activities and consisted of soil with blue-green coloring. The soil piles and a contaminated area of the access road were excavated during the Focused Remedial Investigation (FRI), and staged onsite (see Figure 2 – Upper and Lower Stockpiles).

Land Spreading Area: The land spreading area is located south of the West Lagoon, directly north of I-84. The area occupies approximately 0.5 acres and was historically used for the spreading of dried septic waste.

1.3 Phase II Investigation

In March 1984, the NYSDEC collected samples of onsite soils that revealed concentrations of several metals at levels of concern. In 1986, a State-funded Phase II investigation was conducted, the results of which were reported to NYSDEC in January 1991. This investigation confirmed the presence of metals at concentrations above soil cleanup levels in soil piles and the two lagoons. Groundwater samples collected during the Phase II investigation indicated that groundwater had not been affected by site operations. The Phase II Investigation concluded that further investigation was necessary to determine the extent of the contamination at the site and to select appropriate remedial measures.

1.4 Focused Remedial Investigation (FRI)

In March 1999, NYSDEC issued an Order on Consent, which set forth requirements for the respondents to voluntarily undertake a FRI and Focused Feasibility Study (FFS). The Order on Consent was effective in March 1999. From 1999 through 2001, remedial investigations were performed. The FRI was conducted in three phases. The first phase was between July 1999 and October 1999, the second phase in February 2000, and the third phase between June 2001 and October 2001. A report entitled Focused Remedial Investigation Report, dated June 2002, describes field activities and findings of the FRI in detail.

The FRI included the following activities:

- Survey of site features, including lagoons, access roads, and soil piles.
- Installation of four monitoring wells for analysis of groundwater samples and hydrogeologic conditions.
- Collection of 108 soil samples for analysis of metals concentrations.
- Excavation and onsite staging of soil piles consisting of sewage and industrial waste sludge, and excavation of an adjacent portion of the access road that contained elevated concentrations of metals.

The FRI analytical data were compared to environmental Standards, Criteria, and Guidance values (SCGs). Groundwater, drinking water and surface water SCGs for the F&T Darrigo site are based on NYSDEC Ambient Water Quality Standards and Guidance Values and Part 5 of the New York Sanitary Code. For soil, the 2002 FRI utilized NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046 to determine applicable soil cleanup guidelines for the protection of groundwater, background concentrations, and health-based exposure scenarios. In addition, for soil, site-specific background concentrations can be considered for certain classes of contaminants. The results of the FRI, compared to SCGs and potential public health and environmental exposure routes, demonstrated that certain media and areas of the site require remediation. As described in the FRI report, the main category of contaminants that exceed SCGs is metals. The five primary metals of concern are chromium, copper, lead, nickel and zinc. Cadmium, mercury, arsenic and barium were also detected above SCGs in a much smaller number of samples.

The following is a summary of the results, as presented in the Record of Decision (ROD) March 2003:

- A total of 108 soil samples were collected: 56 from the two lagoons, 18 samples from former soil pile locations, 30 samples from the land spreading area, and four samples from two locations north of the lagoons in a wooded area to establish background concentrations.
- Each of the lagoons exhibited fairly uniform contamination throughout. Elevated concentrations (as compared to TAGM #4046 SCOs) of metals were mainly confined to surface soils to a depth of 2 feet below ground surface.
- Maximum concentrations of the five primary metals of concern within the lagoons were 1,520 mg/kg copper; 2,250 mg/kg chromium; 663 mg/kg lead; 219 mg/kg nickel; and 1,040 mg/kg zinc. The SCGs for these compounds are 25 mg/kg for copper, 10 mg/kg for chromium, site background for lead, 13 mg/kg for nickel, and 20 mg/kg zinc. Exceedances of SCGs were also detected in a limited number of samples for other metals, including cadmium, mercury, arsenic and barium. These metals were detected at

maximum concentrations of 14.1 mg/kg, 2.2 mg/kg, 29.1 mg/kg and 777 mg/kg, respectively. The SCGs for these metals are 1 mg/kg for cadmium, 0.1 mg/kg for mercury, 7.5 mg/kg for arsenic and 300 mg/kg for barium.

- PCBs were detected in several samples from the East Lagoon, with all concentrations less than 1 mg/kg.
- One (1) sample contained elevated concentrations (as compared to TAGM #4046 SCOs) of semi-volatile organic compounds (SVOCs).
- No pesticides or volatile organic compounds (VOCs) were detected in any of the samples.
- Of the 108 samples, 13 samples within the lagoons were analyzed to determine if the soil should be classified as hazardous waste. None of the samples exceeded the threshold for classification as hazardous waste.
- Samples were collected from the soil piles and analyzed for the five primary contaminants of concern, as described above.
- The two soil piles and an area of contamination along the access road located south of the West Lagoon were excavated and staged onsite. Two rounds of excavation and confirmatory soil sampling were conducted. A total of 450 tons of soil were excavated from these areas and staged onsite (see Figure 2 – Upper and Lower Stockpiles).
- Six (6) samples were collected from the Land Spreading Area and analyzed for the five primary metals of concern. Maximum concentrations from these locations were: 1,410 mg/kg copper, 2,210 mg/kg chromium, 1,560 mg/kg lead, 253 mg/kg nickel and 983 mg/kg zinc.
- Four background samples were collected from the ground surface and from 12 inches below grade at two locations. The four samples were analyzed for the five primary metals of concern. Only zinc exceeded the SCG of 20 mg/kg, with concentrations of 55.6 mg/kg and 114 mg/kg in the surface samples.
- Four (4) groundwater monitoring wells were installed: MW-3, MW-4, MW-5, and MW-6; in addition to existing wells GWFT-1 and GWFT-2 (Figure 3). No metals of concern were detected above SCGs in the groundwater samples. Iron and manganese were detected above SCGs, with a maximum iron concentration of 7,430 ppb and a maximum manganese concentration of 518 ppb. The SCG for the sum of iron and manganese is 500 ppb. Aluminum was also detected above the SCG value of 100 ppb at 5,460 ppb.

These results were determined to be representative of natural groundwater quality in this area.

1.5 Focused Feasibility Study (FFS)

The FFS evaluated various remedial options and technologies. Remedial alternatives were developed and evaluated in terms of protection of human health and the environment; compliance with applicable or relevant and appropriate requirements (ARARs); long-term effectiveness and permanence; reduction of toxicity, mobility, and volume through treatment; short-term effectiveness; implementability; and cost.

Alternatives were then ranked. The FFS and the selected remedy are the foundation for the Record of Decision (ROD).

1.6 Program Status

In March 2003, NYSDEC issued the ROD, setting forth the selected remedy for the site.

In July 2009, NYSDEC approved the Remedial Work Plan.

In November 2009, the NYSDEC issued an Explanation of Significant Difference (ESD), which removed phytoremediation as a component of the selected remedy.

The Remedial Work Plan consisted of the following elements:

- Excavation and offsite disposal of soil from the EL and LSA with chromium concentrations in excess of 1,000 mg/kg.
- Excavation and transfer of remaining impacted soil to the Consolidation Area centered over the two lagoons.
- Excavation and offsite disposal of previously stockpiled material.
- The Consolidation Area will be covered with 2 feet of clean fill. An erosion control program in the form of grass or other vegetative cover will be developed to stabilize soil across the consolidation area.
- The six monitoring wells will be monitored semi-annually.

- A Site Management Plan (SMP) will be developed and implemented. The SMP will include institutional controls and engineering controls to: address soils that may be excavated from the consolidation area in the future; provide for operation and maintenance of the components of the remedy; outline and monitor groundwater; and identify any restrictions on site development or groundwater use.
- A Declaration of Covenants and Restrictions will be recorded which identifies all use restrictions. Uses in the consolidation area will be limited to green space or parking.
- The SMP will require that the property owner complete and submit to the NYSDEC an Institutional Control/Engineering Control (IC/EC) certification periodically.

1.7 Future Requirements

The requirements for completion of actions are outlined by the documents listed below:

- Final Engineering Report - Prepared by PVE Sheffler, LLC with primary responsibility for the day to day performance of the activities under the ROD at the conclusion of all activities required by the Remedial Work Plan.
- Site Management Plan (SMP) – The SMP replaces the historically required Operating, Maintenance & Monitoring (OM&M) Plan, and outlines the elements of the on-going monitoring and maintenance of the site.
- Periodic Review Reports –Will be required as the SMP will require ongoing operation, maintenance, and monitoring or institutional controls. Periodic Review Reports are due at the frequency defined in the SMP.

2.0 SUMMARY OF SITE REMEDY

2.1 Remedial Action Objectives (RAOs)

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) were identified for this site.

2.1.1 Groundwater RAOs

RAOs for Public Health Protection:

- Prevent ingestion of groundwater containing metals at concentrations exceeding 6 NYCRR Part 700-705 Class GA groundwater standards.

RAOs for Environmental Protection:

- Prevent the discharge of contaminants to surface water.

2.1.2 Soil RAOs

RAOs for Public Health Protection:

- Remove soil in the LSA and WL which contain chromium at concentrations that exceed 1,000 mg/kg (mg/kg).
- Excavate soil which contains contaminants at concentrations exceeding 6 NYCRR Part 375, *Unrestricted Residential Soil Cleanup Objectives (SCOs)*, from the LSA.
- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants from contaminated soil.

RAOs for Environmental Protection:

- Prevent migration of contaminants that would result in groundwater or surface water contamination.
- Prevent impacts to biota due to ingestion/direct contact with contaminated soil that would cause toxicity or bioaccumulation through the terrestrial food chain.

2.2 Description of Selected Remedy

The Site was remediated in accordance with the remedy selected by the NYSDEC in the ROD, dated March 2003, and ESD dated November 2009.

The factors considered during the selection of the remedy are those listed in 6 NYCRR 375-1.8.

The following are the components of the selected remedy:

- Excavation and stockpiling of approximately 150 cubic yards of contaminated soil from the LSA and WL with chromium concentrations in excess of 1,000 mg/kg (to be disposed of with other stockpiled material).
- 2,100 cubic yards of soil excavated from LSA and placed into Consolidation Area.
- 8,625 cubic yards of soil placed over contaminated soil to create the Consolidation Area Cap.
- Replaced monitoring well damaged prior to construction of Consolidation Area.
- Completed pre- and post-cap construction groundwater monitoring at the 6 stipulated groundwater monitoring wells.
- Documented the loading and offsite disposal (by Corewood Ventures and Romar Enterprises) of approximately 640 tons of stockpiled soil with chromium concentrations in excess of 1,000 mg/kg.

3.0 INTERIM REMEDIAL MEASURES, OPERABLE UNITS AND REMEDIAL CONTRACTS

The remedy for this Site was performed as a single project. No interim remedial measures, operable units or separate construction contracts were performed.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

4.1 Governing Documents

4.1.1 Site Specific Health & Safety Plan (HASP)

Remedial work performed under this Remedial Action was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal Occupational Safety and Health Administration (OSHA). The Health and Safety Plan (HASP) was in effect for remedial and invasive work performed at the Site.

4.1.2 Soil Excavation and Consolidation Plan (SMP)

Section 6.2 of the Remedial Work Plan dated August 21, 2009 (Appendix C), summarizes the Soil Management Plan (SMP) for the site. All remedial work performed under this Remedial Action conformed to the procedures and methods included in the SMP.

4.1.3 Storm Water Pollution Prevention Plan (SWPPP)

The erosion and sediment controls for all remedial construction were performed in conformance with generally accepted industry practices, including the following:

- Vehicle speeds were restricted within the work area where soil was exposed.
- Siltation fence and hay bales were placed around the down-slope perimeter of the work area.
- Dust suppression techniques were employed during remedial work when airborne particulate matter was observed or air monitoring instrumentation recorded particulate matter at concentrations in excess of action levels presented in the Community Air Monitoring Plan (CAMP).

4.1.4 Community Air Monitoring Plan (CAMP)

The CAMP was prepared and implemented in conformance with the NYSDOH Generic Community Air Monitoring Plan as contained in Appendix 1A of the DER-10 TECHNICAL GUIDANCE FOR SITE INVESTIGATION AND REMEDIATION, May 3, 2010; and TAGM 4031.

4.2 Remedial Program Elements

4.2.1 Contractors and Consultants

The following is a list of the consultants and contractors responsible for implementation of the remedial activities:

PVE Sheffler, LLC (PVE) (Formerly Conrad Geoscience Corp.) - Supervising Engineer of Record, Site Manager, and Lead Environmental Consultant; Ongoing

Responsible for the daily implementation of the remedial program, sample collection, reporting and ultimate performance and completion of the remedy, compliance with Site Management Plan, and the Final Engineering Certification of completed work. Future responsibilities include preparation and submittal of the Site Management Plan.

Corewood Ventures, Inc. (CVI) - Remediation Contractor; June through August 2010

Responsible for excavation and stockpiling of contaminated soils, construction of soil consolidation area.

Romar Enterprises (RE) – Waste Removal Contractor; October and November 2010

Responsible for the loading and transportation of stockpiled contaminated soil.

4.2.2 Site Layout & Mapping

Prior to field activities, a GIS database was developed which included the locations of previously collected documentation samples (RI/FFS, and Geoprobe soil boring data assembled August 2008, attached to the August 2009 Remedial Work Plan). These sample locations provided the basis of the areas to be excavated and disposed of offsite, and the areas of contaminated soil to be placed into the Consolidation Area. This database was merged with geo-referenced aerial photographs and site figures from the Remedial Work Plan – provided as Appendix C), and was subsequently loaded on a handheld Trimble Geo-XH GPS with sub-foot accuracy for field mapping.

4.2.3 Community Air Monitoring

To implement the CAMP, field personnel calibrated and tested two TSI DustTrak PM-10 units and two hand-held TSI PDR-1000 units to monitor air quality during remedial activities. CAMP

results are included in Section 4.2.7.

4.2.4 Site Preparations and Access Control (Decon Pad)

Clearing and Grubbing

In order to prepare the soil consolidation area (Figure 4), CVI removed stumps, large woody debris and rocks with heavy machinery. These items were relocated on the Darrigo property outside of the Soil Consolidation Area.

Decontamination Pad

CVI constructed a decontamination pad (decon pad) at the northwest entrance to the consolidation area, as shown in Figure 4. The pad consisted of a sloped surface lined with two layers of three millimeter polyester sheeting that was backfilled with large gravel and contained a sump pump in a sub-grade pit on the downslope side. The sump pump was connected to a 1,000 gallon water storage tank to house decontamination water. A photograph of the decontamination pad is included in Appendix D. CVI also installed erosion control fencing on the southwest side of the LSA, as indicated on the photograph included in Appendix D. All trucks and equipment exiting the Soil Consolidation Area during any activity were decontaminated following standard operating procedures. Wastewater was containerized and staged for future profiling and offsite disposal as necessary.

Exclusion Zone

Upon completion of installation of the Decon Pad, field personnel established an exclusion zone which included the WL, EL and LSA. The only access into this zone was through the gate at the Decon Pad. Personnel entering the exclusion zone were signed in at the field trailer established in the support zone.

4.2.5 Excavation of Soil Containing Chromium in Excess of 1,000 mg/kg (WL and LSA)

Prior to excavation activities, field personnel established locations in the LSA and WL where samples contained chromium at concentrations exceeding 1,000 mg/kg (Figure 5) using a Trimble Geo-XH GPS and wooden survey stakes (Appendix D). These locations were based on Figure 6C of the Remedial Work Plan (Appendix C).

On July 13, 2010, field personnel supervised the excavation of 100 cubic yards of soil with chromium concentrations in excess of 1,000 mg/kg from the WL and LSA, as indicated in Figure

5. In accordance with the approved work plan, soil was excavated to a depth of up to 3 feet below grade and staged adjacent to previously stockpiled soil in the Upper Stockpile area (Figure 2). Trucks were decontaminated prior to leaving the soil consolidation area with each load. Soil was stockpiled on top of 6 mil-poly sheeting and remained covered until removed from the site, as described in Section 4.3.

Post-excavation soil samples PE-1 to PE-5 and PE-6 to PE-11 were collected from the WL and LSA, respectively in accordance with the frequency outlined in DER-10 to ensure native soil remaining did not contain chromium in excess of 1,000 mg/kg. Samples were retained in laboratory provided containers, shipped via overnight delivery to a NYSDOH ELAP-approved laboratory for analysis of total chromium. Analytical results are summarized below in Section 4.4.5. Post-excavation sampling locations for the WL and LSA are shown in Figures 6 and 7, respectively. Post-excavation sample PE-10, located on the southern boundary of the excavated area in the LSA, contained chromium at a concentration of 1,500 mg/kg (Table 3A).

On July 26, 2010, an additional 50 cubic yards of soil was removed from the location of PE-10, indicated on Figure 8, and staged in the Upper Stockpile area, where previously excavated material was staged (see Upper Stockpile - Figure 2). Post-excavation soil sample, PE-10B, was collected at the location equivalent to PE-10 (Figure 8). Total chromium detected in sample PE-10B was 24.6 mg/kg; therefore, no additional soil was excavated from this area.

4.2.6 Excavation of Remaining Soil in Land Spreading Area

Beginning on July 13, 2010, the LSA was excavated in accordance with the approved Remedial Work Plan (Appendix C). Field personnel marked the boundaries of the LSA with a Trimble Geo-XH GPS and wooden stakes according to Figure 6C of the Remedial Work Plan.

PHASE I EXCAVATION:

The LSA was excavated to a depth of up to three (3) feet below grade, and 1,500 cubic yards of soil ($\text{Cr} < 1,000 \text{ mg/kg}$) was placed in the soil consolidation area, as illustrated in Figure 4. A post-excavation sampling grid was developed in a GIS-based platform at the frequency described in DER-10, and in accordance with standard operating procedures. GIS-based files were uploaded to a handheld GPS and were used by field personnel to navigate to each sampling location in the field. Post-excavation samples were collected at each location, PE-12 to PE-35 (Figure 9). Samples were retained in laboratory provided containers, shipped via overnight delivery to a NYSDOH ELAP-approved laboratory for analysis of VOCs, SVOCs, metals, PCBs, total cyanide and pesticides. Analytical results are summarized below in Section 4.4.5.

Results for post-excavation samples PE-12, PE-14, PE-15, PE-18, PE-19, PE-20, PE-21, PE-22,

PE-28 and PE-31 indicated one or more exceedances of 6 NYCRR Part 375 *Unrestricted Residential SCOs* (details below in Section 4.4.5).

PHASE II EXCAVATION:

On July 26, 2010, 600 cubic yards of soil was excavated from the LSA where post-excavation sample results exceeded 6 NYCRR Part 375 *Unrestricted Residential SCOs* (Figure 10). Soil in the vicinity of these samples was excavated to a depth of one foot below grade of the previous excavation and added to the soil consolidation area (Figure 4).

Following the additional excavation, post-excavation soil samples were collected from the locations described above; PE-12B, PE-14B, PE-15B, PE-18B, PE-19B, PE-20B, PE-21B, PE-22B, PE-28B and PE-31B (Figure 10). Samples were retained in laboratory provided containers, shipped via overnight delivery to a NYSDOH ELAP-approved laboratory for analysis of VOCs, SVOCs, metals, PCBs, total cyanide and pesticides. Results from only one sample, PE-12B indicated an exceedance of 6 NYCRR Part 375 *Unrestricted Residential SCOs* with 45.3 mg/kg chromium. PVE Sheffler contacted the NYSDEC and requested that no further soil be excavated from the LSA based on these sampling results. Communication with project manager R. Witcher (NYSDEC Division of Environmental Remediation) on December 9, 2010 confirmed that no further action was required in the LSA. This communication is included in Appendix E.

4.2.7 CAMP Results: Particulate Monitoring, Response Levels, and Actions

Particulate monitoring was performed during all excavation and soil consolidation activities using two TSI Dust-Trak real-time monitoring instruments in weather-resistant enclosures. The TSI Dust-Trak is capable of measuring particulate matter less than 10 micrometers in size (PM-10). Particulate monitoring was conducted at an up-wind and down-wind location at the perimeter of the exclusion zone. Data from the TSI Dust-Trak was periodically verified with hand-held PDR-1000 particulate monitoring instruments.

Institutional controls were employed to limit the generation of dust during site activities. Vehicle speeds were kept to a minimum and dust suppression was achieved with 2,000 gallon water truck with a high pressure spray nozzle. No readings exceeded the standards prescribed in the NYSDEC-approved CAMP. Data are summarized in the attached tables (Tables 1 and 2).

4.3 Contaminated Materials Removal – Offsite Disposal

4.3.1 Performance Criteria and Soil Cleanup Objectives (SCOs)

Remediation activities consisted of two goals:

- Excavate and stockpile soil with chromium concentrations in excess of 1,000 mg/kg and dispose of this material off site;
- Excavation of soil remaining in the LSA which exceeds *Unrestricted Residential SCOs* according to 6 NYCRR Part 375, and placement of same into Soil Consolidation Area.

4.3.2 Waste Characterization Sampling

Excavation activities conducted at the site resulted in the consolidation of two separate stockpiles of soil for offsite disposal. These stockpiles are referred to as the ‘Upper Stockpile’ and ‘Lower Stockpile’, and their locations are shown in Figure 2. Upon completion of excavation activities in the WL and LSA, a total of 150 cubic yards of soil with chromium concentrations greater than 1,000 mg/kg was placed in the Upper Stockpile (Figure 2).

Waste characterization samples were collected from the Upper and Lower Stockpiles in September 2010. Analyses conformed to the disposal facility requirements. Upper Stockpile samples contained trace amounts of PCBs (Aroclor 1254 at 0.661 mg/kg). Based on this data, soil from the Upper Stockpile could not be accepted by the originally intended facility, the City of Albany landfill.

4.3.3 Stockpiled Material Transportation and Offsite Disposal

Loading and transportation of the Lower Stockpile was completed on October 23 and 24, 2010; 169.03 tons of material was transported to the City of Albany landfill in Albany, New York. After removal of stockpiled soil, surface soil previously beneath the stockpile was excavated to approximately six inches below grade. Disposal receipts are included in Appendix F.

Disposal of soil from the Upper Stockpile was completed on November 24 and 29, 2010. A total of 470.58 tons of material was transported to Deep Green of New York in New Windsor, New York. After removal of stockpiled soil, surface soil previously beneath the stockpile was excavated to approximately six inches below grade. Disposal receipts are included in Appendix F.

4.4 Remedial Performance – Confirmatory Sampling Results

4.4.1 West Lagoon (WL) and Land Spreading Area (LSA) (>1,000 mg/kg Cr)

Following the excavation of soil in excess of 1,000 mg/kg chromium from the WL and LSA, post-excavation soil samples were collected from the bottom and sidewalls of the excavation.

4.4.2 Confirmatory Sampling in WL (>1,000 mg/kg Cr)

Post-excavation sample results from the WL (PE-1 through PE-5) where chromium concentrations were previously greater than 1,000 mg/kg are summarized in Table 3A. Analytical reports are appended (Appendix G). None of the post-excavation samples contained concentrations of chromium in excess of 1,000 mg/kg.

4.4.3 Confirmatory Sampling in LSA (>1,000 mg/kg Cr)

Post-excavation sample results from the LSA (PE-6 through PE-11) where chromium concentrations were previously greater than 1,000 mg/kg are summarized in Table 3A. Analytical reports are appended (Appendix G). One of the post-excavation samples, PE-10, contained concentrations of chromium in excess of 1,000 mg/kg:

PE-10: Chromium (1,500 mg/kg).

4.4.4 Excavation of Remaining LSA

After excavation and removal of soil from the LSA which contained chromium concentrations in excess of 1,000 mg/kg, the remaining LSA soil was excavated and placed in the Consolidation Area, as discussed in Section 4.7. Post-excavation soil samples were collected from the floor and sidewalls of the excavation.

4.4.5 Confirmatory Sampling after LSA Excavation: First Round (<1,000 mg/kg Cr)

Post-excavation sample results from the LSA where chromium concentrations were less than 1,000 mg/kg are summarized in Tables 4 through 8. Analytical reports are appended (Appendix G). Nine of the 24 post-excavation samples contained metals at concentrations exceeding 6 NYCRR Part 375 *Unrestricted Residential SCOs*. Three of the 24 post-excavation samples contained pesticides at concentrations exceeding 6 NYCRR Part 375 *Unrestricted Residential SCOs*. One of the 24 post-excavation samples contained PCBs at concentrations exceeding 6 NYCRR Part 375 *Unrestricted Residential SCOs*.

Metals

Nine of the 24 post-excavation soil samples contained metals at concentrations exceeding 6 NYCRR Part 375, *Unrestricted Residential SCOs* (Table 6).

<u>PE-12:</u>	Chromium (31.9 mg/kg); Nickel (31.4 mg/kg).
<u>PE-14:</u>	Chromium (47.7 mg/kg); Copper (52.9 mg/kg); Mercury (0.403 mg/kg); Nickel (32.9 mg/kg).
<u>PE-15:</u>	Chromium (33.1 mg/kg); Copper (53.9 mg/kg); Mercury (0.467 mg/kg); Nickel (112 mg/kg); Zinc (135 mg/kg).
<u>PE-18:</u>	Cadmium (2.87 mg/kg); Chromium (248 mg/kg); Copper (266 mg/kg); Lead (67.4 mg/kg); Mercury (0.204 mg/kg); Nickel (57.2 mg/kg); Silver (4.26 mg/kg); Zinc (278 mg/kg).
<u>PE-19:</u>	Chromium (37.9 mg/kg); Copper (69.4 mg/kg); Nickel (35.5 mg/kg); Zinc (223 mg/kg).
<u>PE-20:</u>	Copper (61.3 mg/kg); Mercury (0.188 mg/kg); Zinc (151 mg/kg).
<u>PE-21:</u>	Chromium (129 mg/kg); Copper (166 mg/kg); Mercury (0.872 mg/kg); Nickel (34.5 mg/kg); Silver (4.04 mg/kg); Zinc (171 mg/kg).
<u>PE-31:</u>	Chromium (35.2 mg/kg); Nickel (41.3 mg/kg).
<u>PE-35:</u>	Chromium (34.2 mg/kg); Nickel (40.7 mg/kg).

Pesticides

<u>PE-14:</u>	4,4'-DDD (6.60 mg/kg); 4,4'-DDT (6.03 mg/kg).
<u>PE-15:</u>	4,4'-DDD (8.97 mg/kg); 4,4'-DDE (4.30 mg/kg); 4,4'-DT (8.73 mg/kg); Dieldrin (6.06 mg/kg).
<u>PE-19:</u>	4,4'-DDT (4.76 mg/kg).

PCBs

<u>PE-28:</u>	Total PCBs (0.337 mg/kg).

4.4.6 Confirmatory Sampling after LSA Excavation: Second Round (<1,000 mg/kg Cr)

Post-excavation sample results from the LSA where soil remains with concentrations exceeding 6 NYCRR Part 375 *Unrestricted Residential SCOs* are summarized in Tables 9 to 13. Analytical reports are appended (Appendix G). Only one of the 9 post-excavation samples contained metals at concentrations exceeding 6 NYCRR Part 375 *Unrestricted Residential SCOs*.

<u>PE-12B:</u>	Chromium (45.3 mg/kg).

4.5 Imported Backfill

4.5.1 Clean Fill Characterization

Material for the clean fill soil cover was supplied from the Darrigo property, outside the limits of any previous disposal area operations in the southern portion of the property (Figures 2 and 11). The soil cover material was sampled according to the following sampling plan, as described in the approved Remedial Work Plan, and in accordance with DER-10.

Twenty sample locations (TP-1 to TP-20) were evenly distributed across the sampling area, as depicted in Figure 11. Test pits were excavated to depths of approximately three feet below grade to retrieve grab samples from discreet intervals of 0 to 1' and 1 to 2' depths. Grab samples were retained on ice and transported to PVE Sheffler offices. A sample for each depth interval and composite samples from various locations (as outlined in the 2009 Remedial Work Plan) were shipped via overnight delivery to a NYSDOH ELAP-approved laboratory for analysis of VOCs, SVOCs, 13 priority pollutant metals, PCBs and pesticides. Results are summarized in Tables 14 to 18. Analytical results are included in Appendix H.

Unrestricted Residential SCOs as described in 6 NYCRR Part 375-6.8(b) were used to define acceptance criteria for material to be used in the clean fill cap. Based on sample results, sample locations TP-1 through TP-5 were partitioned as indicated in Figure 11. Samples from locations TP-1 to TP-5 contained concentrations of pesticides above Part 375 Residential Cleanup Objectives and samples from locations TP-1 and TP-2 contained SVOCs and pesticides at concentration exceeding Part 375 *Unrestricted Residential SCOs*. The concentrations of pesticides detected only marginally exceed the applicable standard. Considering the long-term agricultural use of the subject property, it is reasonable to assume that these contaminants are the result of normal operating procedures, and not indicative of disposal activities.

A total of 8,625 cubic yards of clean fill cap material was excavated from the western part of the screened area (Figure 11) and transported with standard earth moving equipment to the Soil Consolidation Area where it was spread over the demarcation fabric with an average depth of 18 inches. To minimize decontamination procedures and potential damage to the demarcation fabric, clean fill material was spread outward from the consolidation area entrance. This technique allowed all trucks and equipment to remain on clean fill material during work in the consolidation area.

A total of 1,700 cubic yards of topsoil was placed on the clean fill material at an average depth of 6 inches across the Soil Consolidation Area.

4.6 Contaminants Remaining Onsite

Contaminants at concentrations exceeding 6 NYCRR Part 375 *Unrestricted Residential SCOs* on the Site are restricted to the Consolidation Area, depicted on Figure 4.

4.7 Soil Cover and Capping

4.7.1 Consolidation Area Construction

Exposure to remaining contaminated soil is prevented by a soil cover system placed over the soil excavated from the LSA (with chromium concentrations less than 1,000 mg/kg). This material was stockpiled on the EL and WL by CVI personnel using standard earth moving equipment. In accordance with Figure 6B of the approved Remedial Work Plan, contaminated soil was spread evenly across the area in a two foot lift. The area encompassing the entire WL and EL (Soil Cover/Consolidation Area) is approximately 101,250 ft², as shown in Figure 4. In order to provide a vertical demarcation, 117,000 ft² of permeable plastic fabric was placed on top of contaminated soils in the Consolidation Area. The fabric was subsequently covered with a two-foot soil cover, consisting of 18 inches of clean fill followed by 6 inches of topsoil. Dust suppression techniques were employed during the soil relocation process, including restricting truck traffic speeds and periodically wetting the ground surface.

Trucking of material from the LSA to the Consolidation Area was restricted to a haul road between the two portions of the site to prevent the spreading of contaminants beyond the limits of the proposed Consolidation Area. The access road was wetted periodically to minimize the generation of dust. Upon completion of excavation in the LSA, the haul road was excavated to a depth of two feet and placed in the Consolidation Area.

4.7.2 Site Restoration and Maintenance

Upon completion of excavation activities, the area was raked free of debris, and seeded with native grasses and vegetation. The perimeter of the fill area was flagged and the previous fence remains in place.

No other Engineering Controls are in effect at the Site.

5.0 SUMMARY OF INSTITUTIONAL CONTROLS

Following excavation and removal, some soil exceeding the *Unrestricted Residential SCOs* remains onsite. Engineering Controls (Soil Cover) have been incorporated into the site remedy

to prevent migration of remaining contaminants. A Deed Restriction and Access Agreement (providing access to the site by NYSDEC) will be recorded with the Orange County Clerk. This provides an enforceable legal instrument to ensure compliance with the SMP and all Engineering Controls (ECs) and Institutional Controls (ICs) placed on the site. The ICs place restrictions on site use, and mandate operation, maintenance, monitoring and reporting measures for all ECs and ICs. The SMP may only be revised with the approval of the NYSDEC.

5.1 Deed Restriction, Declaration of Covenants and Restrictions

The site remedy requires that a Deed Restriction be placed on the Deed Restricted Area, as defined in the attached Survey (Appendix A) to (1) implement, maintain and monitor the Engineering Controls (Soil Cover); (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Soil Consolidation Area (Restricted Area) to commercial uses only, as defined by 6 NYCRR Part 375, and restricts the area for future use.

The Deed Restriction for the site was executed by the Department on March 26, 2016, and filed with the Orange County Clerk on March 30, 2016. The County Recording Identifier for this filing is Book 14031, Page 1118. A copy of the deed restriction and proof of filing is provided in Appendix A.

5.2 Access Agreement

The portion of the property which comprises the Soil Consolidation Area subject to the Declaration of Covenants and Restrictions is land-locked with no access from a public road. NYSDEC shall have full and complete access to the lagoon consolidation area portion of the property as required by the SMP for however long such access is required by the Declaration of Covenants and Restrictions to ensure compliance with the SMP.

6.0 DEVIATIONS FROM REMEDIAL WORK PLAN

6.1 Remaining Soil Exceeding SCOs

Following the soil excavation efforts, post-excavation soil sample PE-12B contained chromium at a concentration exceeding *Unrestricted Residential SCOs* (45.3 mg/kg). The objective in the Remedial Work Plan was to excavate all soil with contaminants at concentrations exceeding *Unrestricted Residential SCOs*, and place this material into the Consolidation Area. This data and supporting documentation were submitted to NYSDEC on November 22, 2010. On December 9, 2010, NYSDEC agreed that no further soil excavation was needed in this area. (As confirmed by correspondence contained in Appendix E).

7.0 POST-CONSTRUCTION ACTIVITY

7.1 Groundwater Monitoring

Periodic groundwater monitoring for the Target Analyte List (TAL) of Metals will be conducted at six (6) monitoring well locations at the site (Figure 3) as summarized below. At the time of this report's submittal, baseline monitoring (November 2009), four rounds of quarterly monitoring (September 2010, December 2010, March 2011 and June 2011), one round of semi-annual monitoring (December 2011), and four rounds of annual monitoring (June 2012, May 2013, July 2014, and August 2015) have been completed. Prior to clarification from NYSDEC personnel in September 2011, samples were only analyzed for arsenic, barium, cadmium, chromium, copper, mercury, nickel, lead and zinc. After evaluation of the results and the recommendations from the 2013 groundwater sampling event, the SMP was modified to reduce the number of wells requiring sampling. Communication with project manager R. Witcher (NYSDEC Division of Environmental Remediation) on July 29, 2013 confirmed a reduction in the number of monitoring wells sampled annually from 6 to 3. Additional modification was made following the 2015 sampling event. This modification involved modifying the frequency of groundwater monitoring events, site inspections, and Periodic Review Report submissions from once annually to once every three years. These communications with NYSDEC are included in Appendix I and Appendix K. Results are summarized below in Section 7.1.3.

7.1.1 Scope for Periodic Groundwater Monitoring

- Initially, monitoring wells MW-3, MW-4, MW-5, MW-6, GWFT-1 and GWFT-2R were sampled during each groundwater monitoring event. After evaluation of the results and the recommendations from the 2013 groundwater sampling event, the wells requiring sampling was reduced to MW-4, MW-5, and MW-6. All wells are sampled following USEPA Low Flow (minimal drawdown) procedures.
- Prior to sample collection, static water levels are measured in each of the wells using a depth-to-water probe. Samples are collected using low-flow purge techniques. Water temperature, pH, conductivity, turbidity, oxidation-reduction potential, and dissolved oxygen are monitored during purging until all parameters have stabilized, and turbidity is less than 50 nephelometric turbidity units (NTUs). Samples are collected via a peristaltic pump and dedicated tubing, recorded on chain-of-custody forms, and shipped on ice via overnight delivery to a NYSDOH approved laboratory, for analysis.

The monitoring of stipulated wells was initiated in September 2010. As described in Section 7.1, the monitoring program was implemented in 2012.

- Semi-annual sampling was conducted during the second and fourth quarters of 2011.
- Annual sampling has been conducted during the second or third quarter of the year since 2012.
- After evaluation of the results and the recommendations from the 2015 groundwater sampling event, the monitoring frequency was reduced from once annually to once every three years.
- Monitoring will continue until groundwater standards are met, as per 6 NYCRR Part 700-705, Class GA groundwater standards.

7.1.2 Monitoring Well Replacement

In September 2010, PVE Sheffler completed the re-installation of monitoring well GWFT-2 (now currently GWFT-2R); this well had been damaged during remedial activities, as noted above (Figure 3). Monitoring well GWFT-2R was installed according to the depth and specifications of GWFT-2.

7.1.3 Groundwater Monitoring Results

The stipulated monitoring wells (MW-3, MW-4, MW-5, MW-6, GWFT-1 and GWFT-2R) have been sampled in accordance with the schedule and procedure outlined above. Any detections and/or exceedances of the metals deemed contaminants of concern (COC metals: Arsenic, Barium, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, and Zinc) during these events are detailed below and summarized in Table 19. Analytical reports are appended (Appendix J). Below is a summary of results:

November 2009 (Baseline Round)

No COC metals were detected at concentrations exceeding NYSDEC 6 NYCRR Part 700-705 *Class GA Groundwater Standards*. Arsenic and Barium were detected in MW-5, and Barium was detected in MW-6; however, no detections exceeded applicable standards. No other COC metals were detected at concentrations exceeding the laboratory detection limit in any of the stipulated wells. Applicable PQLs (Practical Quantification Limits) were met.

September 2010 (Quarterly Round)

One groundwater sample at MW-4 contained nickel at a concentration of 0.124 mg/L, which

exceeds NYSDEC 6 NYCRR Part 700-705 *Class GA Groundwater Standards*. Arsenic, Barium, and Copper were detected in GWFT-1, Barium was detected in GWFT-2R, MW-4, MW-5, and MW-6; however, no detections exceeded applicable standards. No other COC metals were detected at concentrations exceeding the laboratory detection limit in any of the stipulated wells. Applicable PQLs were met.

December 2010 (Quarterly Round)

No COC Metals were detected at concentrations exceeding NYSDEC 6 NYCRR Part 700-705 *Class GA Groundwater Standards*. Barium was detected in GWFT-2R, MW-5, and MW-6; however, no detections exceeded applicable standards. No other COC metals were detected at concentrations exceeding the laboratory detection limit in any of the stipulated wells. Applicable PQLs were met.

March 2011 (Quarterly Round)

No COC metals were detected at concentrations exceeding the laboratory detection limit in any of the stipulated wells. Applicable PQLs were met.

June 2011 (Quarterly Round)

No COC metals were detected at concentrations exceeding the laboratory detection limit in any of the stipulated wells. Applicable PQLs were met. Mercury was mistakenly omitted from the list of analytes, and is not reported for this period.

December 2011 (Semi-Annual Round)

No COC metals were detected at concentrations exceeding the laboratory detection limit in any of the stipulated wells. Applicable PQLs were met.

June 2012 (Annual Round)

No COC metals were detected at concentrations exceeding the laboratory detection limit in any of the stipulated wells. Applicable PQLs were met.

May 2013 (Annual Round)

No COC metals were detected at concentrations exceeding the laboratory detection limit in any of the stipulated wells. Applicable PQLs were met.

July 2014 (Annual Round)

No COC metals were detected at concentrations exceeding the laboratory detection limit in any of the stipulated wells. Applicable PQLs were met.

August 2015 (Annual Round)

No COC Metals were detected at concentrations exceeding NYSDEC 6 NYCRR Part 700-705 *Class GA Groundwater Standards*. Lead was detected in MW-4, and MW-6; however, no detections exceeded applicable standards. No other COC metals were detected at concentrations exceeding the laboratory detection limit in any of the stipulated wells. Applicable PQLs were met.

8.0 SUMMARY OF ON-GOING MAINTENANCE (Basis of Site Management Plan)

8.1 Summary of Site Management Plan (SMP)

The SMP will provide a detailed description of all procedures required including (1) implementation and management of all ECs and ICs; (2) media monitoring; (3) performance of periodic inspections, certification of results, and submittal of Periodic Review Reports; and (4) defining criteria for termination of treatment system operations.

Accordingly, the SMP will include two plans: (1) an Engineering and Institutional Control Plan for implementation and management of EC/ICs, which includes a reporting plan for the submittal of data, information, recommendations, and certifications to NYSDEC; (2) a Monitoring Plan for implementation of Site Monitoring.

8.2 Engineering and Institutional Controls Plan

Since contaminated soil remains beneath the clean soil cover and demarcation fabric in the Soil Consolidation Area, EC/ICs are required to protect human health and the environment. The Engineering and Institutional Control Plan describes the procedures for the implementation and management of all EC/ICs at the site. The EC/IC Plan is one component of the SMP and is subject to revision by NYSDEC. This plan provides:

- A description of all EC/ICs on the site;
- The basic implementation and intended role of each EC/IC;
- A description of the key components of the ICs set forth in the Deed Restriction;
- A description of the features to be evaluated during each required inspection and periodic review;
- A description of plans and procedures to be followed for implementation of EC/ICs, such as the implementation of the Excavation Work Plan for the proper handling of remaining contamination that may be disturbed during maintenance or redevelopment work on the site; and
- Any other provisions necessary to identify or establish methods for implementing the EC/ICs required by the site remedy, as determined by the NYSDEC.

8.3 Monitoring Plan

The Monitoring Plan describes the measures for evaluating the performance and effectiveness of

the remedy to reduce or mitigate contamination at the site, the soil cover system, and all affected site media identified below. This Monitoring Plan describes the methods to be used for:

- Sampling and analysis of all appropriate media (e.g., groundwater, indoor air, soil vapor, soils);
- Assessing compliance with applicable NYSDEC standards, criteria and guidance, particularly ambient groundwater standards and 6 NYCRR Part 375 SCO's for soil;
- Assessing achievement of the remedial performance criteria.
- Evaluating site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment; and
- Preparing the necessary reports for the various monitoring activities.

To adequately address these issues, this Monitoring Plan provides information on:

- Sampling locations, protocol, and frequency;
- Information on all designed monitoring systems (e.g., well logs);
- Analytical sampling program requirements;
- Reporting requirements;
- Quality Assurance/Quality Control (QA/QC) requirements;
- Inspection and maintenance requirements for monitoring wells;
- Monitoring well decommissioning procedures; and
- Annual inspection and periodic certification.

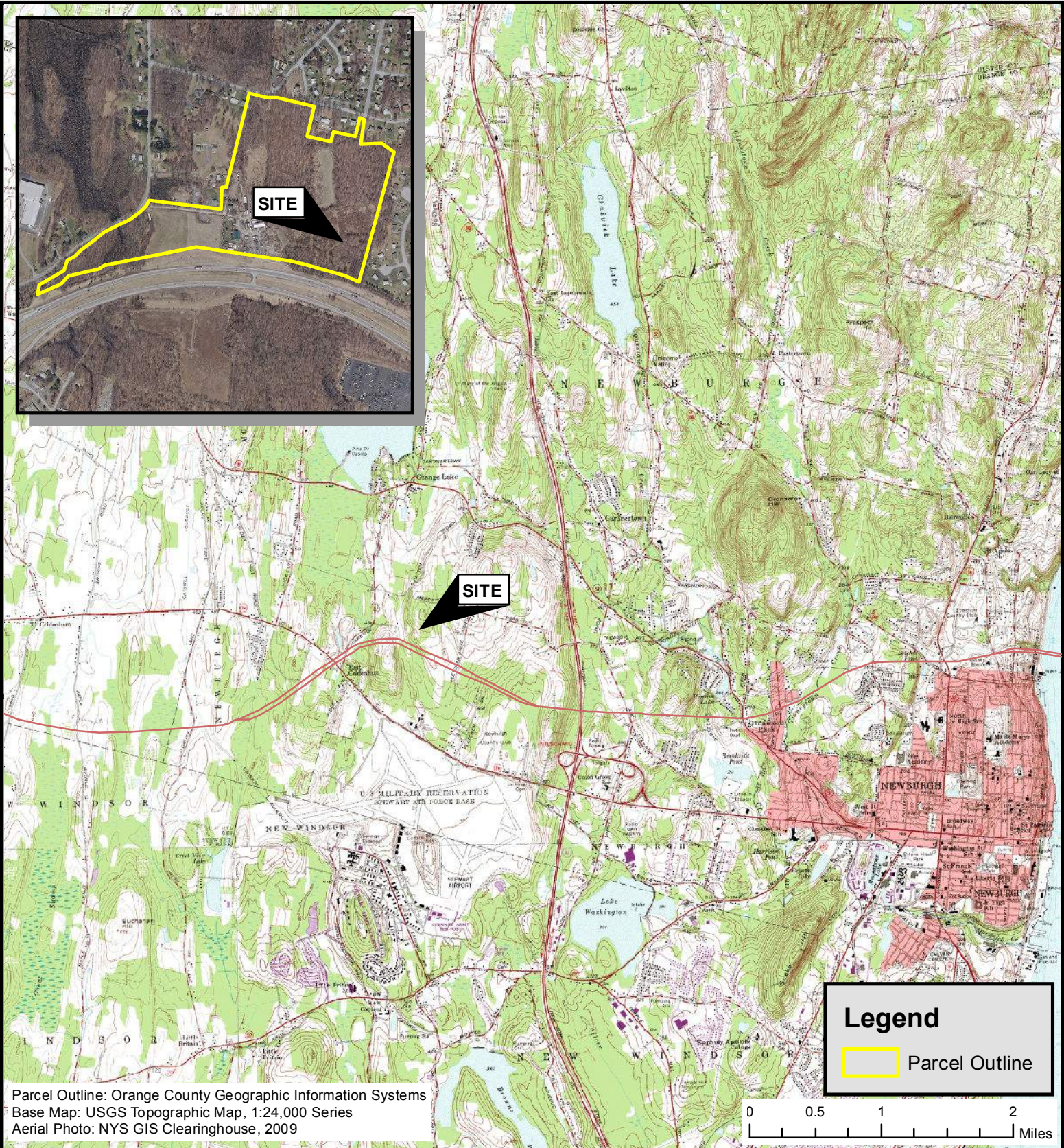
8.3.1 Site Inspections

Inspections of all remedial components installed at the site will be conducted at the frequency specified in the SMP Monitoring Plan schedule. The inspections will determine and document the following:

- Whether Engineering Controls continue to perform as designed;
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of the SMP and the Deed Restriction, Declaration of Covenants and Restrictions and Access Agreement;
- Achievement of remedial performance criteria;
- Sampling and analysis of appropriate media during monitoring events;
- If site records are complete and up to date; and
- Changes, or needed changes, to the remedial or monitoring system.

8.3.2 Groundwater Monitoring

Groundwater monitoring will be completed in accordance with the Remedial Work Plan and is summarized in Section 7.0. At the time of this report's submittal, baseline monitoring, four rounds of quarterly monitoring, one round of semi-annual monitoring, and four rounds of annual monitoring have been completed.



SITE LOCATION MAP

F & T DARRIGO SITE
 84 LAKESIDE ROAD

TOWN OF NEWBURGH, ORANGE COUNTY, NEW YORK



One Civic Center Plaza
 Suite 501
 Poughkeepsie, New York 12601
 Phone: (845) 454-2544
 Fax: (845) 454-2655

FIGURE 1

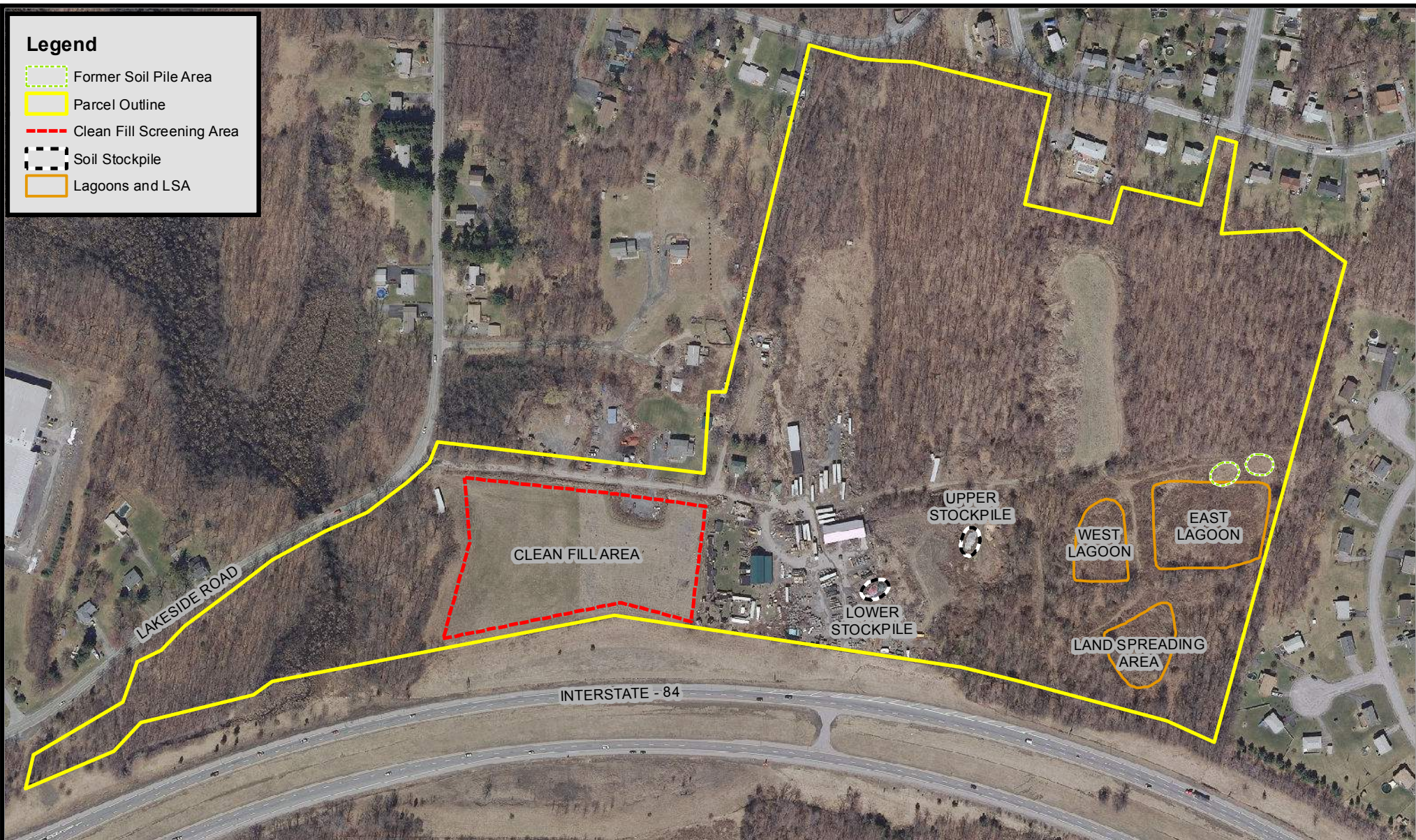


DATE:	01/13/2012
SCALE:	As Indicated
PROJECT NUMBER:	160556

ALL LOCATIONS APPROXIMATE

Legend

-  Former Soil Pile Area
-  Parcel Outline
-  Clean Fill Screening Area
-  Soil Stockpile
-  Lagoons and LSA



Parcel Outline: Orange County Geographic
Information Systems
Aerial Photo: NYS GIS Clearinghouse, 2009

SELECTED SITE FEATURES

F & T DARRIGO SITE
84 LAKESIDE ROAD
TOWN OF NEWBURGH, ORANGE COUNTY, NEW YORK



One Civic Center Plaza
Suite 501
Poughkeepsie, New York 12601
Phone: (845) 454-2544
Fax: (845) 454-2655

FIGURE 2



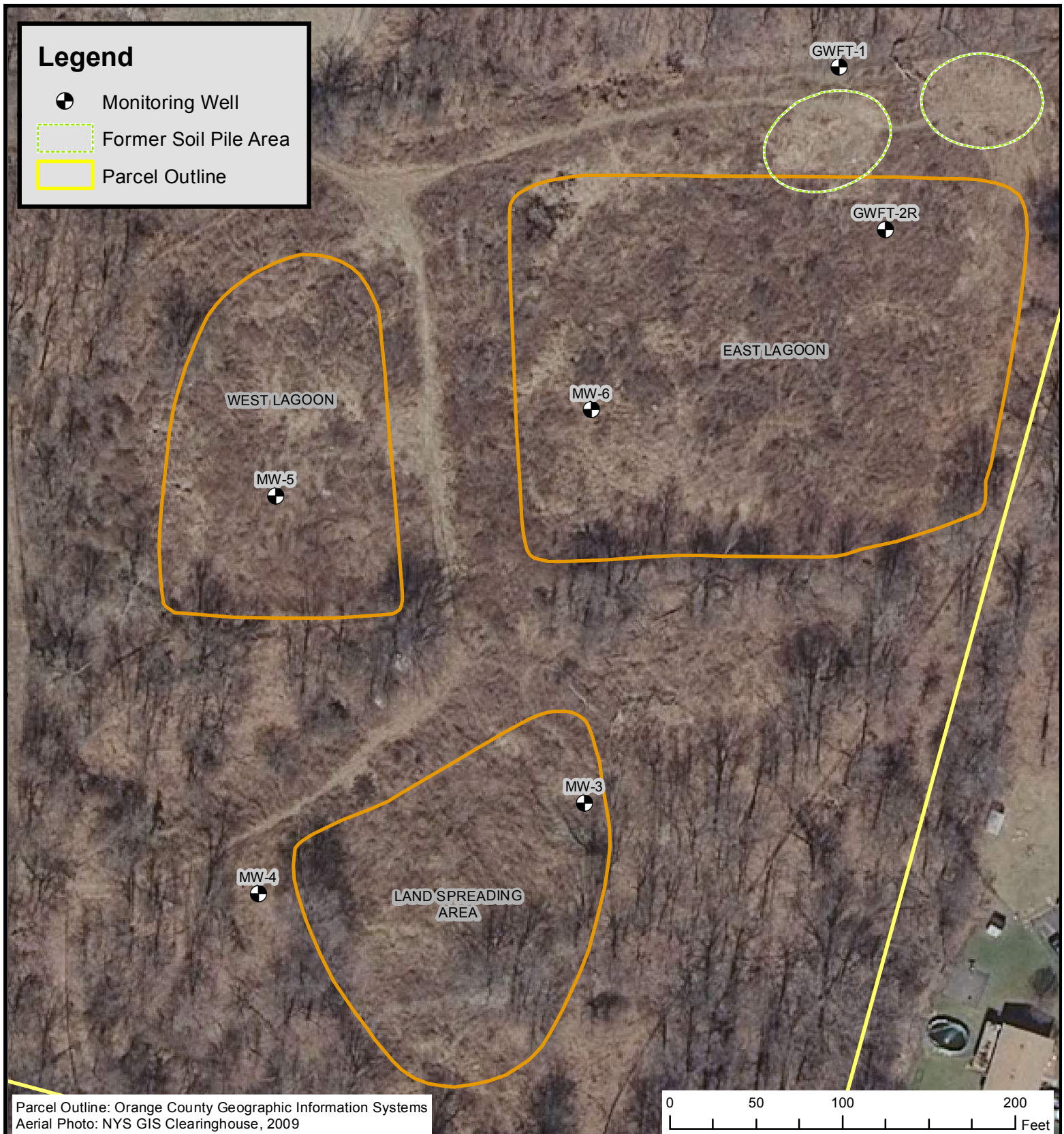
DATE:	01/13/2012
SCALE:	As Indicated
PROJECT NUMBER:	160556

ALL LOCATIONS APPROXIMATE

0 125 250 500
Feet

Legend

-  Monitoring Well
-  Former Soil Pile Area
-  Parcel Outline



SELECTED SITE FEATURES

F & T DARRIGO SITE
84 LAKESIDE ROAD
TOWN OF NEWBURGH, ORANGE COUNTY, NEW YORK



One Civic Center Plaza
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Poughkeepsie, New York 12601
Phone: (845) 454-2544
Fax: (845) 454-2655

FIGURE 3



DATE:	01/16/2012
SCALE:	As Indicated
PROJECT NUMBER:	160556

ALL LOCATIONS APPROXIMATE

Legend

-  Monitoring Well
-  Consolidation Area
-  Cover Area
-  Decon Pad



Aerial Photo: NYS GIS Clearinghouse, 2009

SOIL CONSOLIDATION AREA AND DECON PAD

F & T DARRIGO SITE
84 LAKESIDE ROAD

TOWN OF NEWBURGH, ORANGE COUNTY, NEW YORK



One Civic Center Plaza
Suite 501
Poughkeepsie, New York 12601
Phone: (845) 454-2544
Fax: (845) 454-2655

FIGURE 4



DATE: 01/16/2012

SCALE: As Indicated

PROJECT NUMBER: 160556

ALL LOCATIONS APPROXIMATE

Legend



Monitoring Well



Soil > 1,000 ppm Cr



Parcel Outline: Orange County Geographic Information Systems
Aerial Photo: NYS GIS Clearinghouse, 2009

AREAS WITH Cr CONCENTRATIONS >1,000 ppm

F & T DARRIGO SITE
84 LAKESIDE ROAD

TOWN OF NEWBURGH, ORANGE COUNTY, NEW YORK



One Civic Center Plaza
Suite 501
Poughkeepsie, New York 12601
Phone: (845) 454-2544
Fax: (845) 454-2655

FIGURE 5



DATE: 01/16/2012

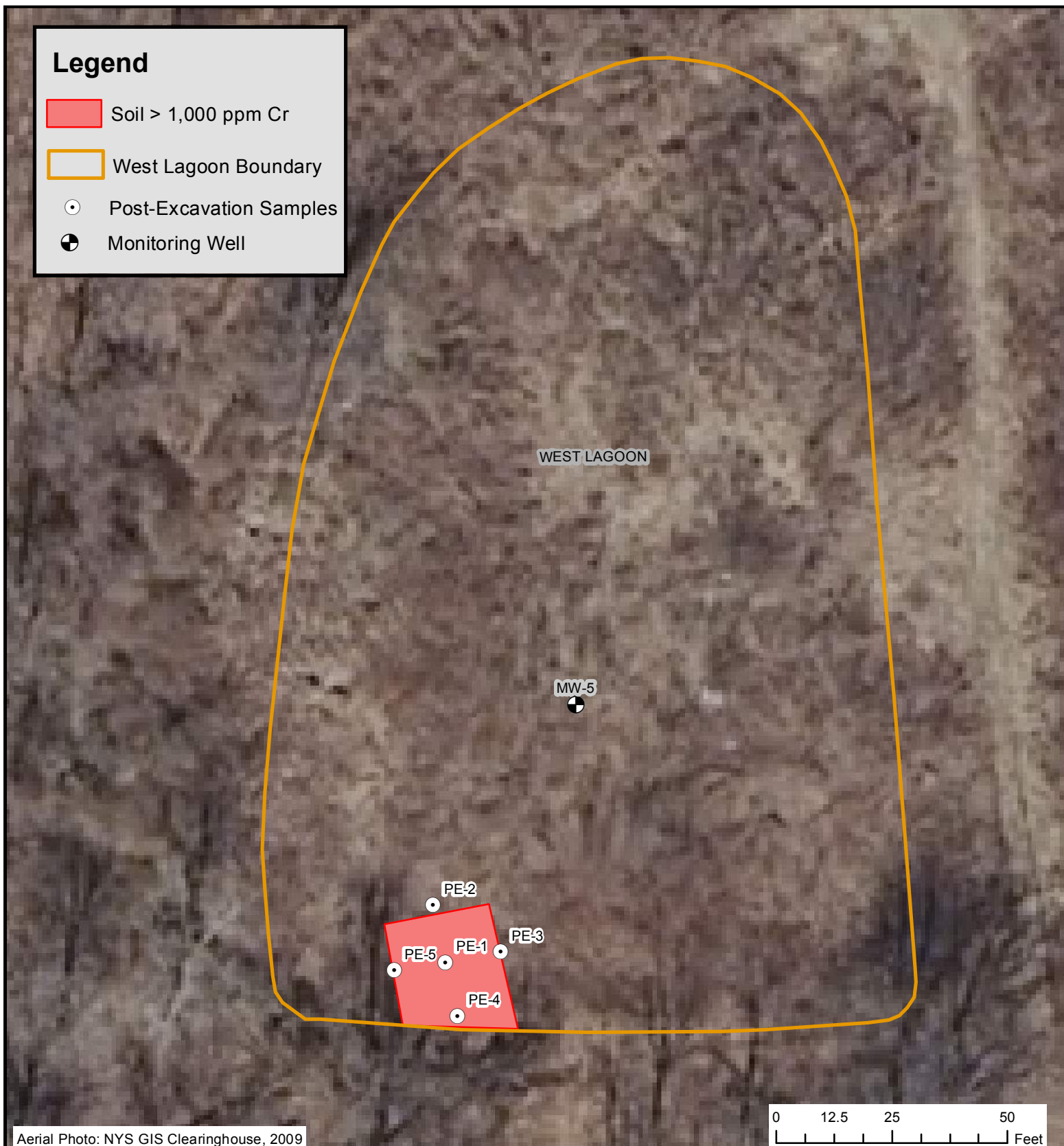
SCALE: As Indicated

PROJECT NUMBER: 160556

ALL LOCATIONS APPROXIMATE

Legend

- Soil > 1,000 ppm Cr
- West Lagoon Boundary
- Post-Excavation Samples
- Monitoring Well



Aerial Photo: NYS GIS Clearinghouse, 2009

POST-EXCAVATION SOIL SAMPLE LOCATIONS Cr >1,000 ppm - WEST LAGOON

F & T DARRIGO SITE - 84 LAKESIDE ROAD
TOWN OF NEWBURGH, ORANGE COUNTY, NEW YORK



One Civic Center Plaza
Suite 501
Poughkeepsie, New York 12601
Phone: (845) 454-2544
Fax: (845) 454-2655

FIGURE 6



DATE:	01/17/2012
SCALE:	As Indicated
PROJECT NUMBER:	160556

ALL LOCATIONS APPROXIMATE

Legend

- Soil > 1,000 ppm Cr
- LSA Boundary
- Post-Excavation Samples
- Monitoring Well

MW-4

MW-3

LAND SPREADING
AREA

PE-8

PE-6

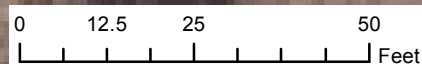
PE-9

PE-11

PE-7

PE-10/10B

Aerial Photo: NYS GIS Clearinghouse, 2009



POST-EXCAVATION SOIL SAMPLE LOCATIONS

Cr >1,000 ppm - LAND SPREADING AREA

*F & T DARRIGO SITE - 84 LAKESIDE ROAD
TOWN OF NEWBURGH, ORANGE COUNTY, NEW YORK*

FIGURE 7



DATE: 01/17/2012

SCALE: As Indicated

PROJECT
NUMBER: 160556

ALL LOCATIONS APPROXIMATE



One Civic Center Plaza
Suite 501
Poughkeepsie, New York 12601
Phone: (845) 454-2544
Fax: (845) 454-2655

Legend

- Soil > 1,000 ppm Cr
- LSA Boundary
- Additional Excavation
- Post-Excavation Samples
- Monitoring Well

MW-4

MW-3

LAND SPREADING
AREA

PE-8

PE-6

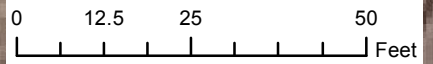
PE-9

PE-11

PE-7

PE-10/10B

Aerial Photo: NYS GIS Clearinghouse, 2009



ADDITIONAL EXCAVATION AND POST-EXCAVATION SOIL SAMPLE LOCATIONS Cr >1,000 ppm - LSA

*F & T DARRIGO SITE - 84 LAKESIDE ROAD
TOWN OF NEWBURGH, ORANGE COUNTY, NEW YORK*

FIGURE 8

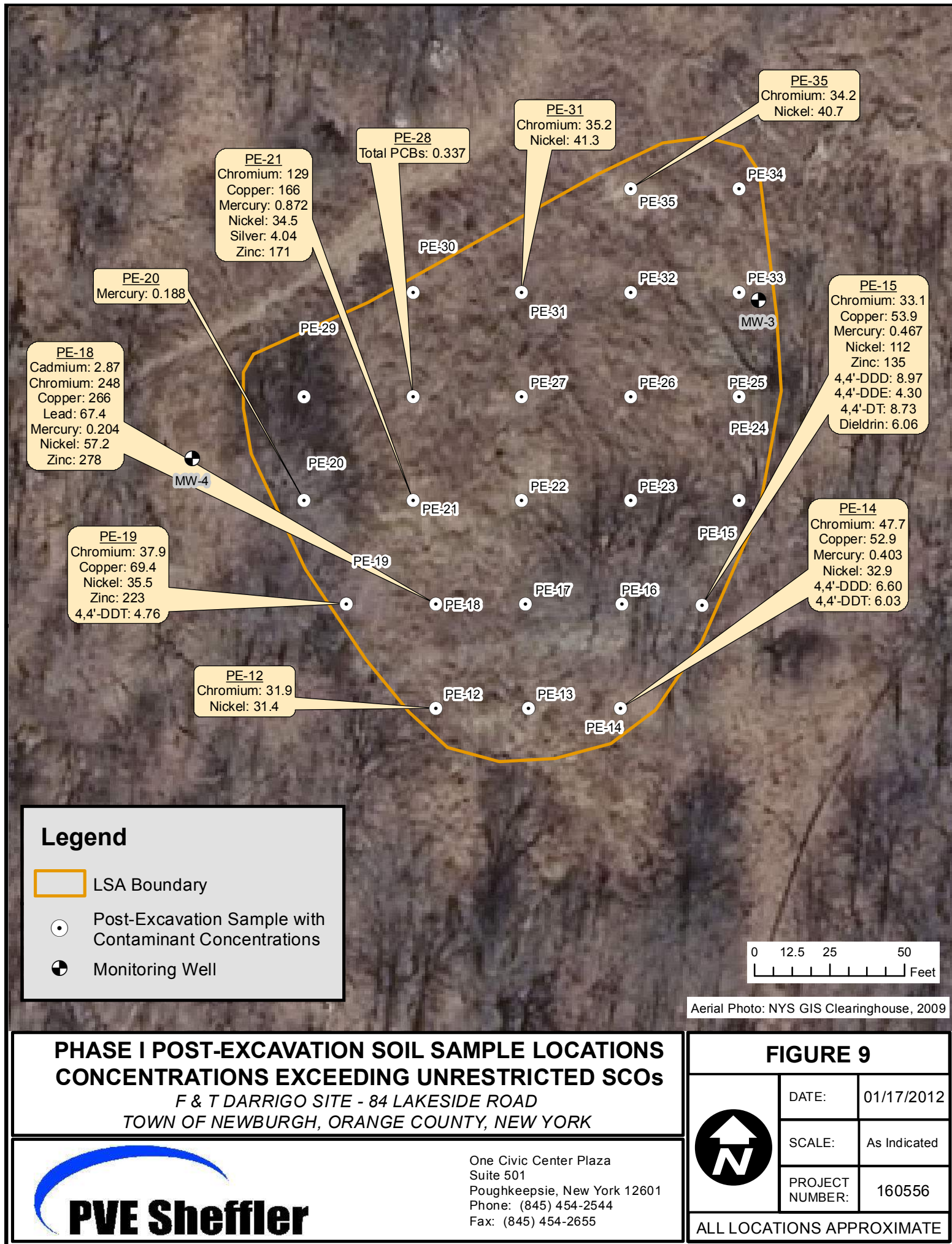


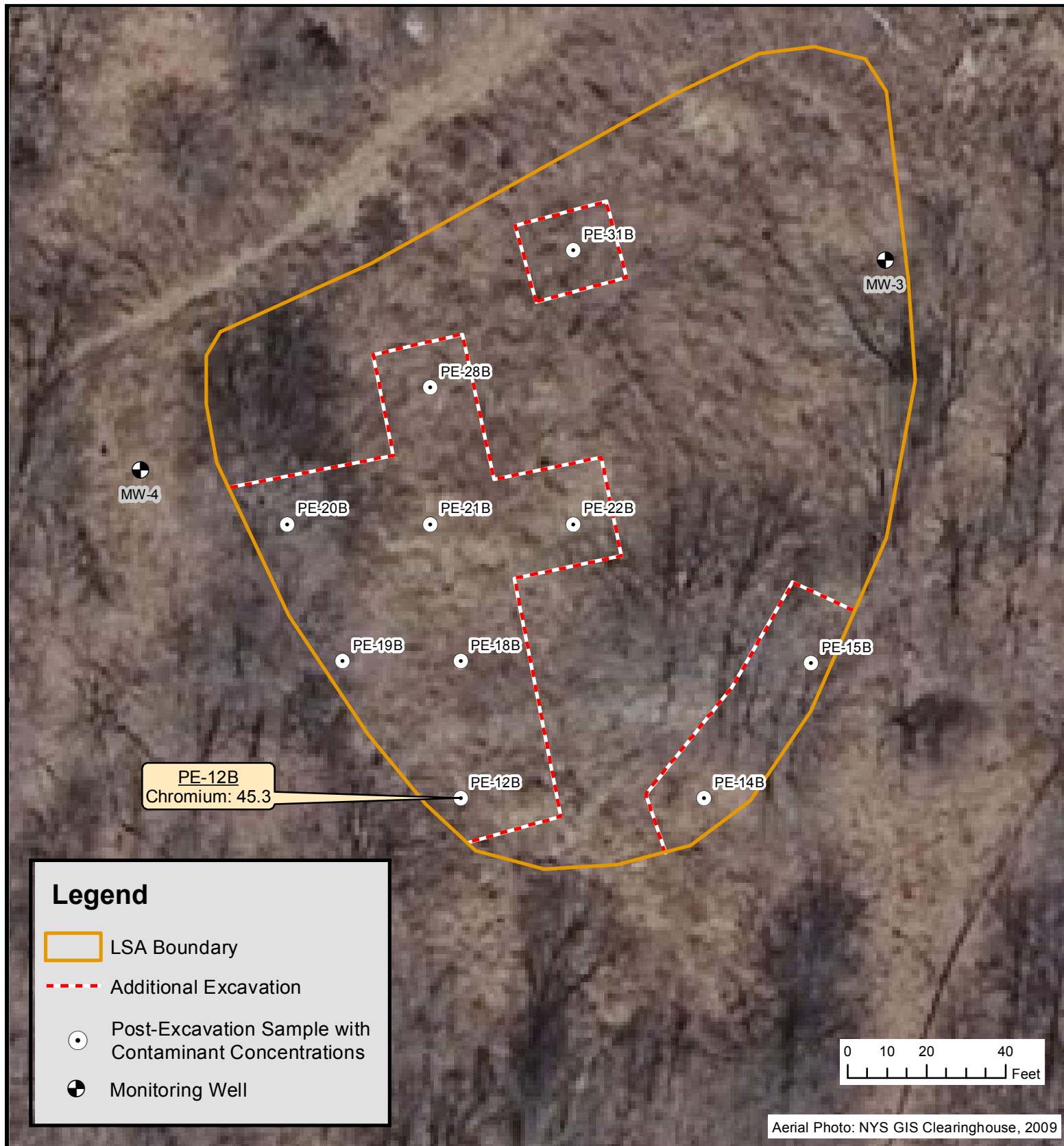
DATE:	01/17/2012
SCALE:	As Indicated
PROJECT NUMBER:	160556

ALL LOCATIONS APPROXIMATE



One Civic Center Plaza
Suite 501
Poughkeepsie, New York 12601
Phone: (845) 454-2544
Fax: (845) 454-2655





PHASE II POST-EXCAVATION SOIL SAMPLE LOCATIONS CONCENTRATIONS EXCEEDING UNRESTRICTED SCOs

*F & T DARRIGO SITE - 84 LAKESIDE ROAD
TOWN OF NEWBURGH, ORANGE COUNTY, NEW YORK*



One Civic Center Plaza
Suite 501
Poughkeepsie, New York 12601
Phone: (845) 454-2544
Fax: (845) 454-2655

FIGURE 10



DATE:	01/17/2012
SCALE:	As Indicated
PROJECT NUMBER:	160556

ALL LOCATIONS APPROXIMATE



Legend

- Test Pit Sample Locations
- - - Clean Fill Divide
- ▭ Parcel Outline

Parcel Outline: Orange County Geographic
Information Systems
Aerial Photo: NYS GIS Clearinghouse, 2009

CLEAN FILL CHARACTERIZATION LOCATIONS

F & T DARRIGO SITE

84 LAKESIDE ROAD

TOWN OF NEWBURGH, ORANGE COUNTY, NEW YORK



One Civic Center Plaza
Suite 501
Poughkeepsie, New York 12601
Phone: (845) 454-2544
Fax: (845) 454-2655

FIGURE 11



DATE: 01/17/2012

SCALE: As Indicated

PROJECT
NUMBER: 160556

ALL LOCATIONS APPROXIMATE

0 25 50 100
Feet

Table 1.

DustTrak Summary for CAMP - Upwind FN050130

Instrument [S/N]	Test#	Date	Start Time	Duration dd:hh:mm:ss	Average	Units	Channel	Maximum	Minimum
Dust Trak 22693	002	07/14/2010	09:08:28	00:06:15:00	0.029	mg/m ³	Aerosol	0.046	0.019
Dust Trak 22693	003	07/15/2010	07:47:24	00:08:45:00	0.032	mg/m ³	Aerosol	0.051	0.023
Dust Trak 22693	004	07/16/2010	07:33:02	00:03:15:00	0.081	mg/m ³	Aerosol	0.109	0.071
Dust Trak 22693	005	07/16/2010	10:54:25	00:03:30:00	0.075	mg/m ³	Aerosol	0.094	0.066
Dust Trak 22693	006	07/19/2010	07:34:28	00:07:45:00	0.031	mg/m ³	Aerosol	0.054	0.012
Dust Trak 22693	007	07/20/2010	07:58:36	00:01:45:00	0.038	mg/m ³	Aerosol	0.059	0.029
Dust Trak 22693	008	07/20/2010	09:48:16	00:05:45:00	0.033	mg/m ³	Aerosol	0.039	0.022
Dust Trak 22693	009	07/21/2010	08:09:19	00:07:15:00	0.043	mg/m ³	Aerosol	0.061	0.027
Dust Trak 22693	010	07/22/2010	07:53:12	00:07:30:00	0.013	mg/m ³	Aerosol	0.043	0.009
Dust Trak 22693	011	07/23/2010	07:51:39	00:05:00:00	-0.004	mg/m ³	Aerosol	0.000	-0.005
Dust Trak 22693	012	07/26/2010	08:55:12	00:06:15:00	0.008	mg/m ³	Aerosol	0.023	0.002
Dust Trak 22693	013	07/27/2010	07:46:41	00:07:30:00	0.027	mg/m ³	Aerosol	0.080	0.012
Dust Trak 22693	014	07/28/2010	08:15:15	00:07:00:00	0.042	mg/m ³	Aerosol	0.113	0.026
Dust Trak 22693	001	07/13/2010	10:34:03	00:04:15:00	0.020	mg/m ³	Aerosol	0.030	0.016

Table 2.

DustTrak Summary for CAMP - Downwind FN050130

Instrument [S/N]	Test#	Date	Start Time	Duration dd:hh:mm:ss	Average	Units	Channel	Maximum	Minimum
Dust Trak 85202283	002	07/15/2010	07:53:14	00:08:30:00	0.033	mg/m ³	Aerosol	0.077	0.021
Dust Trak 85202283	003	07/16/2010	07:36:51	00:06:45:00	0.065	mg/m ³	Aerosol	0.085	0.058
Dust Trak 85202283	004	07/20/2010	07:48:33	00:02:00:00	0.046	mg/m ³	Aerosol	0.068	0.036
Dust Trak 85202283	005	07/20/2010	09:55:38	00:05:30:00	0.037	mg/m ³	Aerosol	0.069	0.024
Dust Trak 85202283	006	07/21/2010	08:12:41	00:07:00:00	0.050	mg/m ³	Aerosol	0.087	0.028
Dust Trak 85202283	007	07/22/2010	07:47:41	00:07:45:00	0.030	mg/m ³	Aerosol	0.065	0.016
Dust Trak 85202283	008	07/23/2010	07:56:27	00:05:00:00	0.025	mg/m ³	Aerosol	0.034	0.020
Dust Trak 85202283	009	07/26/2010	08:37:06	00:06:15:00	0.019	mg/m ³	Aerosol	0.059	0.013
Dust Trak 85202283	010	07/27/2010	07:53:38	00:07:15:00	0.027	mg/m ³	Aerosol	0.033	0.021
Dust Trak 85202283	011	07/28/2010	08:19:33	00:06:45:00	0.046	mg/m ³	Aerosol	0.063	0.037
Dust Trak 85202283	001	07/13/2010	10:16:38	00:05:00:00	0.024	mg/m ³	Aerosol	0.030	0.000

Table 3A. **Total Chromium in Post-Excavation Soil Samples;** USEPA Method 6010, 7471, and 7196A MOD; collected **July 15, 2010**; 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	PE-1	PE-2	PE-3	PE-4	PE-5	PE-6	PE-7	PE-8
Inorganic Parameters									
Chromium	30	22.7	42.1	31.2	17.4	46.4	136	83.4	308

Table 3A Cont'd.

Chemical Constituent	NYSDEC Limit ¹	PE-9	PE-10	PE-11
Inorganic Parameters				
Chromium	30	83.7	1,500	701

Notes:

1 – Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in mg/kg unless otherwise indicated;

NE = No standard established;

ND = analyzed for but not detected, detection limit listed;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC *Unrestricted Use* Limit.

Table 3B. **Total Chromium in Post-Excavation Soil Samples;** USEPA Method 6010, 7471, and 7196A MOD; collected **July 26, 2010**; 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	PE-10B
Inorganic Parameters		
Chromium	30	24.6

Notes:

1 – Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in mg/kg unless otherwise indicated;

NE = No standard established;

ND = analyzed for but not detected, detection limit listed;

Table 4.

Volatile Organic Compounds (VOCs) in Post-Excavation Soil Samples; USEPA
 Method 8260; collected **July 15, 2010**; 67 South Plank Road, Newburgh, New York;
 File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-12	PE-13	PE-14	PE-15	PE-16	PE-17	PE-18	PE-19
Volatile Organic Compounds									
Bromodichloromethane	100,000	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
Bromomethane	100,000	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
Bromoform	100,000	ND<19.7	ND<20.9	ND<19.2	ND<26.0	ND<16.5	ND<16.6	ND<21.4	ND<24.1
Carbon tetrachloride	760	ND<19.7	ND<20.9	ND<19.2	ND<26.0	ND<16.5	ND<16.6	ND<21.4	ND<24.1
Chloroethane	100,000	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
Chloromethane	100,000	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
2-Chloroethyl vinyl ether	100,000	ND<39.4	ND<41.8	ND<38.4	ND<52.1	ND<32.9	ND<33.2	ND<42.8	ND<48.2
Chloroform	370	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
Dibromochloromethane	100,000	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
1,1-Dichloroethane	270	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
1,2-Dichloroethane	20	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
1,1-Dichloroethene	330	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
cis-1, 2-Dichloroethene	250	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
trans-1,2-Dichloroethene	190	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
1,2-Dichloropropane	100,000	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
cis-1,3-Dichloropropene	100,000	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
trans-1,3-Dichloropropene	100,000	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
Methylene chloride	50	ND<19.7	ND<20.9	ND<19.2	ND<26.0	ND<16.5	ND<16.6	ND<21.4	ND<24.1
1,1,2,2-Tetrachloroethane	100,000	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
Tetrachloroethene	1,300	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
1,1,1-Trichloroethane	680	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
1,1,2-Trichloroethane	100,000	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
Trichloroethene	470	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
Trichlorofluormethane	100,000	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
Vinyl Chloride	20	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit;

ND = Not detected, detection limit listed;

NE = No standard established.

Table 4 Cont'd.

Volatile Organic Compounds (VOCs) in Post-Excavation Soil Samples;
 USEPA Method 8260; collected **July 15, 2010**; 67 South Plank Road,
 Newburgh, New York;
 File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-12	PE-13	PE-14	PE-15	PE-16	PE-17	PE-18	PE-19
Volatile Organic Compounds									
Benzene	60	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
Chlorobenzene	1,100	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
Ethylbenzene	1,000	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
Toluene	700	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
m/p-Xylene	260	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
o-Xylene	260	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
Styrene	100,000	ND<19.7	ND<20.9	ND<19.2	ND<26.0	ND<16.5	ND<16.6	ND<21.4	ND<24.1
1,2-Dichlorobenzene	1,100	ND<19.7	ND<20.9	ND<19.2	ND<26.0	ND<16.5	ND<16.6	ND<21.4	ND<24.1
1,3-Dichlorobenzene	2,400	ND<19.7	ND<20.9	ND<19.2	ND<26.0	ND<16.5	ND<16.6	ND<21.4	ND<24.1
1,4-Dichlorobenzene	1,800	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
Acetone	50	ND<39.4	ND<41.8	ND<38.4	ND<52.1	ND<32.9	ND<33.2	ND<42.8	ND<48.2
2-Butanone	120	ND<39.4	ND<41.8	ND<38.4	ND<52.1	ND<32.9	ND<33.2	ND<42.8	ND<48.2
2-Hexanone	100,000	ND<19.7	ND<20.9	ND<19.2	ND<26.0	ND<16.5	ND<16.6	ND<21.4	ND<24.1
4-Methyl-2-pentanone	100,000	ND<19.7	ND<20.9	ND<19.2	ND<26.0	ND<16.5	ND<16.6	ND<21.4	ND<24.1
Carbon disulfide	100,000	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
Vinyl acetate	100,000	ND<19.7	ND<20.9	ND<19.2	ND<26.0	ND<16.5	ND<16.6	ND<21.4	ND<24.1
n-Butylbenzene	12,000	ND<39.4	ND<41.8	ND<38.4	ND<52.1	ND<32.9	ND<33.2	ND<42.8	ND<48.2
sec-Butylbenzene	11,000	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
tert-Butylbenzene	5,900	ND<19.7	ND<20.9	ND<19.2	ND<26.0	ND<16.5	ND<16.6	ND<21.4	ND<24.1
n-propylbenzene	3,900	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
Isopropylbenzene	100,000	ND<39.4	ND<41.8	ND<38.4	ND<52.1	ND<32.9	ND<33.2	ND<42.8	ND<48.2
p-Isopropyltoluene	100,000	ND<39.4	ND<41.8	ND<38.4	ND<52.1	ND<32.9	ND<33.2	ND<42.8	ND<48.2
Naphthalene	100,000	ND<19.7	ND<20.9	ND<19.2	ND<26.0	ND<16.5	ND<16.6	ND<21.4	ND<24.1
1,2,4-Trimethylbenzene	3,600	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
1,3,5-Trimethylbenzene	8,400	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63
Methyl tert-butyl ether	930	ND<7.89	ND<8.35	ND<7.68	ND<10.4	ND<6.58	ND<6.64	ND<8.56	ND<9.63

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit;

ND = Not detected, detection limit listed;

NE = No standard established.

Table 4 Cont'd. **Volatile Organic Compounds (VOCs) in Post-Excavation Soil Samples; USEPA Method 8260; collected July 15, 2010; 67 South Plank Road, Newburgh, New York; File #160556**

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-20	PE-21	PE-22	PE-23	PE-24	PE-25	PE-26	PE-27
Volatile Organic Compounds									
Bromodichloromethane	100,000	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
Bromomethane	100,000	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
Bromoform	100,000	ND<20.2	ND<28.0	ND<22.6	ND<18.7	ND<23.2	ND<22.5	ND<20.0	ND<20.9
Carbon tetrachloride	760	ND<20.2	ND<28.0	ND<22.6	ND<18.7	ND<23.2	ND<22.5	ND<20.0	ND<20.9
Chloroethane	100,000	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
Chloromethane	100,000	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
2-Chloroethyl vinyl ether	100,000	ND<40.4	ND<56.0	ND<45.3	ND<37.3	ND<46.4	ND<45.0	ND<40.0	ND<41.8
Chloroform	370	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
Dibromochloromethane	100,000	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
1,1-Dichloroethane	270	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
1,2-Dichloroethane	20	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
1,1-Dichloroethene	330	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
cis-1, 2-Dichloroethene	250	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
trans-1,2-Dichloroethene	190	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
1,2-Dichloropropane	100,000	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
cis-1,3-Dichloropropene	100,000	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
trans-1,3-Dichloropropene	100,000	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
Methylene chloride	50	ND<20.2	ND<28.0	ND<22.6	ND<18.7	ND<23.2	ND<22.5	ND<20.0	ND<20.9
1,1,2,2-Tetrachloroethane	100,000	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
Tetrachloroethene	1,300	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	12.0	ND<8.36
1,1,1-Trichloroethane	680	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
1,1,2-Trichloroethane	100,000	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
Trichloroethene	470	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
Trichlorofluormethane	100,000	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
Vinyl Chloride	20	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36

Notes:
1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;
All concentrations are in ug/kg unless otherwise indicated;
Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit;
ND = Not detected, detection limit listed;
NE = No standard established.

Table 4 Cont'd.

Volatile Organic Compounds (VOCs) in Post-Excavation Soil Samples;
 USEPA Method 8260; collected **July 15, 2010**; 67 South Plank Road,
 Newburgh, New York;
 File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-20	PE-21	PE-22	PE-23	PE-24	PE-25	PE-26	PE-27
Volatile Organic Compounds									
Benzene	60	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
Chlorobenzene	1,100	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
Ethylbenzene	1,000	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
Toluene	700	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
m/p-Xylene	260	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
o-Xylene	260	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
Styrene	100,000	ND<20.2	ND<28.0	ND<22.6	ND<18.7	ND<23.2	ND<22.5	ND<20.0	ND<20.9
1,2-Dichlorobenzene	1,100	ND<20.2	ND<28.0	ND<22.6	ND<18.7	ND<23.2	ND<22.5	ND<20.0	ND<20.9
1,3-Dichlorobenzene	2,400	ND<20.2	ND<28.0	ND<22.6	ND<18.7	ND<23.2	ND<22.5	ND<20.0	ND<20.9
1,4-Dichlorobenzene	1,800	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
Acetone	50	ND<40.4	ND<56.0	ND<45.3	ND<37.3	ND<46.4	ND<45.0	ND<40.0	ND<41.8
2-Butanone	120	ND<40.4	ND<56.0	ND<45.3	ND<37.3	ND<46.4	ND<45.0	ND<40.0	ND<41.8
2-Hexanone	100,000	ND<20.2	ND<28.0	ND<22.6	ND<18.7	ND<23.2	ND<22.5	ND<20.0	ND<20.9
4-Methyl-2-pentanone	100,000	ND<20.2	ND<28.0	ND<22.6	ND<18.7	ND<23.2	ND<22.5	ND<20.0	ND<20.9
Carbon disulfide	100,000	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
Vinyl acetate	100,000	ND<20.2	ND<28.0	ND<22.6	ND<18.7	ND<23.2	ND<22.5	ND<20.0	ND<20.9
n-Butylbenzene	12,000	ND<40.4	ND<56.0	ND<45.3	ND<37.3	ND<46.4	ND<45.0	ND<40.0	ND<41.8
sec-Butylbenzene	11,000	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
tert-Butylbenzene	5,900	ND<20.2	ND<28.0	ND<22.6	ND<18.7	ND<23.2	ND<22.5	ND<20.0	ND<20.9
n-propylbenzene	3,900	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
Isopropylbenzene	100,000	ND<40.4	ND<56.0	ND<45.3	ND<37.3	ND<46.4	ND<45.0	ND<40.0	ND<41.8
p-Isopropyltoluene	100,000	ND<40.4	ND<56.0	ND<45.3	ND<37.3	ND<46.4	ND<45.0	ND<40.0	ND<41.8
Naphthalene	100,000	ND<20.2	ND<28.0	ND<22.6	ND<18.7	ND<23.2	ND<22.5	ND<20.0	ND<20.9
1,2,4-Trimethylbenzene	3,600	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
1,3,5-Trimethylbenzene	8,400	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36
Methyl tert-butyl ether	930	ND<8.08	ND<11.2	ND<9.06	ND<7.47	ND<9.28	ND<9.01	ND<7.99	ND<8.36

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit;

ND = Not detected, detection limit listed;

NE = No standard established.

Table 4 Cont'd. **Volatile Organic Compounds (VOCs) in Post-Excavation Soil Samples; USEPA**
Method 8260; collected **July 15, 2010**; 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-28	PE-29	PE-30	PE-31	PE-32	PE-33	PE-34	PE-35
Volatile Organic Compounds									
Bromodichloromethane	100,000	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
Bromomethane	100,000	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
Bromoform	100,000	ND<19.6	ND<19.1	ND<18.0	ND<24.3	ND<18.3	ND<18.8	ND<16.8	ND<15.9
Carbon tetrachloride	760	ND<19.6	ND<19.1	ND<18.0	ND<24.3	ND<18.3	ND<18.8	ND<16.8	ND<15.9
Chloroethane	100,000	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
Chloromethane	100,000	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
2-Chloroethyl vinyl ether	100,000	ND<39.2	ND<38.2	ND<36.1	ND<48.7	ND<36.6	ND<37.6	ND<33.7	ND<31.9
Chloroform	370	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
Dibromochloromethane	100,000	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
1,1-Dichloroethane	270	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
1,2-Dichloroethane	20	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
1,1-Dichloroethene	330	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
cis-1, 2-Dichloroethene	250	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
trans-1,2-Dichloroethene	190	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
1,2-Dichloropropane	100,000	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
cis-1,3-Dichloropropene	100,000	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
trans-1,3-Dichloropropene	100,000	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
Methylene chloride	50	ND<19.6	ND<19.1	ND<18.0	ND<24.3	ND<18.3	ND<18.8	ND<16.8	ND<15.9
1,1,2,2-Tetrachloroethane	100,000	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
Tetrachloroethene	1,300	ND<7.83	8.70	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	12.1
1,1,1-Trichloroethane	680	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
1,1,2-Trichloroethane	100,000	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
Trichloroethene	470	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
Trichlorofluormethane	100,000	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
Vinyl Chloride	20	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37

Notes:
1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;
All concentrations are in ug/kg unless otherwise indicated;
Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit;
ND = Not detected, detection limit listed;
NE = No standard established.

Table 4 Cont'd.

Volatile Organic Compounds (VOCs) in Post-Excavation Soil Samples;
 USEPA Method 8260; collected **July 15, 2010**; 67 South Plank Road,
 Newburgh, New York;
 File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-28	PE-29	PE-30	PE-31	PE-32	PE-33	PE-34	PE-35
Volatile Organic Compounds									
Benzene	60	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
Chlorobenzene	1,100	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
Ethylbenzene	1,000	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
Toluene	700	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
m/p-Xylene	260	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
o-Xylene	260	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
Styrene	100,000	ND<19.6	ND<19.1	ND<18.0	ND<24.3	ND<18.3	ND<18.8	ND<16.8	ND<15.9
1,2-Dichlorobenzene	1,100	ND<19.6	ND<19.1	ND<18.0	ND<24.3	ND<18.3	ND<18.8	ND<16.8	ND<15.9
1,3-Dichlorobenzene	2,400	ND<19.6	ND<19.1	ND<18.0	ND<24.3	ND<18.3	ND<18.8	ND<16.8	ND<15.9
1,4-Dichlorobenzene	1,800	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
Acetone	50	ND<39.2	ND<38.2	ND<36.1	ND<48.7	ND<36.6	ND<37.6	ND<33.7	ND<31.9
2-Butanone	120	ND<39.2	ND<38.2	ND<36.1	ND<48.7	ND<36.6	ND<37.6	ND<33.7	ND<31.9
2-Hexanone	100,000	ND<19.6	ND<19.1	ND<18.0	ND<24.3	ND<18.3	ND<18.8	ND<16.8	ND<15.9
4-Methyl-2-pentanone	100,000	ND<19.6	ND19.1	ND<18.0	ND<24.3	ND<18.3	ND<18.8	ND<16.8	ND<15.9
Carbon disulfide	100,000	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
Vinyl acetate	100,000	ND<19.6	ND<19.1	ND<18.0	ND<24.3	ND<18.3	ND<18.8	ND<16.8	ND<15.9
n-Butylbenzene	12,000	ND<39.2	ND<38.2	ND<36.1	ND<48.7	ND<36.6	ND<37.6	ND<33.7	ND<31.9
sec-Butylbenzene	11,000	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
tert-Butylbenzene	5,900	ND<19.6	ND<19.1	ND<18.0	ND<24.3	ND<18.3	ND<18.8	ND<16.8	ND<15.9
n-propylbenzene	3,900	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
Isopropylbenzene	100,000	ND<39.2	ND<38.2	ND<36.1	ND<48.7	ND<36.6	ND<37.6	ND<33.7	ND<31.9
p-Isopropyltoluene	100,000	ND<39.2	ND<38.2	ND<36.1	ND<48.7	ND<36.6	ND<37.6	ND<33.7	ND<31.9
Naphthalene	100,000	ND<19.6	ND<19.1	ND<18.0	ND<24.3	ND<18.3	ND<18.8	ND<16.8	ND<15.9
1,2,4-Trimethylbenzene	3,600	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
1,3,5-Trimethylbenzene	8,400	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37
Methyl tert-butyl ether	930	ND<7.83	ND<7.63	ND<7.21	ND<9.74	ND<7.33	ND<7.52	ND<6.74	ND<6.37

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit;

ND = Not detected, detection limit listed;

NE = No standard established.

Table 5. **Semi-Volatile Organic Compounds (SVOCs) in Post-Excavation Soil Samples;** USEPA Method 8270; collected **July 15, 2010;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-12	PE-13	PE-14	PE-15	PE-16	PE-17	PE-18	PE-19
Base Neutrals									
Acenaphthene	20,000	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Anthracene	100,000	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Benzo(a)anthracene	1,000	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Benzo(a)pyrene	1,000	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Benzo(b)fluoranthene	1,000	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Benzo(g,h,i)perylene	100,000	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Benzo(k)fluoranthene	800	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Chrysene	1,000	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Diethyl phthalate	NE	ND<319	ND<767	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Dimethyl phthalate	NE	ND<797	ND<767	ND<766	ND<828	ND<750	ND<745	ND<868	ND<764
Butylbenzylphthalate	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Di-n-butylphthalate	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Di-n-octylphthalate	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Bis(2-ethylhexyl)phthalate	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
2-Chloronaphthalene	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Hexachlorobenzene	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Hexachloroethane	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Hexachlorocyclopentadiene	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Hexachlorobutadiene	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
N-Nitroso-di-n-propylamine	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
N-Nitrosodiphenylamine	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
N-Nitrosodimethylamine	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Isophorone	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Benzyl alcohol	NE	ND<797	ND<767	ND<766	ND<828	ND<750	ND<745	ND<868	ND<764
Dibenzofuran	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
2-Methylnaphthalene	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 5 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Post-Excavation Soil Samples; USEPA Method 8270; collected **July 15, 2010**; 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-12	PE-13	PE-14	PE-15	PE-16	PE-17	PE-18	PE-19
Base Neutrals									
Dibenz(a,h)anthracene	330	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Fluoranthene	100,000	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Fluorene	30,000	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Indeno(1,2,3-cd)pyrene	500	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Napthalene	12,000	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Phenanthrene	100,000	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Pyrene	100,000	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Acenaphthylene	100,000	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
1,2-Dichlorobenzene	1,100	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
1,3-Dichlorobenzene	2,400	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
1,4-Dichlorobenzene	1,800	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
1,2,4-Trichlorobenzene	3,600	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Nitrobenzene	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
2,4-Dinitrotoluene	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
2,6-Dinitrotoluene	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Bis(2-chloroethyl)ether	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Bis(2-chloroisopropyl)ether	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Bis(2-chlorethoxy)methane	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
4-Bromophenyl phenyl ether	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
4-Chlorophenyl phenyl ether	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Benzidine	NE	ND<797	ND<767	ND<766	ND<828	ND<750	ND<745	ND<868	ND<764
3,3'-Dichlorobenzidine	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
4-Chloroaniline	NE	ND<319	ND<767	ND<766	ND<331	ND<300	ND<298	ND<347	ND<305
2-Nitroaniline	NE	ND<797	ND<767	ND<766	ND<828	ND<750	ND<745	ND<868	ND<764
3-Nitroaniline	NE	ND<797	ND<767	ND<766	ND<828	ND<750	ND<745	ND<868	ND<764
4-Nitroaniline	NE	ND<797	ND<767	ND<766	ND<828	ND<750	ND<745	ND<868	ND<764

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 5 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Post-Excavation Soil Samples; USEPA Method 8270; collected **July 15, 2010**; 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-12	PE-13	PE-14	PE-15	PE-16	PE-17	PE-18	PE-19
Acids									
Phenol	330	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
2-Chlorophenol	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
2,4-Dichlorophenol	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
2,6-Dichlorophenol	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
2,4,5-Trichlorophenol	NE	ND<797	ND<767	ND<766	ND<828	ND<750	ND<745	ND<868	ND<764
2,4,6-Trichlorophenol	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
Pentachlorophenol	800	ND<797	ND<767	ND<766	ND<828	ND<750	ND<745	ND<868	ND<764
4-Chloro-3-methylphenol	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
2-Methylphenol	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
3&4-Methylphenol	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
2,4-Dimethylphenol	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
2-Nitrophenol	NE	ND<319	ND<307	ND<307	ND<331	ND<300	ND<298	ND<347	ND<305
4-Nitrophenol	NE	ND<797	ND<767	ND<766	ND<828	ND<750	ND<745	ND<868	ND<764
2,4-Dinitrophenol	NE	ND<797	ND<767	ND<766	ND<828	ND<750	ND<745	ND<868	ND<764
4,6-Dinitro-2-methylphenol	NE	ND<797	ND<767	ND<766	ND<828	ND<750	ND<745	ND<868	ND<764
Benzoic acid	NE	ND<797	ND<767	ND<766	ND<828	ND<750	ND<745	ND<868	ND<764

Notes:

1 - Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit;

M = Matrix spike recoveries outside QC limits. Matrix bias indicated.

Table 5 Cont'd. **Semi-Volatile Organic Compounds (SVOCs) in Post-Excavation Soil Samples;** USEPA Method 8270; collected **July 15, 2010;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-20	PE-21	PE-22	PE-23	PE-24	PE-25	PE-26	PE-27
Base Neutrals									
Acenaphthene	20,000	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Anthracene	100,000	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Benzo(a)anthracene	1,000	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Benzo(a)pyrene	1,000	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Benzo(b)fluoranthene	1,000	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Benzo(g,h,i)perylene	100,000	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Benzo(k)fluoranthene	800	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Chrysene	1,000	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Diethyl phthalate	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Dimethyl phthalate	NE	ND<752	ND<882	ND<757	ND<770	ND<745	ND<738	ND<750	ND<751
Butylbenzylphthalate	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Di-n-butylphthalate	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Di-n-octylphthalate	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Bis(2-ethylhexyl)phthalate	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
2-Chloronaphthalene	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Hexachlorobenzene	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Hexachloroethane	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Hexachlorocyclopentadiene	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Hexachlorobutadiene	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
N-Nitroso-di-n-propylamine	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
N-Nitrosodiphenylamine	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
N-Nitrosodimethylamine	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Isophorone	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Benzyl alcohol	NE	ND<752	ND<882	ND<757	ND<770	ND<745	ND<738	ND<750	ND<751
Dibenzofuran	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
2-Methylnapthalene	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300

Notes:

1 - Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 5 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Post-Excavation Soil Samples; USEPA Method 8270; collected **July 15, 2010;** 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-20	PE-21	PE-22	PE-23	PE-24	PE-25	PE-26	PE-27
Base Neutrals									
Dibenz(a,h)anthracene	330	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Fluoranthene	100,000	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	542
Fluorene	30,000	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Indeno(1,2,3-cd)pyrene	500	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Napthalene	12,000	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Phenanthrene	100,000	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Pyrene	100,000	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	435
Acenaphthylene	100,000	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
1,2-Dichlorobenzene	1,100	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
1,3-Dichlorobenzene	2,400	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
1,4-Dichlorobenzene	1,800	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
1,2,4-Trichlorobenzene	3,600	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Nitrobenzene	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
2,4-Dinitrotoluene	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
2,6-Dinitrotoluene	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Bis(2-chloroethyl)ether	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Bis(2-chloroisopropyl)ether	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Bis(2-chlorethoxy)methane	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
4-Bromophenyl phenyl ether	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
4-Chlorophenyl phenyl ether	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Benzidine	NE	ND<752	ND<882	ND<757	ND<770	ND<745	ND<738	ND<750	ND<751
3,3'-Dichlorobenzidine	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
4-Chloroaniline	NE	ND<301	ND<882	ND<757	ND<308	ND<298	ND<295	ND<300	ND<300
2-Nitroaniline	NE	ND<752	ND<882	ND<757	ND<770	ND<745	ND<738	ND<750	ND<751
3-Nitroaniline	NE	ND<752	ND<882	ND<757	ND<770	ND<745	ND<738	ND<750	ND<751
4-Nitroaniline	NE	ND<752	ND<882	ND<757	ND<770	ND<745	ND<738	ND<750	ND<751

Notes:

1 - Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 5 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Post-Excavation Soil Samples; USEPA Method 8270; collected **July 15, 2010;** 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-20	PE-21	PE-22	PE-23	PE-24	PE-25	PE-26	PE-27
Acids									
Phenol	330	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
2-Chlorophenol	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
2,4-Dichlorophenol	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
2,6-Dichlorophenol	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
2,4,5-Trichlorophenol	NE	ND<752	ND<882	ND<757	ND<770	ND<745	ND<738	ND<750	ND<751
2,4,6-Trichlorophenol	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
Pentachlorophenol	800	ND<752	ND<	ND<757	ND<770	ND<745	ND<738	ND<750	ND<751
4-Chloro-3-methylphenol	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
2-Methylphenol	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
3&4-Methylphenol	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
2,4-Dimethylphenol	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
2-Nitrophenol	NE	ND<301	ND<353	ND<303	ND<308	ND<298	ND<295	ND<300	ND<300
4-Nitrophenol	NE	ND<752	ND<882	ND<757	ND<770	ND<745	ND<738	ND<750	ND<751
2,4-Dinitrophenol	NE	ND<752	ND<882	ND<757	ND<770	ND<745	ND<738	ND<750	ND<751
4,6-Dinitro-2-methylphenol	NE	ND<752	ND<882	ND<757	ND<770	ND<745	ND<738	ND<750	ND<751
Benzoic acid	NE	ND<752	ND<882	ND<757	ND<770	ND<745	ND<738	ND<750	ND<751

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 5 Cont'd. **Semi-Volatile Organic Compounds (SVOCs) in Post-Excavation Soil Samples;** USEPA Method 8270; collected **July 15, 2010;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-28	PE-29	PE-30	PE-31	PE-32	PE-33	PE-34	PE-35
Base Neutrals									
Acenaphthene	20,000	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Anthracene	100,000	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Benzo(a)anthracene	1,000	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Benzo(a)pyrene	1,000	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Benzo(b)fluoranthene	1,000	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Benzo(g,h,i)perylene	100,000	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Benzo(k)fluoranthene	800	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Chrysene	1,000	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Diethyl phthalate	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Dimethyl phthalate	NE	ND<742	ND<304	ND<760	ND<777	ND<756	ND<801	ND<751	ND<756
Butylbenzylphthalate	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Di-n-butylphthalate	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Di-n-octylphthalate	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Bis(2-ethylhexyl)phthalate	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
2-Chloronaphthalene	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Hexachlorobenzene	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Hexachloroethane	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Hexachlorocyclopentadiene	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Hexachlorobutadiene	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
N-Nitroso-di-n-propylamine	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
N-Nitrosodiphenylamine	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
N-Nitrosodimethylamine	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Isophorone	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Benzyl alcohol	NE	ND<742	ND<304	ND<760	ND<777	ND<756	ND<801	ND<751	ND<756
Dibenzofuran	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
2-Methylnapthalene	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 5 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Post-Excavation Soil Samples; USEPA Method 8270; collected **July 15, 2010;** 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-28	PE-29	PE-30	PE-31	PE-32	PE-33	PE-34	PE-35
Base Neutrals									
Dibenz(a,h)anthracene	330	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Fluoranthene	100,000	588	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Fluorene	30,000	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Indeno(1,2,3-cd)pyrene	500	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Napthalene	12,000	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Phenanthrene	100,000	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Pyrene	100,000	434	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Acenaphthylene	100,000	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
1,2-Dichlorobenzene	1,100	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
1,3-Dichlorobenzene	2,400	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
1,4-Dichlorobenzene	1,800	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
1,2,4-Trichlorobenzene	3,600	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Nitrobenzene	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
2,4-Dinitrotoluene	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
2,6-Dinitrotoluene	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Bis(2-chloroethyl)ether	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Bis(2-chloroisopropyl)ether	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Bis(2-chlorethoxy)methane	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
4-Bromophenyl phenyl ether	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
4-Chlorophenyl phenyl ether	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Benzidine	NE	ND<742	ND<304	ND<760	ND<777	ND<756	ND<801	ND<751	ND<756
3,3'-Dichlorobenzidine	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
4-Chloroaniline	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
2-Nitroaniline	NE	ND<742	ND<304	ND<760	ND<777	ND<756	ND<801	ND<751	ND<756
3-Nitroaniline	NE	ND<742	ND<304	ND<760	ND<777	ND<756	ND<801	ND<751	ND<756
4-Nitroaniline	NE	ND<742	ND<304	ND<760	ND<777	ND<756	ND<801	ND<751	ND<756

Notes:

1 - Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 5 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Post-Excavation Soil Samples; USEPA Method 8270; collected **July 15, 2010**; 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-28	PE-29	PE-30	PE-31	PE-32	PE-33	PE-34	PE-35
Acids									
Phenol	330	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
2-Chlorophenol	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
2,4-Dichlorophenol	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
2,6-Dichlorophenol	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
2,4,5-Trichlorophenol	NE	ND<742	ND<761	ND<760	ND<777	ND<756	ND<801	ND<751	ND<756
2,4,6-Trichlorophenol	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
Pentachlorophenol	800	ND<742	ND<761	ND<760	ND<777	ND<756	ND<801	ND<751	ND<756
4-Chloro-3-methylphenol	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
2-Methylphenol	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
3&4-Methylphenol	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
2,4-Dimethylphenol	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
2-Nitrophenol	NE	ND<297	ND<304	ND<304	ND<311	ND<302	ND<320	ND<300	ND<302
4-Nitrophenol	NE	ND<742	ND<761	ND<760	ND<777	ND<756	ND<801	ND<751	ND<756
2,4-Dinitrophenol	NE	ND<742	ND<761	ND<760	ND<777	ND<756	ND<801	ND<751	ND<756
4,6-Dinitro-2-methylphenol	NE	ND<742	ND<761	ND<760	ND<777	ND<756	ND<801	ND<751	ND<756
Benzoic acid	NE	ND<742	ND<761	ND<760	ND<777	ND<756	ND<801	ND<751	ND<756

Notes:

1 - Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 6. **Priority Pollutant Metals and Hexavalent Chromium in Post-Excavation Soil Samples;** USEPA Method 6010, 7471, and 7196A MOD; collected **July 15, 2010;** 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	PE-12	PE-13	PE-14	PE-15	PE-16	PE-17	PE-18	PE-19
Inorganic Parameters									
Antimony	NE	ND<4.48	ND<4.48	ND<6.11	ND<6.80	ND<6.22	ND<5.90	ND<7.21	ND<4.94
Arsenic	13	5.92	4.57	5.36	6.25	5.59	4.62	5.57	4.27
Beryllium	7.2	0.473	ND<0.403	ND<5.09	ND<0.566	ND<0.518	ND<0.492	ND<0.600	0.510
Cadmium	2.5	ND<0.374	ND<0.403	ND<5.09	ND<0.566	ND<0.518	ND<0.492	2.87	ND<0.412
Chromium	30	31.9	19.7	47.7	33.1	17.7	17.7	248	37.9
Copper	50	32.8	20.0	52.9	53.9	24.3	25.0	266	69.4
Lead	63	11.6	9.23	22.6	22.9	12.2	9.79	67.4	24.1
Mercury	0.18	0.0380	0.0370	0.403	0.467	0.0741	0.0399	0.204	0.132
Nickel	30	31.4	22.8	32.9	112	26.7	17.4	57.2	35.5
Selenium	3.9	ND<0.374	ND<0.403	ND<0.509	ND<0.566	ND<0.518	ND<0.492	ND<0.600	ND<0.412
Silver	2	ND<0.747	ND<0.807	ND<1.02	ND<1.13	ND<1.04	ND<0.984	4.26	ND<0.822
Thallium	NE	ND<0.448	ND<4.48	ND<0.611	ND<0.680	ND<0.622	ND<0.590	ND<0.721	ND<0.494
Zinc	109	98.7	60.4	82.0	135	86.9	64.6	278	223
Hexavalent Chromium	1	ND <0.0004	ND <0.0004	ND <0.0004	ND <0.0004	ND <0.0004	ND <0.0004	ND <0.0004	ND <0.0004

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in mg/kg unless otherwise indicated;

NE = No standard established;

ND = analyzed for but not detected, detection limit listed;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC *Unrestricted Use* Limit.

Table 6 Cont'd. **Priority Pollutant Metals and Hexavalent Chromium in Post-Excavation Soil**
Samples; USEPA Method 6010, 7471, and 7196A MOD;
collected **July 15, 2010;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	PE-20	PE-21	PE-22	PE-23	PE-24	PE-25	PE-26	PE-27
Inorganic Parameters									
Antimony	NE	ND<5.96	7.35	ND<5.27	ND<5.01	ND<4.91	ND<5.47	ND<6.07	ND<6.04
Arsenic	13	6.11	5.79	5.29	5.14	5.21	6.28	7.66	8.91
Beryllium	7.2	0.560	ND<0.559	ND<0.439	0.482	0.495	0.504	0.536	ND<0.504
Cadmium	2.5	0.496	0.938	ND<0.439	ND<0.417	ND<0.410	ND<0.456	ND<0.507	ND<0.504
Chromium	30	24.1	129	26.2	18.5	20.0	19.3	19.2	22.7
Copper	50	61.3	166	28.9	26.5	23.8	28.2	28.7	34.2
Lead	63	61.6	45.9	11.5	14.2	13.7	10.1	15.2	14.2
Mercury	0.18	0.188	0.872	0.177	0.0940	0.105	0.0407	0.0634	0.0715
Nickel	30	23.3	34.5	20.2	28.3	25.9	23.2	23.3	23.8
Selenium	3.9	ND<0.496	ND<0.559	ND<0.439	ND<0.417	ND<0.410	ND<0.456	ND<0.507	ND<0.504
Silver	2	ND<0.993	4.04	ND<0.878	ND<0.834	ND<0.818	ND<0.911	ND<1.01	ND<1.01
Thallium	NE	ND<0.596	ND<0.670	ND<0.527	ND<0.501	ND<0.491	ND<0.547	ND<0.607	ND<0.604
Zinc	109	151	171	62.0	84.4	73.3	64.7	69.6	65.9
Hexavalent Chromium	1	ND <0.0004	ND <0.0004	ND <0.0004	ND <0.0004	ND <0.0004	ND <0.0004	ND <0.0004	ND <0.0004

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in mg/kg unless otherwise indicated;

NE = No standard established;

ND = analyzed for but not detected, detection limit listed;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC *Unrestricted Use* Limit.

Table 6 Cont'd. **Priority Pollutant Metals and Hexavalent Chromium in Post-Excavation Soil**
Samples; USEPA Method 6010, 7471, and 7196A MOD;
collected **July 15, 2010;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	PE-28	PE-29	PE-30	PE-31	PE-32	PE-33	PE-34	PE-35
Inorganic Parameters									
Antimony	NE	ND<5.40	ND<4.99	ND<5.96	ND<6.15	ND<4.88	ND<4.98	ND<5.71	ND<5.67 M
Arsenic	13	7.07	6.51	6.06	9.94	6.62	7.43	7.36	6.90 D,M
Beryllium	7.2	0.623	0.514	0.543	0.710	0.507	0.553	0.546	0.480 M
Cadmium	2.5	ND<0.450	ND<0.416	ND<0.496	ND<0.512	ND<0.406	ND<0.415	ND<0.476	ND<0.473 M
Chromium	30	23.5	15.8	16.5	35.2	17.0	17.6	16.5	34.2 D,M
Copper	50	33.3	26.5	25.9	37.6	26.4	26.0	26.8	46.0 D,M
Lead	63	13.9	9.74	8.00	15.9	11.7	9.91	9.71	22.9 D
Mercury	0.18	0.0767 D	0.0355	0.0344	0.0879	0.0554	0.0455	0.0379	0.150
Nickel	30	24.4	20.3	21.6	41.3	21.8	20.5	28.0	40.7 M
Selenium	3.9	ND<0.450	ND<0.416	ND<0.496	ND<0.512	ND<0.406	ND<0.415	ND<0.476	ND<0.473 M
Silver	2	ND<0.899	ND<0.831	ND<0.992	ND<1.03	ND<0.813	ND<0.831	ND<0.951	ND<0.945 M
Thallium	NE	ND<0.540	ND<0.499	ND<0.596	ND<0.615	ND<0.488	ND<0.498	ND<0.571	ND<0.567
Zinc	109	77.4	56.7	59.6	96.6	66.9	64.0	65.2	83.1 M
Hexavalent Chromium	1	ND <0.0004	ND <0.0004	ND <0.0004	ND <0.0004	ND <0.0004	ND <0.0004	ND <0.0004	ND <0.0004

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in mg/kg unless otherwise indicated;

NE = No standard established;

ND = analyzed for but not detected, detection limit listed;

D = Method blank contained trace levels of analyte;

M = Matrix spike recoveries outside QC limits. Matrix bias indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC *Unrestricted Use* Limit.

Table 7.

PCBs in Post-Excavation Soil Samples;
collected **July 15, 2010**; 67 South Plank Road, Newburgh, New York;
File #160566

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-12	PE-13	PE-14	PE-15	PE-16	PE-17	PE-18	PE-19
Aroclor 1016	NE	ND<0.330	ND<0.316	ND<0.320	ND<0.342	ND<0.309	ND<0.314	ND<0.359	ND<0.311
Aroclor 1221	NE	ND<0.330	ND<0.316	ND<0.320	ND<0.342	ND<0.309	ND<0.314	ND<0.359	ND<0.311
Aroclor 1232	NE	ND<0.330	ND<0.316	ND<0.320	ND<0.342	ND<0.309	ND<0.314	ND<0.359	ND<0.311
Aroclor 1242	NE	ND<0.330	ND<0.316	ND<0.320	ND<0.342	ND<0.309	ND<0.314	ND<0.359	ND<0.311
Aroclor 1248	NE	ND<0.330	ND<0.316	ND<0.320	ND<0.342	ND<0.309	ND<0.314	ND<0.359	ND<0.311
Aroclor 1254	NE	ND<0.330	ND<0.316	ND<0.320	ND<0.342	ND<0.309	ND<0.314	ND<0.359	ND<0.311
Aroclor 1260	NE	ND<0.330	ND<0.316	ND<0.320	ND<0.342	ND<0.309	ND<0.314	ND<0.359	ND<0.311
TOTAL PCBs	0.1	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in mg/kg, unless otherwise indicated;

ND = Not detected, detection limit listed;

NE = Not Established;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC guidance.

Table 7 cont. **PCBs in Post-Excavation Soil Samples;**
collected **July 15, 2010**; 67 South Plank Road, Newburgh, New York;
File #160566

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-20	PE-21	PE-22	PE-23	PE-24	PE-25	PE-26	PE-27
Aroclor 1016	NE	ND<0.316	ND<0.366	ND<0.317	ND<0.320	ND<0.311	ND<0.301	ND<0.312	ND<0.314
Aroclor 1221	NE	ND<0.316	ND<0.366	ND<0.317	ND<0.320	ND<0.311	ND<0.301	ND<0.312	ND<0.314
Aroclor 1232	NE	ND<0.316	ND<0.366	ND<0.317	ND<0.320	ND<0.311	ND<0.301	ND<0.312	ND<0.314
Aroclor 1242	NE	ND<0.316	ND<0.366	ND<0.317	ND<0.320	ND<0.311	ND<0.301	ND<0.312	ND<0.314
Aroclor 1248	NE	ND<0.316	ND<0.366	ND<0.317	ND<0.320	ND<0.311	ND<0.301	ND<0.312	ND<0.314
Aroclor 1254	NE	ND<0.316	ND<0.366	ND<0.317	ND<0.320	ND<0.311	ND<0.301	ND<0.312	ND<0.314
Aroclor 1260	NE	ND<0.316	ND<0.366	ND<0.317	ND<0.320	ND<0.311	ND<0.301	ND<0.312	ND<0.314
TOTAL PCBs	0.1	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in mg/kg, unless otherwise indicated;

ND = Not detected, detection limit listed;

NE = Not Established;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC guidance.

Table 7 cont. **PCBs in Post-Excavation Soil Samples;**
collected **July 15, 2010**; 67 South Plank Road, Newburgh, New York;
File #160566

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-28	PE-29	PE-30	PE-31	PE-32	PE-33	PE-34	PE-35
Aroclor 1016	NE	ND<0.327	ND<0.319	ND<0.310	ND<0.323	ND<0.309	ND<0.333	ND<0.313	ND<0.317
Aroclor 1221	NE	ND<0.327	ND<0.319	ND<0.310	ND<0.323	ND<0.309	ND<0.333	ND<0.313	ND<0.317
Aroclor 1232	NE	ND<0.327	ND<0.319	ND<0.310	ND<0.323	ND<0.309	ND<0.333	ND<0.313	ND<0.317
Aroclor 1242	NE	ND<0.327	ND<0.319	ND<0.310	ND<0.323	ND<0.309	ND<0.333	ND<0.313	ND<0.317
Aroclor 1248	NE	0.337	ND<0.319	ND<0.310	ND<0.323	ND<0.309	ND<0.333	ND<0.313	ND<0.317
Aroclor 1254	NE	ND<0.327	ND<0.319	ND<0.310	ND<0.323	ND<0.309	ND<0.333	ND<0.313	ND<0.317
Aroclor 1260	NE	ND<0.327	ND<0.319	ND<0.310	ND<0.323	ND<0.309	ND<0.333	ND<0.313	ND<0.317
TOTAL PCBs	0.1	0.337	ND	ND	ND	ND	ND	ND	ND

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in mg/kg, unless otherwise indicated;

ND = Not detected, detection limit listed;

NE = Not Established;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC guidance.

Table 8. **Pesticides in Post-Excavation Soil Samples;** USEPA Method 8081; collected **July 15, 2010;** 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-12	PE-13	PE-14	PE-15	PE-16	PE-17	PE-18	PE-19
Aldrin	5	ND<3.15	ND<3.06	ND<3.08	ND<3.32	ND<2.99	ND<3.01	ND<3.46	ND<3.05
alpha-BHC	20	ND<3.15	ND<3.06	ND<3.08	ND<3.32	ND<2.99	ND<3.01	ND<3.46	ND<3.05
beta-BHC	36	ND<3.15	ND<3.06	ND<3.08	ND<3.32	ND<2.99	ND<3.01	ND<3.46	ND<3.05
delta-BHC	40	ND<3.15	ND<3.06	ND<3.08	ND<3.32	ND<2.99	ND<3.01	ND<3.46	ND<3.05
gamma-BHC	NE	ND<3.15	ND<3.06	ND<3.08	ND<3.32	ND<2.99	ND<3.01	ND<3.46	ND<3.05
alpha-Chlordane	20	ND<3.15	ND<3.06	6.44*	8.68*	ND<2.99	ND<3.01	ND<3.46	ND<3.05
gamma-Chlordane	NE	ND<3.15	ND<3.06	4.10	5.63	ND<2.99	ND<3.01	ND<3.46	ND<3.05
4,4'-DDD	3.3	ND<3.15	ND<3.06	6.60	8.97*	ND<2.99	ND<3.01	ND<3.46	ND<3.05
4,4'-DDE	3.3	ND<3.15	ND<3.06	ND<3.08	4.30	ND<2.99	ND<3.01	ND<3.46	ND<3.05
4,4'-DDT	3.3	ND<3.15	ND<3.06	6.03	8.73	ND<2.99	ND<3.01	ND<3.46	4.76
Dieldrin	5	ND<3.15	ND<3.06	3.41	6.06	ND<2.99	ND<3.01	ND<3.46	3.69
Endosulfan I	2,400	ND<3.15	ND<3.06	ND<3.08	ND<3.32	ND<2.99	ND<3.01	ND<3.46	ND<3.05
Endosulfan II	2,400	ND<3.15	ND<3.06	ND<3.08	ND<3.32	ND<2.99	ND<3.01	ND<3.46	ND<3.05
Endosulfan Sulfate	2,400	ND<3.15	ND<3.06	ND<3.08	ND<3.32	ND<2.99	ND<3.01	ND<3.46	ND<3.05
Endrin	14	ND<3.15	ND<3.06	ND<3.08	ND<3.32	ND<2.99	ND<3.01	ND<3.46	ND<3.05
Endrin Aldehyde	NE	ND<3.15	ND<3.06	ND<3.08	ND<3.32	ND<2.99	ND<3.01	ND<3.46	ND<3.05
Heptachlor	42	ND<3.15	ND<3.06	ND<3.08	ND<3.32	ND<2.99	ND<3.01	ND<3.46	ND<3.05
Heptachlor Epoxide	NE	ND<3.15	ND<3.06	ND<3.08	ND<3.32	ND<2.99	ND<3.01	ND<3.46	ND<3.05
Methoxychlor	NE	ND<3.15	ND<3.06	5.01*	ND<3.32	ND<2.99	ND<3.01	ND<3.46	ND<3.05
Toxaphene	NE	ND<158	ND<153	ND<154	ND<166	ND<150	ND<151	ND<173	ND<153

Notes:

1 – Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg, unless otherwise indicated;

ND = Not detected, detection limit listed;

NE = Not Established;

* = Sample result differs by more than 40% between primary and secondary columns;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC *Unrestricted Use* Limit.

Table 9

Volatile Organic Compounds (VOCs) in Post-Excavation Soil Samples; USEPA
 Method 8260; collected **July 26 & 29, 2010**; 67 South Plank Road, Newburgh, New York;
 File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-12B	PE-14B	PE-15B	PE-18B	PE-19B	PE-20B	PE-21B	PE-22B
Volatile Organic Compounds									
Bromodichloromethane	100,000	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
Bromomethane	100,000	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
Bromoform	100,000	ND<20.6	ND<17.7	ND<19.5	ND<19.1	ND<16.9	ND<21.3	ND<22.4	ND<22.3
Carbon tetrachloride	760	ND<20.6	ND<17.7	ND<19.5	ND<19.1	ND<16.9	ND<21.3	ND<22.4	ND<22.3
Chloroethane	100,000	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
Chloromethane	100,000	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
2-Chloroethyl vinyl ether	100,000	ND<41.3	ND<35.4	ND<39.0	ND<38.1	ND<33.8	ND<42.6	ND<44.8	ND<44.5
Chloroform	370	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
Dibromochloromethane	100,000	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
1,1-Dichloroethane	270	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
1,2-Dichloroethane	20	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
1,1-Dichloroethene	330	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
cis-1, 2-Dichloroethene	250	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
trans-1,2-Dichloroethene	190	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
1,2-Dichloropropane	100,000	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
cis-1,3-Dichloropropene	100,000	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
trans-1,3-Dichloropropene	100,000	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
Methylene chloride	50	ND<20.6	ND<17.7	ND<19.5	ND<19.1	ND<16.9	ND<21.3	ND<22.4	ND<22.3
1,1,2,2-Tetrachloroethane	100,000	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
Tetrachloroethene	1,300	19.9	12.0	24.3	14.9	16.9	34.5	12.6	16.0
1,1,1-Trichloroethane	680	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
1,1,2-Trichloroethane	100,000	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
Trichloroethene	470	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
Trichlorofluormethane	100,000	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
Vinyl Chloride	20	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91

Notes:

1 – Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding the NYSDEC Limit;

ND = Not detected, detection limit listed;

NE = No standard established.

Table 9 Cont'd.

Volatile Organic Compounds (VOCs) in Post-Excavation Soil Samples;
 USEPA Method 8260; collected **July 26 & 29, 2010**; 67 South Plank Road,
 Newburgh, New York;
 File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-12B	PE-14B	PE-15B	PE-18B	PE-19B	PE-20B	PE-21B	PE-22B
Volatile Organic Compounds									
Benzene	60	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
Chlorobenzene	1,100	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
Ethylbenzene	1,000	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
Toluene	700	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
m/p-Xylene	260	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	10.5	ND<8.96	ND<8.91
o-Xylene	260	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
Styrene	100,000	ND<20.6	ND<17.7	ND<19.5	ND<19.1	ND<16.9	ND<21.3	ND<22.4	ND<22.3
1,2-Dichlorobenzene	1,100	ND<20.6	ND<17.7	ND<19.5	ND<19.1	ND<16.9	ND<21.3	ND<22.4	ND<22.3
1,3-Dichlorobenzene	2,400	ND<20.6	ND<17.7	ND<19.5	ND<19.1	ND<16.9	ND<21.3	ND<22.4	ND<22.3
1,4-Dichlorobenzene	1,800	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
Acetone	50	ND<41.3	ND<35.4	ND,39.0	ND<38.1	ND<33.8	ND<42.6	ND<44.8	ND<44.5
2-Butanone	120	ND<41.3	ND<35.4	ND<39.0	ND<38.1	ND<33.8	ND<42.6	ND<44.8	ND<44.5
2-Hexanone	100,000	ND<20.6	ND<17.7	ND<19.5	ND<19.1	ND<16.9	ND<21.3	ND<22.4	ND<22.3
4-Methyl-2-pentanone	100,000	ND<20.6	ND<17.7	ND<19.5	ND<19.1	ND<16.9	ND<21.3	ND<22.4	ND<22.3
Carbon disulfide	100,000	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
Vinyl acetate	100,000	ND<20.6	ND<17.7	ND<19.5	ND<19.1	ND<16.9	ND<21.3	ND<22.4	ND<22.3
n-Butylbenzene	12,000	ND<41.3	ND<35.4	ND<39.0	ND<38.1	ND<33.8	ND<42.8	ND<44.8	ND<44.5
sec-Butylbenzene	11,000	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
tert-Butylbenzene	5,900	ND<20.6	ND<17.7	ND<19.5	ND<19.1	ND<16.9	ND<21.3	ND<22.4	ND<22.3
n-propylbenzene	3,900	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
Isopropylbenzene	100,000	ND<41.3	ND<35.4	ND<39.0	ND<7.63	ND<33.8	ND<42.6	ND<44.8	ND<44.5
p-Isopropyltoluene	100,000	ND<41.3	ND<35.4	ND<39.0	ND<38.1	ND<33.8	ND<42.6	ND<44.8	ND<44.5
Naphthalene	100,000	ND<20.6	ND<17.7	ND<19.5	ND<38.1	ND<16.9	ND<21.3	ND<22.4	ND<22.3
1,2,4-Trimethylbenzene	3,600	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
1,3,5-Trimethylbenzene	8,400	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91
Methyl tert-butyl ether	930	ND<8.25	ND<7.07	ND<7.80	ND<7.63	ND<6.75	ND<8.52	ND<8.96	ND<8.91

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit;

ND = Not detected, detection limit listed;

NE = No standard established

Table 9 Cont'd.

Volatile Organic Compounds (VOCs) in Post-Excavation Soil Samples;
 USEPA Method 8260; collected **July 26 & 29, 2010**; 67 South Plank Road,
 Newburgh, New York;
 File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification	
		PE-28B	PE-31B
Volatile Organic Compounds			
Bromodichloromethane	100,000	ND<7.11	ND<7.05
Bromomethane	100,000	ND<7.11	ND<7.05
Bromoform	100,000	ND<17.8	ND<17.6
Carbon tetrachloride	760	ND<17.8	ND<17.6
Chloroethane	100,000	ND<7.11	ND<7.05
Chloromethane	100,000	ND<7.11	ND<7.05
2-Chloroethyl vinyl ether	100,000	ND<35.5	ND<35.3
Chloroform	370	ND<7.11	ND<7.05
Dibromochloromethane	100,000	ND<7.11	ND<7.05
1,1-Dichloroethane	270	ND<7.11	ND<7.05
1,2-Dichloroethane	20	ND<7.11	ND<7.05
1,1-Dichloroethene	330	ND<7.11	ND<7.05
cis-1, 2-Dichloroethene	250	ND<7.11	ND<7.05
trans-1,2-Dichloroethene	190	ND<7.11	ND<7.05
1,2-Dichloropropane	100,000	ND<7.11	ND<7.05
cis-1,3-Dichloropropene	100,000	ND<7.11	ND<7.05
trans-1,3-Dichloropropene	100,000	ND<7.11	ND<7.05
Methylene chloride	50	ND<17.8	ND<17.6
1,1,2,2-Tetrachloroethane	100,000	ND<7.11	ND<7.05
Tetrachloroethene	1,300	ND<7.11	9.04
1,1,1-Trichloroethane	680	ND<7.11	ND<7.05
1,1,2-Trichloroethane	100,000	ND<7.11	ND<7.05
Trichloroethene	470	ND<7.11	ND<7.05
Trichlorofluormethane	100,000	ND<7.11	ND<7.05
Vinyl Chloride	20	ND<7.11	ND<7.05

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit;

ND = Not detected, detection limit listed;

NE = No standard established.

Table 9 Cont'd.

Volatile Organic Compounds (VOCs) in Post-Excavation Soil Samples;
 USEPA Method 8260; collected **July 26 & 29, 2010**; 67 South Plank Road,
 Newburgh, New York;
 File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification	
		PE-28B	PE-31B
Volatile Organic Compounds			
Benzene	60	ND<7.11	ND<7.05
Chlorobenzene	1,100	ND<7.11	ND<7.05
Ethylbenzene	1,000	ND<7.11	ND<7.05
Toluene	700	ND<7.11	ND<7.05
m/p-Xylene	260	ND<7.11	ND<7.05
o-Xylene	260	ND<7.11	ND<7.05
Styrene	100,000	ND<17.8	ND<17.6
1,2-Dichlorobenzene	1,100	ND<17.8	ND<17.6
1,3-Dichlorobenzene	2,400	ND<17.8	ND<17.6
1,4-Dichlorobenzene	1,800	ND<7.11	ND<7.05
Acetone	50	ND<35.5	ND<35.3
2-Butanone	120	ND<35.5	ND<35.3
2-Hexanone	100,000	ND<17.8	ND<17.6
4-Methyl-2-pentanone	100,000	ND<17.8	ND<17.6
Carbon disulfide	100,000	ND<7.11	ND<7.05
Vinyl acetate	100,000	ND<17.8	ND<17.6
n-Butylbenzene	12,000	ND<35.5	ND<35.3
sec-Butylbenzene	11,000	ND<7.11	ND<7.05
tert-Butylbenzene	5,900	ND<17.8	ND<17.6
n-propylbenzene	3,900	ND<7.11	ND<7.05
Isopropylbenzene	100,000	ND<35.5	ND<35.3
p-Isopropyltoluene	100,000	ND<35.5	ND<35.3
Naphthalene	100,000	ND<17.8	ND<17.6
1,2,4-Trimethylbenzene	3,600	ND<7.11	ND<7.05
1,3,5-Trimethylbenzene	8,400	ND<7.11	ND<7.05
Methyl tert-butyl ether	930	ND<7.11	ND<7.05

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit;

ND = Not detected, detection limit listed;

NE = No standard established..

Table 10. **Semi-Volatile Organic Compounds (SVOCs) in Post-Excavation Soil Samples;** USEPA Method 8270; collected **July 26 and 29, 2010;** 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-12B	PE-14B	PE-15B	PE-18B	PE-19B	PE-20B	PE-21B	PE-22B
Base Neutrals									
Acenaphthene	20,000	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Anthracene	100,000	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Benzo(a)anthracene	1,000	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Benzo(a)pyrene	1,000	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Benzo(b)fluoranthene	1,000	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Benzo(g,h,i)perylene	100,000	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Benzo(k)fluoranthene	800	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Chrysene	1,000	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Diethyl phthalate	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Dimethyl phthalate	NE	ND<818	ND<745	ND<784	ND<802	ND<798	ND<798	ND<802	ND<806
Butylbenzylphthalate	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Di-n-butylphthalate	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Di-n-octylphthalate	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Bis(2-ethylhexyl)phthalate	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
2-Chloronaphthalene	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Hexachlorobenzene	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Hexachloroethane	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Hexachlorocyclopentadiene	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Hexachlorobutadiene	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
N-Nitroso-di-n-propylamine	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
N-Nitrosodiphenylamine	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
N-Nitrosodimethylamine	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Isophorone	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Benzyl alcohol	NE	ND<818	ND<745	ND<784	ND<802	ND<798	ND<798	ND<802	ND<806
Dibenzofuran	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
2-Methylnaphthalene	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 10 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Post-Excavation Soil Samples; USEPA Method 8270; collected **July 26 and 29, 2010;** 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-12B	PE-14B	PE-15B	PE-18B	PE-19B	PE-20B	PE-21B	PE-22B
Base Neutrals									
Dibenz(a,h)anthracene	330	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Fluoranthene	100,000	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Fluorene	30,000	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Indeno(1,2,3-cd)pyrene	500	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Napthalene	12,000	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Phenanthrene	100,000	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Pyrene	100,000	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Acenaphthylene	100,000	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
1,2-Dichlorobenzene	1,100	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
1,3-Dichlorobenzene	2,400	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
1,4-Dichlorobenzene	1,800	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
1,2,4-Trichlorobenzene	3,600	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Nitrobenzene	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
2,4-Dinitrotoluene	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
2,6-Dinitrotoluene	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Bis(2-chloroethyl)ether	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Bis(2-chloroisopropyl)ether	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Bis(2-chlorethoxy)methane	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
4-Bromophenyl phenyl ether	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
4-Chlorophenyl phenyl ether	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Benzidine	NE	ND<818	ND<745	ND<784	ND<802	ND<798	ND<798	ND<802	ND<806
3,3'-Dichlorobenzidine	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
4-Chloroaniline	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
2-Nitroaniline	NE	ND<818	ND<745	ND<784	ND<802	ND<798	ND<798	ND<802	ND<806
3-Nitroaniline	NE	ND<818	ND<745	ND<784	ND<802	ND<798	ND<798	ND<802	ND<806
4-Nitroaniline	NE	ND<818	ND<745	ND<784	ND<802	ND<798	ND<798	ND<802	ND<806

Notes:

1 - Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 10 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Post-Excavation Soil Samples; USEPA Method 8270; collected **July 26 and 29, 2010;** 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-12B	PE-14B	PE-15B	PE-18B	PE-19B	PE-20B	PE-21B	PE-22B
Acids									
Phenol	330	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
2-Chlorophenol	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
2,4-Dichlorophenol	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
2,6-Dichlorophenol	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
2,4,5-Trichlorophenol	NE	ND<818	ND<745	ND<784	ND<802	ND<798	ND<798	ND<802	ND<806
2,4,6-Trichlorophenol	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
Pentachlorophenol	800	ND<818	ND<745	ND<784	ND<802	ND<798	ND<798	ND<802	ND<806
4-Chloro-3-methylphenol	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
2-Methylphenol	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
3&4-Methylphenol	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
2,4-Dimethylphenol	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
2-Nitrophenol	NE	ND<327	ND<298	ND<313	ND<321	ND<319	ND<319	ND<321	ND<323
4-Nitrophenol	NE	ND<818	ND<745	ND<784	ND<802	ND<798	ND<798	ND<802	ND<806
2,4-Dinitrophenol	NE	ND<818	ND<745	ND<784	ND<802	ND<798	ND<798	ND<802	ND<806
4,6-Dinitro-2-methylphenol	NE	ND<818	ND<745	ND<784	ND<802	ND<798	ND<798	ND<802	ND<806
Benzoic acid	NE	ND<818	ND<745	ND<784	ND<802	ND<798	ND<798	ND<802	ND<806

Notes:

1 - Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit;

M = Matrix spike recoveries outside QC limits. Matrix bias indicated.

Table 10 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Post-Excavation Soil Samples; USEPA Method 8270; collected **July 26 and 29, 2010;** 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification	
		PE-28B	PE-31B
Base Neutrals			
Acenaphthene	20,000	ND<309	ND<322
Anthracene	100,000	ND<309	ND<322
Benzo(a)anthracene	1,000	ND<309	ND<322
Benzo(a)pyrene	1,000	ND<309	ND<322
Benzo(b)fluoranthene	1,000	ND<309	ND<322
Benzo(g,h,i)perylene	100,000	ND<309	ND<322
Benzo(k)fluoranthene	800	ND<309	ND<322
Chrysene	1,000	ND<309	ND<322
Diethyl phthalate	NE	ND<309	ND<322
Dimethyl phthalate	NE	ND<772	ND<805
Butylbenzylphthalate	NE	ND<309	ND<322
Di-n-butylphthalate	NE	ND<309	ND<322
Di-n-octylphthalate	NE	ND<309	ND<322
Bis(2-ethylhexyl)phthalate	NE	ND<309	ND<322
2-Chloronapthalene	NE	ND<309	ND<322
Hexachlorobenzene	NE	ND<309	ND<322
Hexachloroethane	NE	ND<309	ND<322
Hexachlorocyclopentadiene	NE	ND<309	ND<322
Hexachlorbutadiene	NE	ND<309	ND<322
N-Nitroso-di-n-propylamine	NE	ND<309	ND<322
N-Nitrosodiphenylamine	NE	ND<309	ND<322
N-Nitrosodimethylamine	NE	ND<309	ND<322
Isophorone	NE	ND<309	ND<322
Benzyl alcohol	NE	ND<772	ND<805
Dibenzofuran	NE	ND<309	ND<322
2-Methylnapthalene	NE	ND<309	ND<322

Notes:

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All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 10 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Post-Excavation Soil Samples; USEPA Method 8270; collected **July 26 and 29, 2010;** 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification	
		PE-28B	PE-31B
Dibenz(a,h)anthracene	330	ND<309	ND<322
Fluoranthene	100,000	ND<309	ND<322
Fluorene	30,000	ND<309	ND<322
Indeno(1,2,3-cd)pyrene	500	ND<309	ND<322
Napthalene	12,000	ND<309	ND<322
Phenanthrene	100,000	ND<309	ND<322
Pyrene	100,000	ND<309	ND<322
Acenaphthylene	100,000	ND<309	ND<322
1,2-Dichlorobenzene	1,100	ND<309	ND<322
1,3-Dichlorobenzene	2,400	ND<309	ND<322
1,4-Dichlorobenzene	1,800	ND<309	ND<322
1,2,4-Trichlorobenzene	3,600	ND<309	ND<322
Nitrobenzene	NE	ND<309	ND<322
2,4-Dinitroltoluene	NE	ND<309	ND<322
2,6-Dinitroltoluene	NE	ND<309	ND<322
Bis(2-chloroethyl)ether	NE	ND<309	ND<322
Bis(2-chloroisopropyl)ether	NE	ND<309	ND<322
Bis(2-chlorethoxy)methane	NE	ND<309	ND<322
4-Bromophenyl phenyl ether	NE	ND<309	ND<322
4-Chlorophenyl phenyl ether	NE	ND<309	ND<322
Benzidine	NE	ND<772	ND<805
3,3'-Dichlorobenzidine	NE	ND<309	ND<322
4-Chloroaniline	NE	ND<309	ND<322
2-Nitroaniline	NE	ND<772	ND<805
3-Nitroaniline	NE	ND<772	ND<805
4-Nitroaniline	NE	ND<772	ND<805

Notes:

1 - Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 10 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Post-Excavation Soil Samples; USEPA Method 8270; collected **July 26 and 29, 2010;** 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification	
		PE-28B	PE-31B
Phenol	330	ND<309	ND<322
2-Chlorophenol	NE	ND<309	ND<322
2,4-Dichlorophenol	NE	ND<309	ND<322
2,6-Dichlorophenol	NE	ND<309	ND<322
2,4,5-Trichlorophenol	NE	ND<772	ND<805
2,4,6-Trichlorophenol	NE	ND<309	ND<322
Pentachlorophenol	800	ND<772	ND<805
4-Chloro-3-methylphenol	NE	ND<309	ND<322
2-Methylphenol	NE	ND<309	ND<322
3&4-Methylphenol	NE	ND<309	ND<322
2,4-Dimethylphenol	NE	ND<309	ND<322
2-Nitrophenol	NE	ND<309	ND<322
4-Nitrophenol	NE	ND<772	ND<805
2,4-Dinitrophenol	NE	ND<772	ND<805
4,6-Dinitro-2-methylphenol	NE	ND<772	ND<805
Benzoic acid	NE	ND<772	ND<805

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit;

M = Matrix spike recoveries outside QC limits. Matrix bias indicated.

Table 11. **Priority Pollutant Metals and Hexavalent Chromium in Post-Excavation Soil Samples;** USEPA Method 6010, 7471, and 7196A MOD; collected **July 26 and 29, 2010**, 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	PE-12B	PE-14B	PE-15B	PE-18B	PE-19B	PE-20B	PE-21B
Inorganic Parameters								
Antimony	NE	ND<4.43	ND<5.36	ND<5.64	ND<6.37	ND<5.20	<ND5.31	ND<6.58
Arsenic	13	5.42	4.73	5.25	5.18	5.44	4.63	6.42
Beryllium	7.2	0.533	.0485	0.539	ND<0.530	0.550	0.533	0.586
Cadmium	2.5	ND<0.369	ND<0.446	ND<0.470	ND<0.530	ND<0.433	ND<0.443	ND<0.547
Chromium	30	45.3	14.1	14.3	21.4	15.6	19.8	16.4
Copper	50	34.1	20.1	21.0	34.4	34.0	38.2	29.9
Lead	63	13.4	8.44	8.49	12.3	11.5	23.7	17.2
Mercury	0.18	0.0536	0.0350	0.0326	0.0541	0.0200	0.0632	0.0358
Nickel	30	27.4	23.0	22.6	30.0	26.2	21.6	23.7
Selenium	3.9	ND<0.369	ND<0.446	ND<0.470	ND<0.530	ND<0.433	ND<0.443	ND<0.547
Silver	2	,0.739	ND<0.892	ND<0.941	ND<1.06	ND<0.867	ND<0.886	ND<1.10
Thallium	NE	ND<0.443	ND<0.536	ND<0.564	ND<0.637	ND<0.520	ND<0.531	ND<0.658
Zinc	109	70.0	57.7	60.7	102	101	95.2	69.0
Hexavalent Chromium	1	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in mg/kg unless otherwise indicated;

NE = No standard established;

ND = analyzed for but not detected, detection limit listed;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC *Unrestricted Use* Limit.

Table 11 cont. **Priority Pollutant Metals and Hexavalent Chromium in Post-Excavation Soil Samples;** USEPA Method 6010, 7471, and 7196A MOD; collected **July 26 and 29, 2010**, 67 South Plank Road, Newburgh, New York; File #160556

Chemical Constituent	NYSDEC Limit ¹	PE-22B	PE-28B	PE-31B
Inorganic Parameters				
Antimony	NE	ND<5.82	ND<6.06	ND<5.70
Arsenic	13	5.51	6.92	6.35
Beryllium	7.2	0.529	0.638	0.559
Cadmium	2.5	ND<0.486	ND<0.505	<0.474
Chromium	30	18.5	18.5	17.4
Copper	50	32.9	23.7	26.8
Lead	63	10.1	8.79B	9.78
Mercury	0.18	0.0369	0.0266D	0.0291
Nickel	30	22.1	23.7	25.4
Selenium	3.9	ND<0.486	ND<0.505	ND<0.474
Silver	2	ND<0.971	ND<1.01	ND<0.948
Thallium	NE	ND<0.582	ND<0.606	ND<0.570
Zinc	109	68.9	65.5	69.8
Hexavalent Chromium	1	ND<0.4	ND<0.4	ND<0.4

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in mg/kg unless otherwise indicated;

NE = No standard established;

ND = analyzed for but not detected, detection limit listed;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC *Unrestricted Use* Limit.

Table 12. **PCBs in Post-Excavation Soil Samples;**
collected **July 26 and 29, 2010;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-12B	PE-14B	PE-15B	PE-18B	PE-19B	PE-20B	PE-21B	PE-22B
Aroclor 1016	NE	ND<0.342	ND<0.312	ND<0.327	ND<0.339	ND<0.338	ND<0.334	ND<0.333	ND<0.329
Aroclor 1221	NE	ND<0.342	ND<0.312	ND<0.327	ND<0.339	ND<0.338	ND<0.334	ND<0.333	ND<0.329
Aroclor 1232	NE	ND<0.342	ND<0.312	ND<0.327	ND<0.339	ND<0.338	ND<0.334	ND<0.333	ND<0.329
Aroclor 1242	NE	ND<0.342	ND<0.312	ND<0.327	ND<0.339	ND<0.338	ND<0.334	ND<0.333	ND<0.329
Aroclor 1248	NE	ND<0.342	ND<0.312	ND<0.327	ND<0.339	ND<0.338	ND<0.334	ND<0.333	ND<0.329
Aroclor 1254	NE	ND<0.342	ND<0.312	ND<0.327	ND<0.339	ND<0.338	ND<0.334	ND<0.333	ND<0.329
Aroclor 1260	NE	ND<0.342	ND<0.312	ND<0.327	ND<0.339	ND<0.338	ND<0.334	ND<0.333	ND<0.329
TOTAL PCBs	0.1	ND	ND	ND	ND	ND	ND	ND	ND

Chemical Constituent	NYSDEC Limit ¹	Sample Identification	
		PE-28B	PE-31B
Aroclor 1016	NE	ND<0.321	ND<0.328
Aroclor 1221	NE	ND<0.321	ND<0.328
Aroclor 1232	NE	ND<0.321	ND<0.328
Aroclor 1242	NE	ND<0.321	ND<0.328
Aroclor 1248	NE	ND<0.321	ND<0.328
Aroclor 1254	NE	ND<0.321	ND<0.328
Aroclor 1260	NE	ND<0.321	ND<0.328
TOTAL PCBs	0.1	ND	ND

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in mg/kg, unless otherwise indicated;

ND = Not detected, detection limit listed;

NE = Not Established;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC guidance.

Table 13. **Pesticides in Post-Excavation Soil Samples;** USEPA Method 8081;
collected **July 26 and 29, 2010;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		PE-12B	PE-14B	PE-15B	PE-18B	PE-19B	PE-20B	PE-21B	PE-22B
Aldrin	5	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
alpha-BHC	20	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
beta-BHC	36	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
delta-BHC	40	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
gamma-BHC	NE	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
alpha-Chlordane	20	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
gamma-Chlordane	NE	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
4,4'-DDD	3.3	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
4,4'-DDE	3.3	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
4,4'-DDT	3.3	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
Dieldrin	5	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
Endosulfan I	2,400	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
Endosulfan II	2,400	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
Endosulfan Sulfate	2,400	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
Endrin	14	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
Endrin Aldehyde	NE	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
Heptachlor	42	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
Heptachlor Epoxide	NE	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
Methoxychlor	NE	ND<3.23	ND<2.95	ND<3.16	ND<3.22	ND<3.22	ND<3.24	ND<3.22	ND<3.22
Toxaphene	NE	ND<161	ND<147	ND<158	ND<161	ND<161	ND<162	ND<161	ND<161

Notes:

1 – Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg, unless otherwise indicated;

ND = Not detected, detection limit listed;

NE = Not Established;

* = Sample result differs by more than 40% between primary and secondary columns;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC *Unrestricted Use* Limit.

Table 13 cont. **Pesticides in Post-Excavation Soil Samples;** USEPA Method 8081;
collected **July 26 & 29, 2010;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification	
		PE-28B	PE-31B
Aldrin	5	ND<3.11	ND<3.22
alpha-BHC	20	ND<3.11	ND<3.22
beta-BHC	36	ND<3.11	ND<3.22
delta-BHC	40	ND<3.11	ND<3.22
gamma-BHC	NE	ND<3.11	ND<3.22
alpha-Chlordane	20	ND<3.11	ND<3.22
gamma-Chlordane	NE	ND<3.11	ND<3.22
4,4'-DDD	3.3	ND<3.11	ND<3.22
4,4'-DDE	3.3	ND<3.11	ND<3.22
4,4'-DDT	3.3	ND<3.11	ND<3.22
Dieldrin	5	ND<3.11	ND<3.22
Endosulfan I	2,400	ND<3.11	ND<3.22
Endosulfan II	2,400	ND<3.11	ND<3.22
Endosulfan Sulfate	2,400	ND<3.11	ND<3.22
Endrin	14	ND<3.11	ND<3.22
Endrin Aldehyde	NE	ND<3.11	ND<3.22
Heptachlor	42	ND<3.11	ND<3.22
Heptachlor Epoxide	NE	ND<3.11	ND<3.22
Methoxychlor	NE	ND<3.11	ND<3.22
Toxaphene	NE	ND<155	ND<161

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg, unless otherwise indicated;

ND = Not detected, detection limit listed;

NE = Not Established;

* = Sample result differs by more than 40% between primary and secondary columns;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC *Unrestricted Use* Limit.

Table 14. **Volatile Organic Compounds (VOCs) in Soil Samples; USEPA Method 8260;**
collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		TP-1 (0-1')	TP-2 (0-1')	TP-3 (0-1')	TP-4 (1-2')	TP-5 (0-1')	TP-5 (1-2')	TP-7 (0-1')	TP-8 (0-1')
Volatile Organic Compounds									
Bromodichloromethane	100,000	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
Bromomethane	100,000	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
Bromoform	100,000	ND<27.2	ND<21.1	ND<24.0	ND<20.2	ND<23.7	ND<21.4	ND<22.7	ND<25.6
Carbon tetrachloride	760	ND<27.2	ND<21.1	ND<24.0	ND<20.2	ND<23.7	ND<21.4	ND<22.7	ND<25.6
Chloroethane	100,000	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
Chloromethane	100,000	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
2-Chloroethyl vinyl ether	100,000	ND<54.4	ND<42.2	ND<48.1	ND<40.3	ND<47.3	ND<42.8	ND<45.5	ND<51.3
Chloroform	370	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
Dibromochloromethane	100,000	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
1,1-Dichloroethane	270	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
1,2-Dichloroethane	20	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
1,1-Dichloroethene	330	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
cis-1, 2-Dichloroethene	250	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
trans-1,2-Dichloroethene	190	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
1,2-Dichloropropane	100,000	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
cis-1,3-Dichloropropene	100,000	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
trans-1,3-Dichloropropene	100,000	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
Methylene chloride	50	ND<27.2	ND<21.1	ND<24.0	ND<20.2	ND<23.7	ND<21.4	ND<22.7	ND<25.6
1,1,2,2-Tetrachloroethane	100,000	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
Tetrachloroethene	1,300	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
1,1,1-Trichloroethane	680	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
1,1,2-Trichloroethane	100,000	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
Trichloroethene	470	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
Trichlorofluormethane	100,000	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
Vinyl Chloride	20	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3

Notes:
 1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;
 All concentrations are in ug/kg unless otherwise indicated;
Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit;
 ND = Not detected, detection limit listed;
 NE = No standard established.

Table 14 Cont'd.

Volatile Organic Compounds (VOCs) in Soil Samples; USEPA Method 8260;
collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		TP-1 (0-1')	TP-2 (0-1')	TP-3 (0-1')	TP-4 (1-2')	TP-5 (0-1')	TP-5 (1-2')	TP-7 (0-1')	TP-8 (0-1')
Volatile Organic Compounds									
Benzene	60	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
Chlorobenzene	1,100	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
Ethylbenzene	1,000	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
Toluene	700	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
m/p-Xylene	260	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
o-Xylene	260	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
Styrene	100,000	ND<27.2	ND<21.1	ND<24.0	ND<20.2	ND<23.7	ND<21.4	ND<22.7	ND<25.6
1,2-Dichlorobenzene	1,100	ND<27.2	ND<21.1	ND<24.0	ND<20.2	ND<23.7	ND<21.4	ND<22.7	ND<25.6
1,3-Dichlorobenzene	2,400	ND<27.2	ND<21.1	ND<24.0	ND<20.2	ND<23.7	ND<21.4	ND<22.7	ND<25.6
1,4-Dichlorobenzene	1,800	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
Acetone	50	ND<54.4	ND<42.2	ND<48.1	ND<40.3	ND<47.3	ND<42.8	ND<45.5	ND<51.3
2-Butanone	120	ND<54.4	ND<42.2	ND<48.1	ND<40.3	ND<47.3	ND<42.8	ND<45.5	ND<51.3
2-Hexanone	100,000	ND<27.2	ND<21.1	ND<24.0	ND<20.2	ND<23.7	ND<21.4	ND<22.7	ND<25.6
4-Methyl-2-pentanone	100,000	ND<27.2	ND<21.1	ND<24.0	ND<20.2	ND<23.7	ND<21.4	ND<22.7	ND<25.6
Carbon disulfide	100,000	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
Vinyl acetate	100,000	ND<27.2	ND<21.1	ND<24.0	ND<20.2	ND<23.7	ND<21.4	ND<22.7	ND<25.6
n-Butylbenzene	12,000	ND<54.4	ND<42.2	ND<48.1	ND<40.3	ND<47.3	ND<42.8	ND<45.5	ND<51.3
sec-Butylbenzene	11,000	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
tert-Butylbenzene	5,900	ND<27.2	ND<21.1	ND<24.0	ND<20.2	ND<23.7	ND<21.4	ND<22.7	ND<25.6
n-propylbenzene	3,900	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
Isopropylbenzene	100,000	ND<54.4	ND<42.2	ND<48.1	ND<40.3	ND<47.3	ND<42.8	ND<45.5	ND<51.3
p-Isopropyltoluene	100,000	ND<54.4	ND<42.2	ND<48.1	ND<40.3	ND<47.3	ND<42.8	ND<45.5	ND<51.3
Naphthalene	100,000	ND<27.2	ND<21.1	ND<24.0	ND<20.2	ND<23.7	ND<21.4	ND<22.7	ND<25.6
1,2,4-Trimethylbenzene	3,600	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
1,3,5-Trimethylbenzene	8,400	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3
Methyl tert-butyl ether	930	ND<10.9	ND<8.45	ND<9.61	ND<8.07	ND<9.47	ND<8.55	ND<9.09	ND<10.3

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit;

ND = Not detected, detection limit listed;

NE = No standard established.

Table 14 Cont'd.

Volatile Organic Compounds (VOCs) in Soil Samples; USEPA Method 8260;
collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		TP-8 (1-2')	TP-9 (0-1')	TP-9 (1-2')	TP-10 (0-1')	TP-10 (1-2')	TP-11 (0-1')	TP-11 (1-2')	TP-14 (0-1')
Volatile Organic Compounds									
Bromodichloromethane	100,000	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
Bromomethane	100,000	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
Bromoform	100,000	ND<25.3	ND<21.8	ND<25.6	ND<25.3	ND<20.5	ND<27.2	ND<23.6	ND<28.2
Carbon tetrachloride	760	ND<25.3	ND<21.8	ND<25.6	ND<25.3	ND<20.5	ND<27.2	ND<23.6	ND<28.2
Chloroethane	100,000	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
Chloromethane	100,000	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
2-Chloroethyl vinyl ether	100,000	ND<50.6	ND<43.6	ND<51.1	ND<50.5	ND<40.9	ND<54.3	ND<47.3	ND<56.4
Chloroform	370	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
Dibromochloromethane	100,000	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
1,1-Dichloroethane	270	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
1,2-Dichloroethane	20	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
1,1-Dichloroethene	330	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
cis-1, 2-Dichloroethene	250	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
trans-1,2-Dichloroethene	190	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
1,2-Dichloropropane	100,000	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
cis-1,3-Dichloropropene	100,000	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
trans-1,3-Dichloropropene	100,000	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
Methylene chloride	50	ND<25.3	ND<21.8	ND<25.6	ND<25.3	ND<20.5	ND<27.2	ND<23.6	ND<28.2
1,1,2,2-Tetrachloroethane	100,000	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
Tetrachloroethene	1,300	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
1,1,1-Trichloroethane	680	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
1,1,2-Trichloroethane	100,000	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
Trichloroethene	470	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
Trichlorofluormethane	100,000	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
Vinyl Chloride	20	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3

Notes:

1 – Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;
All concentrations are in ug/kg unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit;

ND = Not detected, detection limit listed;

NE = No standard established.

Table 14 Cont'd.

Volatile Organic Compounds (VOCs) in Soil Samples; USEPA Method 8260;
collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		TP-8 (1-2')	TP-9 (0-1')	TP-9 (1-2')	TP-10 (0-1')	TP-10 (1-2')	TP-11 (0-1')	TP-11 (1-2')	TP-14 (0-1')
Volatile Organic Compounds									
Benzene	60	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
Chlorobenzene	1,100	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
Ethylbenzene	1,000	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
Toluene	700	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
m/p-Xylene	260	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
o-Xylene	260	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
Styrene	100,000	ND<25.3	ND<21.8	ND<25.6	ND<25.3	ND<20.5	ND<27.2	ND<23.6	ND<28.2
1,2-Dichlorobenzene	1,100	ND<25.3	ND<21.8	ND<25.6	ND<25.3	ND<20.5	ND<27.2	ND<23.6	ND<28.2
1,3-Dichlorobenzene	2,400	ND<25.3	ND<21.8	ND<25.6	ND<25.3	ND<20.5	ND<27.2	ND<23.6	ND<28.2
1,4-Dichlorobenzene	1,800	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
Acetone	50	ND<50.6	ND<43.6	ND<51.1	ND<50.5	ND<40.9	ND<54.3	ND<47.3	ND<56.4
2-Butanone	120	ND<50.6	ND<43.6	ND<51.1	ND<50.5	ND<40.9	ND<54.3	ND<47.3	ND<56.4
2-Hexanone	100,000	ND<25.3	ND<21.8	ND<25.6	ND<25.3	ND<20.5	ND<27.2	ND<23.6	ND<28.2
4-Methyl-2-pentanone	100,000	ND<25.3	ND<21.8	ND<25.6	ND<25.3	ND<20.5	ND<27.2	ND<23.6	ND<28.2
Carbon disulfide	100,000	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
Vinyl acetate	100,000	ND<25.3	ND<21.8	ND<25.6	ND<25.3	ND<20.5	ND<27.2	ND<23.6	ND<28.2
n-Butylbenzene	12,000	ND<50.6	ND<43.6	ND<51.1	ND<50.5	ND<40.9	ND<54.3	ND<47.3	ND<56.4
sec-Butylbenzene	11,000	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
tert-Butylbenzene	5,900	ND<25.3	ND<21.8	ND<25.6	ND<25.3	ND<20.5	ND<27.2	ND<23.6	ND<28.2
n-propylbenzene	3,900	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
Isopropylbenzene	100,000	ND<50.6	ND<43.6	ND<51.1	ND<50.5	ND<40.9	ND<54.3	ND<47.3	ND<56.4
p-Isopropyltoluene	100,000	ND<50.6	ND<43.6	ND<51.1	ND<50.5	ND<40.9	ND<54.3	ND<47.3	ND<56.4
Naphthalene	100,000	ND<25.3	ND<21.8	ND<25.6	ND<25.3	ND<20.5	ND<27.2	ND<23.6	ND<28.2
1,2,4-Trimethylbenzene	3,600	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
1,3,5-Trimethylbenzene	8,400	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3
Methyl tert-butyl ether	930	ND<10.1	ND<8.72	ND<10.2	ND<10.1	ND<8.18	ND<10.9	ND<9.45	ND<11.3

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit;

ND = Not detected, detection limit listed;

NE = No standard established.

Table 14 Cont'd.

Volatile Organic Compounds (VOCs) in Soil Samples; USEPA Method 8260;
collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification						
		TP-14 (1-2')	TP-15 (0-1')	TP-15 (1-2')	TP-16 (0-1')	TP-16 (1-2')	TP-17 (0-1')	TP-20 (0-1')
Volatile Organic Compounds								
Bromodichloromethane	100,000	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
Bromomethane	100,000	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
Bromoform	100,000	ND<21.2	ND<25.9	ND<27.0	ND<22.6	ND<25.6	ND<27.3	ND<24.3
Carbon tetrachloride	760	ND<21.2	ND<25.9	ND<27.0	ND<22.6	ND<25.6	ND<27.3	ND<24.3
Chloroethane	100,000	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
Chloromethane	100,000	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
2-Chloroethyl vinyl ether	100,000	ND<42.3	ND<51.7	ND<54.1	ND<45.1	ND<51.2	ND<54.6	ND<48.6
Chloroform	370	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
Dibromochloromethane	100,000	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
1,1-Dichloroethane	270	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
1,2-Dichloroethane	20	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
1,1-Dichloroethene	330	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
cis-1, 2-Dichloroethene	250	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
trans-1,2-Dichloroethene	190	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
1,2-Dichloropropane	100,000	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
cis-1,3-Dichloropropene	100,000	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
trans-1,3-Dichloropropene	100,000	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
Methylene chloride	50	ND<21.2	ND<25.9	ND<27.0	ND<22.6	ND<25.6	ND<27.3	ND<24.3
1,1,2,2-Tetrachloroethane	100,000	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
Tetrachloroethene	1,300	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
1,1,1-Trichloroethane	680	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
1,1,2-Trichloroethane	100,000	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
Trichloroethene	470	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
Trichlorofluormethane	100,000	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
Vinyl Chloride	20	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72

Notes:

1 – Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit;

ND = Not detected, detection limit listed;

NE = No standard established.

Table 14 Cont'd.

Volatile Organic Compounds (VOCs) in Soil Samples; USEPA Method 8260;
collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification						
		TP-14 (1-2')	TP-15 (0-1')	TP-15 (1-2')	TP-16 (0-1')	TP-16 (1-2')	TP-17 (0-1')	TP-20 (0-1')
Volatile Organic Compounds								
Benzene	60	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
Chlorobenzene	1,100	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
Ethylbenzene	1,000	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
Toluene	700	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
m/p-Xylene	260	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
o-Xylene	260	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
Styrene	100,000	ND<21.2	ND<25.9	ND<27.0	ND<22.6	ND<25.6	ND<27.3	ND<24.3
1,2-Dichlorobenzene	1,100	ND<21.2	ND<25.9	ND<27.0	ND<22.6	ND<25.6	ND<27.3	ND<24.3
1,3-Dichlorobenzene	2,400	ND<21.2	ND<25.9	ND<27.0	ND<22.6	ND<25.6	ND<27.3	ND<24.3
1,4-Dichlorobenzene	1,800	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
Acetone	50	ND<42.3	ND<51.7	ND<54.1	ND<45.1	ND<51.2	ND<54.6	ND<48.6
2-Butanone	120	ND<42.3	ND<51.7	ND<54.1	ND<45.1	ND<51.2	ND<54.6	ND<48.6
2-Hexanone	100,000	ND<21.2	ND<25.9	ND<27.0	ND<22.6	ND<25.6	ND<27.3	ND<24.3
4-Methyl-2-pentanone	100,000	ND<21.2	ND<25.9	ND<27.0	ND<22.6	ND<25.6	ND<27.3	ND<24.3
Carbon disulfide	100,000	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
Vinyl acetate	100,000	ND<21.2	ND<25.9	ND<27.0	ND<22.6	ND<25.6	ND<27.3	ND<24.3
n-Butylbenzene	12,000	ND<42.3	ND<51.7	ND<54.1	ND<45.1	ND<51.2	ND<54.6	ND<48.6
sec-Butylbenzene	11,000	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
tert-Butylbenzene	5,900	ND<21.2	ND<25.9	ND<27.0	ND<22.6	ND<25.6	ND<27.3	ND<24.3
n-propylbenzene	3,900	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
Isopropylbenzene	100,000	ND<42.3	ND<51.7	ND<54.1	ND<45.1	ND<51.2	ND<54.6	ND<48.6
p-Isopropyltoluene	100,000	ND<42.3	ND<51.7	ND<54.1	ND<45.1	ND<51.2	ND<54.6	ND<48.6
Naphthalene	100,000	ND<21.2	ND<25.9	ND<27.0	ND<22.6	ND<25.6	ND<27.3	ND<24.3
1,2,4-Trimethylbenzene	3,600	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
1,3,5-Trimethylbenzene	8,400	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72
Methyl tert-butyl ether	930	ND<8.47	ND<10.3	ND<10.8	ND<9.02	ND<10.2	ND<10.9	ND<9.72

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit;

ND = Not detected, detection limit listed;

NE = No standard established.

Table 15. **Semi-Volatile Organic Compounds (SVOCs) in Soil Samples;** USEPA Method 8270; collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification								
		TP-1 (0-1')	TP-2 (0-1')	TP-3 (0-1')	TP-5 (0-1')	TP-10 (0-1')	TP-14 (0-1')	TP-16 (0-1')	TP-17 (0-1')	TP-20 (0-1')
Base Neutrals										
Acenaphthene	20,000	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Anthracene	100,000	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Benzo(a)anthracene	1,000	375	477	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Benzo(a)pyrene	1,000	ND<351	372	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Benzo(b)fluoranthene	1,000	515	503	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Benzo(g,h,i)perylene	100,000	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Benzo(k)fluoranthene	800	ND<351	418	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Chrysene	1,000	410	538	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Diethyl phthalate	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Dimethyl phthalate	NE	ND<879	ND<863	ND<847	ND<821	ND<871	ND<918	ND<825	ND<850	ND<910
Butylbenzylphthalate	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Di-n-butylphthalate	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Di-n-octylphthalate	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Bis(2-ethylhexyl)phthalate	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
2-Chloronapthalene	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Hexachlorobenzene	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Hexachloroethane	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Hexachlorocyclopentadiene	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Hexachlorobutadiene	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
N-Nitroso-di-n-propylamine	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
N-Nitrosodiphenylamine	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
N-Nitrosodimethylamine	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Isophorone	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Benzyl alcohol	NE	ND<879	ND<863	ND<847	ND<821	ND<871	ND<918	ND<825	ND<850	ND<910
Dibenzofuran	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
2-Methylnapthalene	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364

Notes:

1 - Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 15 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Soil Samples; USEPA Method 8270; collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification								
		TP-1 (0-1')	TP-2 (0-1')	TP-3 (0-1')	TP-5 (0-1')	TP-10 (0-1')	TP-14 (0-1')	TP-16 (0-1')	TP-17 (0-1')	TP-20 (0-1')
Base Neutrals										
Dibenz(a,h)anthracene	330	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Fluoranthene	100,000	791	973	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Fluorene	30,000	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Indeno(1,2,3-cd)pyrene	500	508	581	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Napthalene	12,000	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Phenanthrene	100,000	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Pyrene	100,000	640	764	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Acenaphthylene	100,000	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
1,2-Dichlorobenzene	1,100	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
1,3-Dichlorobenzene	2,400	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
1,4-Dichlorobenzene	1,800	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
1,2,4-Trichlorobenzene	3,600	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Nitrobenzene	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
2,4-Dinitrotoluene	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
2,6-Dinitrotoluene	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Bis(2-chloroethyl)ether	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Bis(2-chloroisopropyl)ether	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Bis(2-chlorethoxy)methane	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
4-Bromophenyl phenyl ether	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
4-Chlorophenyl phenyl ether	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Benzidine	NE	ND<879	ND<863	ND<847	ND<821	ND<871	ND<918	ND<825	ND<850	ND<910
3,3'-Dichlorobenzidine	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
4-Chloroaniline	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
2-Nitroaniline	NE	ND<879	ND<863	ND<847	ND<821	ND<871	ND<918	ND<825	ND<850	ND<910
3-Nitroaniline	NE	ND<879	ND<863	ND<847	ND<821	ND<871	ND<918	ND<825	ND<850	ND<910
4-Nitroaniline	NE	ND<879	ND<863	ND<847	ND<821	ND<871	ND<918	ND<825	ND<850	ND<910

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 15 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Soil Samples; USEPA Method 8270; collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification								
		TP-1 (0-1')	TP-2 (0-1')	TP-3 (0-1')	TP-5 (0-1')	TP-10 (0-1')	TP-14 (0-1')	TP-16 (0-1')	TP-17 (0-1')	TP-20 (0-1')
Acids										
Phenol	330	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367 M	ND<330	ND<340	ND<364
2-Chlorophenol	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
2,4-Dichlorophenol	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367 M	ND<330	ND<340	ND<364
2,6-Dichlorophenol	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367 M	ND<330	ND<340	ND<364
2,4,5-Trichlorophenol	NE	ND<879	ND<863	ND<847	ND<821	ND<871	ND<918	ND<825	ND<850	ND<910
2,4,6-Trichlorophenol	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
Pentachlorophenol	800	ND<879	ND<863	ND<847	ND<821	ND<871	ND<918 M	ND<825	ND<850	ND<910
4-Chloro-3-methylphenol	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367 M	ND<330	ND<340	ND<364
2-Methylphenol	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
3&4-Methylphenol	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
2,4-Dimethylphenol	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367 M	ND<330	ND<340	ND<364
2-Nitrophenol	NE	ND<351	ND<345	ND<339	ND<328	ND<348	ND<367	ND<330	ND<340	ND<364
4-Nitrophenol	NE	ND<879	ND<863	ND<847	ND<821	ND<871	ND<918 M	ND<825	ND<850	ND<910
2,4-Dinitrophenol	NE	ND<879	ND<863	ND<847	ND<821	ND<871	ND<918	ND<825	ND<850	ND<910
4,6-Dinitro-2-methylphenol	NE	ND<879	ND<863	ND<847	ND<821	ND<871	ND<918	ND<825	ND<850	ND<910
Benzoic acid	NE	ND<879	ND<863	ND<847	ND<821	ND<871	ND<918	ND<825	ND<850	ND<910

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit;

M = Matrix spike recoveries outside QC limits. Matrix bias indicated.

Table 15 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Soil Samples; USEPA Method 8270; collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		TP-1-2-5-6 (0-1')	TP-5-6-7-8 (1-2')	TP-7-8-11-12 (0-1')	TP-11-12-13-14 (1-2')	TP-13-14-19-20 (0-1')	TP-2-3-4-5 (1-2')	TP-4-5-8-9 (1-2')	TP-8-9-10-11 (1-2')
Base Neutrals									
Acenaphthene	20,000	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Anthracene	100,000	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Benzo(a)anthracene	1,000	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Benzo(a)pyrene	1,000	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Benzo(b)fluoranthene	1,000	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Benzo(g,h,i)perylene	100,000	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Benzo(k)fluoranthene	800	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Chrysene	1,000	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Diethyl phthalate	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Dimethyl phthalate	NE	ND<858	ND<869	ND<879	ND<844	ND<887	ND<830	ND<812	ND<824
Butyl benzyl phthalate	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Di-n-butylphthalate	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Di-n-octylphthalate	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Bis(2-ethylhexyl)phthalate	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
2-Chloronaphthalene	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Hexachlorobenzene	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Hexachloroethane	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Hexachlorocyclopentadiene	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Hexachlorobutadiene	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
N-Nitroso-di-n-propylamine	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
N-Nitrosodiphenylamine	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
N-Nitrosodimethylamine	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Isophorone	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Benzyl alcohol	NE	ND<858	ND<869	ND<879	ND<844	ND<887	ND<830	ND<812	ND<824
Dibenzofuran	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
2-Methylnapthalene	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330

Notes:

1 - Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 15 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Soil Samples; USEPA Method 8270; collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		TP-1-2-5-6 (0-1')	TP-5-6-7-8 (1-2')	TP-7-8-11-12 (0-1')	TP-11-12-13-14 (1-2')	TP-13-14-19-20 (0-1')	TP-2-3-4-5 (1-2')	TP-4-5-8-9 (1-2')	TP-8-9-10-11 (1-2')
Base Neutrals									
Dibenz(a,h)anthracene	330	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Fluoranthene	100,000	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Fluorene	30,000	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Indeno(1,2,3-cd)pyrene	500	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Napthalene	12,000	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Phenanthrene	100,000	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Pyrene	100,000	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Acenaphthylene	100,000	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
1,2-Dichlorobenzene	1,100	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
1,3-Dichlorobenzene	2,400	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
1,4-Dichlorobenzene	1,800	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
1,2,4-Trichlorobenzene	3,600	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Nitrobenzene	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
2,4-Dinitroltoluene	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
2,6-Dinitroltoluene	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Bis(2-chloroethyl)ether	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Bis(2-chloroisopropyl)ether	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Bis(2-chlorethoxy)methane	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
4-Bromophenyl phenyl ether	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
4-Chlorophenyl phenyl ether	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Benzidine	NE	ND<858	ND<869	ND<879	ND<844	ND<887	ND<830	ND<812	ND<824
3,3'-Dichlorobenzidine	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
4-Chloroaniline	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
2-Nitroaniline	NE	ND<858	ND<869	ND<879	ND<844	ND<887	ND<830	ND<812	ND<824
3-Nitroaniline	NE	ND<858	ND<869	ND<879	ND<844	ND<887	ND<830	ND<812	ND<824
4-Nitroaniline	NE	ND<858	ND<869	ND<879	ND<844	ND<887	ND<830	ND<812	ND<824

Notes:

1 - Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 15 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Soil Samples; USEPA Method 8270; collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		TP-1-2-5-6 (0-1')	TP-5-6-7-8 (1-2')	TP-7-8-11-12 (0-1')	TP-11-12-13-14 (1-2')	TP-13-14-19-20 (0-1')	TP-2-3-4-5 (1-2')	TP-4-5-8-9 (1-2')	TP-8-9-10-11 (1-2')
Acids									
Phenol	330	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
2-Chlorophenol	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
2,4-Dichlorophenol	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
2,6-Dichlorophenol	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
2,4,5-Trichlorophenol	NE	ND<858	ND<869	ND<879	ND<844	ND<887	ND<830	ND<812	ND<824
2,4,6-Trichlorophenol	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
Pentachlorophenol	800	ND<858	ND<869	ND<879	ND<844	ND<887	ND<830	ND<812	ND<824
4-Chloro-3-methylphenol	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
2-Methylphenol	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
3&4-Methylphenol	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
2,4-Dimethylphenol	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
2-Nitrophenol	NE	ND<343	ND<347	ND<352	ND<338	ND<355	ND<332	ND<325	ND<330
4-Nitrophenol	NE	ND<858	ND<869	ND<879	ND<844	ND<887	ND<830	ND<812	ND<824
2,4-Dinitrophenol	NE	ND<858	ND<869	ND<879	ND<844	ND<887	ND<830	ND<812	ND<824
4,6-Dinitro-2-methylphenol	NE	ND<858	ND<869	ND<879	ND<844	ND<887	ND<830	ND<812	ND<824
Benzoic acid	NE	ND<858	ND<869	ND<879	ND<844	ND<887	ND<830	ND<812	ND<824

Notes:

1 - Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 15 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Soil Samples; USEPA Method 8270; collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		TP-10-11-14-15 (0-1')	TP-14-15-18-19 (1-2')	TP-15-16-17-18 (0-1')	TP-1-2-3 (1-2')	TP-4-5-6 (1-2')	TP-10-11-12 (1-2')	TP-13-14-15-16 (0-1')	TP-17-18-19-20 (1-2')
Base Neutrals									
Acenaphthene	20,000	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Anthracene	100,000	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Benzo(a)anthracene	1,000	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Benzo(a)pyrene	1,000	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Benzo(b)fluoranthene	1,000	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Benzo(g,h,i)perylene	100,000	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Benzo(k)fluoranthene	800	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Chrysene	1,000	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Diethyl phthalate	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Dimethyl phthalate	NE	ND<875	ND<852	ND<861	ND<851	ND<854	ND<832	ND<888	ND<905
Butyl benzyl phthalate	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Di-n-butylphthalate	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Di-n-octylphthalate	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Bis(2-ethylhexyl)phthalate	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
2-Chloronapthalene	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Hexachlorobenzene	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Hexachloroethane	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Hexachlorcyclopentadiene	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Hexachlorbutadiene	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
N-Nitroso-di-n-propylamine	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
N-Nitrosodiphenylamine	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
N-Nitrosodimethylamine	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Isophorone	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Benzyl alcohol	NE	ND<875	ND<852	ND<861	ND<851	ND<854	ND<832	ND<888	ND<905
Dibenzofuran	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
2-Methylnapthalene	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362

Notes:

1 - Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 15 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Soil Samples; USEPA Method 8270; collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		TP-10-11-14-15 (0-1')	TP-14-15-18-19 (1-2')	TP-15-16-17-18 (0-1')	TP-1-2-3 (1-2')	TP-4-5-6 (1-2')	TP-10-11-12 (1-2')	TP-13-14-15-16 (0-1')	TP-17-18-19-20 (1-2')
Base Neutrals									
Dibenz(a,h)anthracene	330	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Fluoranthene	100,000	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Fluorene	30,000	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Indeno(1,2,3-cd)pyrene	500	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Napthalene	12,000	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Phenanthrene	100,000	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Pyrene	100,000	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Acenaphthylene	100,000	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
1,2-Dichlorobenzene	1,100	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
1,3-Dichlorobenzene	2,400	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
1,4-Dichlorobenzene	1,800	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
1,2,4-Trichlorobenzene	3,600	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Nitrobenzene	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
2,4-Dinitroltoluene	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
2,6-Dinitroltoluene	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Bis(2-chloroethyl)ether	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Bis(2-chloroisopropyl)ether	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Bis(2-chlorethoxy)methane	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
4-Bromophenyl phenyl ether	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
4-Chlorophenyl phenyl ether	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Benzidine	NE	ND<875	ND<852	ND<861	ND<851	ND<854	ND<823	ND<888	ND<905
3,3'-Dichlorobenzidine	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
4-Chloroaniline	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
2-Nitroaniline	NE	ND<875	ND<852	ND<861	ND<851	ND<854	ND<832	ND<888	ND<905
3-Nitroaniline	NE	ND<875	ND<852	ND<861	ND<851	ND<854	ND<832	ND<888	ND<905
4-Nitroaniline	NE	ND<875	ND<852	ND<861	ND<851	ND<854	ND<832	ND<888	ND<905

Notes:

1 - Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 15 Cont'd.

Semi-Volatile Organic Compounds (SVOCs) in Soil Samples; USEPA Method 8270; collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		TP-10-11-14-15 (0-1')	TP-14-15-18-19 (1-2')	TP-15-16-17-18 (0-1')	TP-1-2-3 (1-2')	TP-4-5-6 (1-2')	TP-10-11-12 (1-2')	TP-13-14-15-16 (0-1')	TP-17-18-19-20 (1-2')
Acids									
Phenol	330	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
2-Chlorophenol	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
2,4-Dichlorophenol	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
2,6-Dichlorophenol	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
2,4,5-Trichlorophenol	NE	ND<875	ND<852	ND<861	ND<851	ND<854	ND<832	ND<888	ND<905
2,4,6-Trichlorophenol	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
Pentachlorophenol	800	ND<875	ND<852	ND<861	ND<851	ND<854	ND<832	ND<888	ND<905
4-Chloro-3-methylphenol	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
2-Methylphenol	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
3&4-Methylphenol	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
2,4-Dimethylphenol	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
2-Nitrophenol	NE	ND<350	ND<341	ND<344	ND<340	ND<342	ND<333	ND<355	ND<362
4-Nitrophenol	NE	ND<875	ND<852	ND<861	ND<851	ND<854	ND<832	ND<888	ND<905
2,4-Dinitrophenol	NE	ND<875	ND<852	ND<861	ND<851	ND<854	ND<832	ND<888	ND<905
4,6-Dinitro-2-methylphenol	NE	ND<875	ND<852	ND<861	ND<851	ND<854	ND<832	ND<888	ND<905
Benzoic acid	NE	ND<875	ND<852	ND<861	ND<851	ND<854	ND<832	ND<888	ND<905

Notes:

1 - Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg (ppb) unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;

NE = No standard established;

MDL = Method Detection Limit.

Table 16. **Priority Pollutant Metals and Hexavalent Chromium in Soil Samples; USEPA Method 6010, 7471, and 7196A MOD; collected December 1, 2009; 67 South Plank Road, Newburgh, New York; File #160556**

Chemical Constituent	NYSDEC Limit ¹	TP-1 (0-1')	TP-2 (0-1')	TP-3 (0-1')	TP-5 (0-1')	TP-10 (0-1')	TP-14 (0-1')	TP-16 (0-1')	TP-17 (0-1')	TP-20 (0-1')
Inorganic Parameters										
Antimony	NE	<5.22	<7.20	<6.80	<5.37	<4.79	<4.23	<5.84	<6.24	<6.90
Arsenic	13	7.39	6.58	8.11	6.62	6.52	5.75	4.94	6.99	5.55
Beryllium	7.2	0.734	0.632	0.662	0.574	0.599	0.612	0.565	0.601	0.647
Cadmium	2.5	0.937	0.656	0.712	0.633	0.700	0.677	0.581	0.701	0.670
Chromium	30	19.9	18.0	19.3	18.4	18.9	17.9	17.4	20.2	18.2
Copper	50	23.6	23.3	23.6	19.8	21.5	18.3	16.7	20.8	20.1
Lead	63	50.6	24.2	16.8	20.7	15.6	16.8	14.5	17.6	27.8
Mercury	0.18	0.114	0.0585	0.0350	0.0438	0.0407	0.0334	0.0406	0.0343	0.0662
Nickel	30	20.7	19.8	28.3	22.0	22.9	21.1	20.6	25.1	20.4
Selenium	3.9	<0.435	<0.600	<0.566	<0.448	<0.400	<0.352	<0.487	<0.519	<0.576
Silver	2	<0.870	<1.20	<1.13	<0.895	<0.800	<0.704	<0.973	<1.04	<1.15
Thallium	NE	<0.522	<0.720	<0.680	<0.537	<0.479	<0.423	<0.584	<0.624	<0.690
Zinc	109	103	93.6	83.7	84.2	80.0	72.9	77.9	67.5	111
Hexavalent Chromium	13	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in mg/kg unless otherwise indicated;

NE = No standard established;

ND = analyzed for but not detected, detection limit listed;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit.

Table 16 Cont'd.

Priority Pollutant Metals and Hexavalent Chromium in Soil Samples;
 USEPA Method 6010, 7471, and 7196A MOD;
 collected **December 1, 2009**; 67 South Plank Road, Newburgh, New York;
 File #160556

Chemical Constituent	NYSDEC Limit ¹	TP-1-2-5-6 (0-1')	TP-5-6-7-8 (1-2')	TP-7-8-11-12 (0-1')	TP-11-12-13-14 (1-2')	TP-13-14-19-20 (0-1')	TP-2-3-4-5 (1-2')	TP-4-5-8-9 (1-2')	TP-8-9-10-11 (1-2')
Inorganic Parameters									
Antimony	NE	<4.38	<5.12	<5.25	<4.24	<.45	<5.72	<3.68	<6.03
Arsenic	13	5.71	8.02	5.61	6.28	5.77	5.96	6.07	6.57
Beryllium	7.2	0.634	0.811	0.662	0.568	0.611	0.559	0.575	0.626
Cadmium	2.5	0.668	0.740	0.761	0.608	0.640	0.592	0.608	0.623
Chromium	30	18.5	22.2	18.7	18.2	17.0	18.1	19.2	20.1
Copper	50	21.6	24.6	19.2	25.8	19.1	20.9	26.2	25.8
Lead	63	22.8	15.0	29.4	11.8	22.6	10.7	9.55	12.3
Mercury	0.18	0.0532	0.0322	0.0553	0.0316	0.0490	0.0307	0.0327	0.0314
Nickel	30	20.4	24.5	20.8	23.5	19.6	21.5	23.5	24.3
Selenium	3.9	<0.365	<0.427	<0.438	<0.353	<0.454	<0.477	<0.307	<0.503
Silver	2	<0.730	<0.852	<0.875	<0.706	<0.907	<0.953	<0.613	<1.01
Thallium	NE	<0.438	<0.512	<0.525	<0.424	<0.545	<0.572	<0.368	<0.603
Zinc	109	88.4	76.8	81.8	58.6	83.7	63.2	57.1	58.4
Hexavalent Chromium	13	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in mg/kg unless otherwise indicated;

NE = No standard established;

ND = analyzed for but not detected, detection limit listed;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit.

Table 16 Cont'd.

Priority Pollutant Metals and Hexavalent Chromium in Soil Samples;
 USEPA Method 6010, 7471, and 7196A MOD;
 collected **December 1, 2009**; 67 South Plank Road, Newburgh, New York;
 File #160556

Chemical Constituent	NYSDEC Limit ¹	TP-10-11-14-15 (0-1')	TP-14-15-18-19 (1-2')	TP-15-16-17-18 (0-1')	TP-1-2-3 (1-2')	TP-4-5-6 (1-2')	TP-10-11-12 (1-2')	TP-13-14-15-16 (0-1')	TP-17-18-19-20 (1-2')
Inorganic Parameters									
Antimony	NE	<4.74	<7.17	<.06	<5.14	<4.06	<5.37	<5.20	<5.68
Arsenic	13	5.91	8.00	5.28	8.00	7.97	6.78	5.77	6.74 D
Beryllium	7.2	0.602	0.675	0.548	0.739	0.703	0.580	0.607	0.704 M
Cadmium	2.5	0.673	0.683	0.549	0.728	0.741	0.643	0.635	0.773 D,M
Chromium	30	18.5	20.0	17.7	20.8	20.7	17.9	17.2	22.2 D,M
Copper	50	20.5	27.6	17.3	29.3	24.3	25.4	18.8	24.2
Lead	63	15.1	13.2	15.1	15.4	14.1	14.1	19.2	15.2 M
Mercury	0.18	0.0445	0.0274	0.0368	0.0474	0.0320	0.0297	0.0488	0.0338 D,M
Nickel	30	21.2	25.7	21.4	25.9	24.3	22.5	20.6	26.1
Selenium	3.9	<0.396	<0.597	<0.422	<0.428	<0.338	<0.448	<0.434	<0.474
Silver	2	<0.790	<1.19	<0.844	<0.855	<0.677	<0.897	<0.867	<0.947
Thallium	NE	<0.474	<0.669	<0.506	<0.514	<0.406	<0.537	<0.520	<0.568 M
Zinc	109	76.5	61.8	69.8	67.3	69.8	60.3	75.7	79.5 D,M
Hexavalent Chromium	13	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4	ND<0.4

Notes:

1 – Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in mg/kg unless otherwise indicated;

NE = No standard established;

ND = analyzed for but not detected, detection limit listed;

D = Duplicate results outside QC limits. May indicate a non-homogeneous matrix;

M = Matrix spike recoveries outside QC limits. Matrix bias indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit.

Table 17. **PCBs in Soil Samples;**
collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification								
		TP-1 (0-1')	TP-2 (0-1')	TP-3 (0-1')	TP-5 (0-1')	TP-10 (0-1')	TP-14 (0-1')	TP-16 (0-1')	TP-17 (0-1')	TP-20 (0-1')
Aroclor 1016	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1221	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1232	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1242	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1248	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1254	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1260	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
TOTAL PCBs	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in mg/kg, unless otherwise indicated;

ND = Not detected, detection limit listed;

NE = Not Established;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC guidance.

Table 17 Cont'd.

PCBs in Soil Samples;

collected **December 1, 2009**; 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		TP-1-2-5-6 (0-1')	TP-5-6-7-8 (1-2')	TP-7-8-11-12 (0-1')	TP-11-12-13-14 (1-2')	TP-13-14-19-20 (0-1')	TP-2-3-4-5 (1-2')	TP-4-5-8-9 (1-2')	TP-8-9-10-11 (1-2')
Aroclor 1016	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1221	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1232	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1242	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1248	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1254	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1260	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
TOTAL PCBs	0.1	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in mg/kg, unless otherwise indicated;

ND = Not detected, detection limit listed;

NE = Not Established;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC guidance.

Table 17 Cont'd.

PCBs in Soil Samples;

collected **December 1, 2009**; 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		TP-10-11-14-15 (0-1')	TP-14-15-18-19 (1-2')	TP-15-16-17-18 (0-1')	TP-1-2-3 (1-2')	TP-4-5-6 (1-2')	TP-10-11-12 (1-2')	TP-13-14-15-16 (0-1')	TP-17-18-19-20 (1-2')
Aroclor 1016	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1221	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1232	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1242	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1248	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1254	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
Aroclor 1260	NE	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300	ND<0.300
TOTAL PCBs	0.1	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in mg/kg, unless otherwise indicated;

ND = Not detected, detection limit listed;

NE = Not Established;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC guidance.

Table 18. **Pesticides in Soil Samples;** USEPA Method 8081;
collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification								
		TP-1 (0-1')	TP-2 (0-1')	TP-3 (0-1')	TP-5 (0-1')	TP-10 (0-1')	TP-14 (0-1')	TP-16 (0-1')	TP-17 (0-1')	TP-20 (0-1')
Aldrin	5	ND<3.54	ND<3.47	ND<3.37	ND<3.28	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
alpha-BHC	20	ND<3.54	ND<3.47	ND<3.37	ND<3.28	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
beta-BHC	36	ND<3.54	ND<3.47	ND<3.37	ND<3.28	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
delta-BHC	40	ND<3.54	ND<3.47	ND<3.37	ND<3.28	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
gamma-BHC	NE	ND<3.54	ND<3.47	ND<3.37	ND<3.28	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
alpha-Chlordane	20	23.8	27.7	ND<3.37	8.40	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
gamma-Chlordane	NE	17.4	7.69	ND<3.37	8.56	4.92	6.10	1.59	14.4	ND<3.63
4,4'-DDD	3.3	6.93 *	9.29 *	8.10 *	10.6	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
4,4'-DDE	3.3	ND<3.54	ND<3.47	ND<3.37	ND<3.28	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
4,4'-DDT	3.3	6.21	9.65	ND<3.37	ND<3.28	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
Dieldrin	5	ND<3.54	ND<3.47	ND<3.37	ND<3.28	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
Endosulfan I	2,400	ND<3.54	ND<3.47	ND<3.37	ND<3.28	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
Endosulfan II	2,400	ND<3.54	ND<3.47	ND<3.37	ND<3.28	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
Endosulfan Sulfate	2,400	53.9 *	10.2 *	ND<3.37	32.1	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
Endrin	14	6.06	7.94	ND<3.37	ND<3.28	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
Endrin Aldehyde	NE	6.80	7.29	ND<3.37	ND<3.28	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
Heptachlor	42	ND<3.54	ND<3.47	ND<3.37	ND<3.28	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
Heptachlor Epoxide	NE	ND<3.54	ND<3.47	ND<3.37	ND<3.28	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
Methoxychlor	NE	ND<3.54	ND<3.47	ND<3.37	ND<3.28	ND<3.51	ND<3.68	ND<3.32	ND<3.39	ND<3.63
Toxaphene	NE	ND<177	ND<174	ND<168	ND<164	ND<176	ND<184	ND<166	ND<170	ND<181

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg, unless otherwise indicated;

ND = Not detected, detection limit listed;

NE = Not Established;

* = Sample result differs by more than 40% between primary and secondary columns;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC guidance.

Table 18 Cont'd.

Pesticides in Soil Samples; USEPA Method 8081;
collected **December 1, 2009;** 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		TP-1-2-5-6 (0-1')	TP-5-6-7-8 (1-2')	TP-7-8-11-12 (0-1')	TP-11-12-13-14 (1-2')	TP-13-14-19-20 (0-1')	TP-2-3-4-5 (1-2')	TP-4-5-8-9 (1-2')	TP-8-9-10-11 (1-2')
Aldrin	5	ND<3.46	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
alpha-BHC	20	ND<3.46	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
beta-BHC	36	ND<3.46	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
delta-BHC	40	ND<3.46	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
gamma-BHC	NE	ND<3.46	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
alpha-Chlordane	20	15.9	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
gamma-Chlordane	NE	ND<3.46	6.05	3.77	ND<3.39	3.75	ND<3.31	3.49	22.9 M
4,4'-DDD	3.3	6.06	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
4,4'-DDE	3.3	ND<3.46	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
4,4'-DDT	3.3	4.11	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
Dieldrin	5	ND<3.46	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
Endosulfan I	2,400	ND<3.46	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
Endosulfan II	2,400	ND<3.46	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
Endosulfan Sulfate	2,400	44.1 *	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
Endrin	14	ND<3.46	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
Endrin Aldehyde	NE	ND<3.46	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
Heptachlor	42	ND<3.46	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
Heptachlor Epoxide	NE	ND<3.46	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
Methoxychlor	NE	ND<3.46	ND<3.47	ND<3.52	ND<3.39	ND<3.54	ND<3.31	ND<3.26	ND<3.30
Toxaphene	NE	ND<173	ND<174	ND<176	ND<170	ND<177	ND<165	ND<163	ND<165

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg, unless otherwise indicated;

ND = Not detected, detection limit listed;

NE = Not Established;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC guidance.

Table 18 Cont'd.

Pesticides in Soil Samples; USEPA Method 8081;
collected **December 1, 2009**; 67 South Plank Road, Newburgh, New York;
File #160556

Chemical Constituent	NYSDEC Limit ¹	Sample Identification							
		TP-10-11-14-15 (0-1')	TP-14-15-18-19 (1-2')	TP-15-16-17-18 (0-1')	TP-1-2-3 (1-2')	TP-4-5-6 (1-2')	TP-10-11-12 (1-2')	TP-13-14-15-16 (0-1')	TP-17-18-19-20 (1-2')
Aldrin	5	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
alpha-BHC	20	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
beta-BHC	36	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
delta-BHC	40	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
gamma-BHC	NE	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
alpha-Chlordane	20	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
gamma-Chlordane	NE	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
4,4'-DDD	3.3	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
4,4'-DDE	3.3	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
4,4'-DDT	3.3	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
Dieldrin	5	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
Endosulfan I	2,400	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
Endosulfan II	2,400	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
Endosulfan Sulfate	2,400	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
Endrin	14	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
Endrin Aldehyde	NE	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
Heptachlor	42	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
Heptachlor Epoxide	NE	ND<3.48	ND<3.40	ND<3.43	ND<3.44	ND<3.44	ND<3.36	ND<3.56	ND<3.56
Methoxychlor	NE	ND<3.48	ND<3.40	ND<3.43	3.74 *	ND<3.44	ND<3.36	ND<3.56	ND<3.56
Toxaphene	NE	ND<174	ND<170	ND<172	ND<172	ND<172	ND<168	ND<178	ND<178

Notes:

1 - Standards are for soils according NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

All concentrations are in ug/kg, unless otherwise indicated;

ND = Not detected, detection limit listed;

NE = Not Established;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC guidance.

Table 19. **Metals in Groundwater Samples; USEPA Methods SW 846: 6010, 7470;**
collected **November 2009 to July 2015**; F&T Darrigo, 67 South Plank Road, Newburgh, New York;
PVE Sheffler File #560566

Sample Identification	Date Sampled	Arsenic (0.025 ¹)	Barium (1.000 ¹)	Cadmium (0.005 ¹)	Chromium (0.050 ¹)	Copper (0.200 ¹)	Nickel (0.100 ¹)	Lead (0.025 ¹)	Zinc (NE ¹)	Mercury (0.0007 ¹)
GWFT-1	11/6/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/2010	0.007	0.082	ND<0.005	ND<0.005	0.012	ND<0.040	ND<0.005	ND<0.020	ND<0.0002
	12/8/2010	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)	NS (Dry)
	3/29/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	6/23/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	NS
	12/29/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	6/29/2012	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	5/30/2013	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	7/17/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/7/2015	NS	NS	NS	NS	NS	NS	NS	NS	NS
GWFT-2R	11/6/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/23/2010	ND<0.005	0.050	ND<0.005	ND<0.005	ND<0.010	ND<0.040	ND<0.005	ND<0.020	ND<0.0002
	12/8/2010	ND<0.005	0.053	ND<0.005	ND<0.005	ND<0.010	ND<0.040	ND<0.005	ND<0.020	ND<0.0002
	3/29/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	6/23/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	NS
	12/29/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	6/29/2012	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	5/30/2013	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	7/17/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/7/2015	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-3	11/6/2009	ND<0.005	ND<0.020	ND<0.005	ND<0.010	ND<0.010	ND<0.040	ND<0.005	ND<0.020	ND<0.0002
	9/23/2010	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.040	ND<0.005	ND<0.020	ND<0.0002
	12/8/2010	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.040	ND<0.005	ND<0.020	ND<0.0002
	3/29/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	6/23/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	NS
	12/29/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	6/29/2012	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	5/30/2013	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	7/17/2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/7/2015	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	11/6/2009	ND<0.005	ND<0.020	ND<0.005	ND<0.010	ND<0.010	ND<0.040	ND<0.005	ND<0.020	ND<0.0002
	9/23/2010	ND<0.005	0.023	ND<0.005	ND<0.005	ND<0.010	0.124	ND<0.005	ND<0.020	ND<0.0002
	12/8/2010	ND<0.005	ND<0.020	ND<0.005	ND<0.005	ND<0.010	ND<0.040	ND<0.005	ND<0.020	ND<0.0002
	3/29/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	6/23/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	NS
	12/29/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	6/29/2012	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	5/30/2013	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	7/17/2014	ND<0.010	ND<0.200	ND<0.005	ND<0.007	ND<0.025	ND<0.040	ND<0.0053	ND<0.020	ND<0.0002
	8/7/2015	ND<0.010	ND<0.200	ND<0.005	ND<0.007	ND<0.025	ND<0.040	0.0051	ND<0.020	ND<0.0002
MW-5	11/6/2009	0.005	0.065	ND<0.005	ND<0.010	ND<0.010	ND<0.040	ND<0.005	ND<0.020	ND<0.0002
	9/23/2010	ND<0.005	0.063	ND<0.005	ND<0.005	ND<0.010	ND<0.040	ND<0.005	ND<0.020	ND<0.0002
	12/8/2010	ND<0.005	0.057	ND<0.005	ND<0.005	ND<0.010	ND<0.040	ND<0.005	ND<0.020	ND<0.0002
	3/29/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	6/23/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	NS
	12/29/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND>0.040	ND<0.060	ND<0.060	ND<0.0002
	6/29/2012	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	5/28/2013	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	7/17/2014	ND<0.010	ND<0.200	ND<0.005	ND<0.007	ND<0.025	ND<0.040	ND<0.005	ND<0.020	ND<0.0002
	8/7/2015	ND<0.010	ND<0.200	ND<0.005	ND<0.007	ND<0.025	ND<0.040	ND<0.005	ND<0.020	ND<0.0002
MW-6	11/6/2009	ND<0.005	0.061	ND<0.005	ND<0.010	ND<0.010	ND<0.040	ND<0.005	ND<0.020	ND<0.0002
	9/23/2010	ND<0.005	0.066	ND<0.005	ND<0.005	ND<0.010	ND<0.040	ND<0.005	ND<0.020	ND<0.0002
	12/8/2010	ND<0.005	0.062	ND<0.005	ND<0.005	ND<0.010	ND<0.040	ND<0.005	ND<0.020	ND<0.0002
	3/29/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	6/23/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	NS
	12/29/2011	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	6/29/2012	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	5/28/2013	ND<0.010	ND<0.100	ND<0.005	ND<0.010	ND<0.025	ND<0.040	ND<0.010	ND<0.060	ND<0.0002
	7/17/2014	ND<0.010	ND<0.200	ND<0.005	ND<0.007	ND<0.025	ND<0.040	ND<0.005	ND<0.020	ND<0.0002
	8/7/2015	ND<0.010	ND<0.200	ND<0.005	ND<0.007	ND<0.025	ND<0.040	0.0059	ND<0.020	ND<0.0002

Notes:

1 – Standards are for Class GA groundwater according to 6NYCRR Part 700-705;

All concentrations are in mg/l unless otherwise indicated;

Boldface type designates those compounds detected at concentrations exceeding NYSDEC Limit;

NS = Not sampled;

ND = Not detected, detection limit listed;

NE = No standard established.



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GOSHEN, NEW YORK 10924

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Cash ___
Charge ___
No Fee ___

Comment: See Survey map Unit 1, Drawn 12

STATE OF NEW YORK (COUNTY OF ORANGE) SS:
I, ANN G. RABBITT, COUNTY CLERK AND CLERK OF THE
SUPREME AND COUNTY COURTS, ORANGE COUNTY, DO
HEREBY CERTIFY THAT I HAVE COMPARED THIS COPY WITH
THE ORIGINAL THEREOF FILED OR RECORDED IN MY OFFICE
ON March 30, 2016 AND THE SAME IS A CORRECT
TRANSCRIPT THEREOF. IN WITNESS WHEREOF, I HAVE
HEREUNTO SET MY HAND AND AFFIXED MY OFFICIAL SEAL.

Ann G. Rabbitt May 20, 2016
COUNTY CLERK & CLERK OF THE SUPREME COUNTY COURTS,
ORANGE COUNTY

Ann G. Rabbitt

Ann G. Rabbitt
Orange County Clerk

Record and Return To:

DANIEL DARRIGO
84 LAKESIDE RD
NEWBURGH, NY 12550

86
1
96

**DECLARATION of COVENANTS and RESTRICTIONS
and
GRANT OF ACCESS**

THIS COVENANT is made the 26 day of March 2016, by Carl Darrigo, as Trustee of the Frank Darrigo Trust dated the 30th day of March 2001, as amended (the "Trust"), a trust under the laws of the State of New York, with an office located 67 South Plank Road, Newburgh, NY 12550.

WHEREAS, the Trust is the owner real property located on Lakeside Road in the Town of Newburgh, County of Orange, State of New York, which is part of lands conveyed by Frank Darrigo in his individual capacity to Frank Darrigo, as Trustee under the Frank Darrigo Revocable Trust by deed dated the 30th day of March 2001 and recorded in the Orange County Clerk's Office on May 10, 2001 in Book 5519 of Deeds at Page 246 and being more particularly described in Appendix "A," attached to this declaration and made a part hereof, and hereinafter referred to as "the Property"; and

WHEREAS, the F&T Darrigo Site, an approximate 8-acre portion of the Property (the "Site"), is the subject of an Order on Consent executed by Frank T. Darrigo, now deceased, in his capacity as the original Trustee of the Trust, as part of the New York State Department of Environmental Conservation's (the "Department's") State Superfund Program; and

WHEREAS, the Department approved a remedy to eliminate or mitigate all significant threats to the environment presented by the contamination disposed at the Site and such remedy requires that a 3.03-acre portion of the Property where contamination remains be subject to restrictive covenants, hereinafter referred to as the "Restricted Area" and also described in Appendix "A".

WHEREAS, Darrigo Bros Landscape Suppliers, Inc. (the "Lessee"), a New York corporation, with offices located at 84 Lakeside Road, Newburgh, NY, is the long-term leasee of the Property pursuant to an unrecorded lease dated September 1, 2004.

WHEREAS, the Restricted Area is land-locked with no access from a public road.

NOW, THEREFORE, Daniel Darrigo, as President of Darrigo Bros. Landscape Supplies, Inc., the Lessee, for itself, its successors and/or assigns and/or sublessees acknowledges and consents to the grant of ingress and egress access to the Restricted Area as described below; and Carl Darrigo, as the successor Trustee for the Trust, for itself and its successors and/or assigns, covenants the following:

First, the Property and the Restricted Area which is subject to this Declaration of Covenants and Restrictions are as shown on a survey map attached to this declaration as Appendix "B" and made a part hereof.

Second, unless prior written approval by the Department or, if the Department shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as "the Relevant Agency," is first obtained, where contamination remains at the Restricted Area subject to the provisions of the Site Management Plan ("SMP"), there shall be no construction, use or occupancy of the Property that results in the disturbance or excavation of the Property which threatens the integrity of the engineering controls or which results in unacceptable human exposure to contaminated soils.

Third, the owner of the Property shall not disturb, remove, or otherwise interfere with the installation, use, operation, and maintenance of engineering controls required for the Remedy at the Restricted Area, which are described in the SMP, unless in each instance the owner first obtains a written waiver of such prohibition from the Department or Relevant Agency.

Fourth, the owner of the Property shall prohibit the Restricted Area from ever being used for purposes other than for Commercial or Industrial use without the express written waiver of such prohibition by the Department or Relevant Agency.

Fifth, the owner of the Property shall prohibit the use of the groundwater underlying the Restricted Area without treatment rendering it safe for drinking water or industrial purposes, as appropriate, unless the user first obtains permission to do so from the Department or Relevant Agency.

Sixth, the owner of the Property shall provide a periodic certification, prepared and submitted by a professional engineer or environmental professional acceptable to the Department or Relevant Agency, which will certify that the institutional and engineering controls put in place are unchanged from the previous certification, comply with the SMP, and have not been impaired.

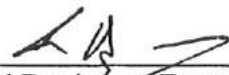
Seventh, the owner of the Property shall continue in full force and effect any institutional and engineering controls required for the Remedy and maintain such controls, unless the owner first obtains permission to discontinue such controls from the Department or Relevant Agency, in compliance with the approved SMP, which is incorporated and made enforceable hereto subject to modifications as approved by the Department or Relevant Agency.

Eight, the owner of the Property shall allow the Department or Relevant Agency ingress and egress to the Restricted Area via the route as described in Appendix "B". However, the owner of the Property with the agreement of the Lessee may reasonably modify the route.

Ninth, this Declaration is and shall be deemed a covenant that shall run with the land and shall be binding upon all future owners of the Property, and shall provide that the owner and its successors and assigns consent to enforcement by the Department or Relevant Agency of the prohibitions and restrictions that Paragraph X of the Order requires to be recorded, and hereby covenant not to contest the authority of the Department or Relevant Agency to seek enforcement.

Tenth, any deed of conveyance of the Property, or any portion thereof, shall recite, unless the Department or Relevant Agency has consented to the termination of such covenants and restrictions and access, that said conveyance is subject to this Declaration of Covenants and Restrictions and the Grant of Access.

IN WITNESS WHEREOF, the undersigned has executed this instrument the day written below.



Carl Darrigo, as Trustee of
Frank Darrigo Revocable Trust

STATE OF NEW YORK)
)
COUNTY OF ORANGE) ss.:

On the 26TH day of MARCH, in the year 2016, before me, the undersigned, personally appeared Carl Darrigo, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

LOUIS P. FORTUNATO
Notary Public, State of New York
Qualified in Orange County
Reg. No. 01F04691528
Term Expires 12/31/2017

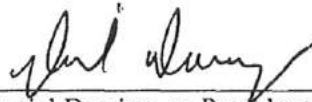


Notary Public State of New York

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Acknowledgement and Consent to of Grant of Access

The Lessee hereby acknowledges and consents to the grant of access by the Trust and binds itself, its successors, assigns and sub-lessees.



Daniel Darrigo, as President of
Darrigo Bros. Landscape, Inc.,
Lessee of Property

STATE OF NEW YORK)
)
COUNTY OF ORANGE)

ss.:

On the 26TH day of MARCH, in the year 2016, before me, the undersigned, personally appeared Daniel Darrigo, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.


Notary Public State of New York

LOUIS P. FORTUNATO
Notary Public, State of New York
Qualified in Orange County
Reg. No. 01F04691528
Term Expires 12/31/2017

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Appendix "A"

Property Description

All that certain parcel of land situate, lying, and being in the Town of Newburgh, County of Orange, State of New York and being more particularly bounded and described as follows:

Beginning at a point in Lakeside Road, said point being South 18 degrees 17 minutes 58 seconds West 212.28 feet from an iron pipe found at the southwesterly corner of lands reputedly of Darrigo as described on page 67 of liber of deeds 11828; Thence from said point, and along lands reputedly of Darrigo as described on page 71 of liber of deeds 4985 South 82 degrees 31 minutes 18 seconds East 748.79 feet to a point; Thence continuing along lands of Darrigo North 05 degrees 58 minutes 42 seconds East 208.77 feet to a point; Thence along aforementioned lands of Darrigo as described on page 67 of liber of deeds 11828 South 82 degrees 31 minutes 27 seconds East 25.06 feet; Thence continuing along lands of Darrigo and partly along a stone wall North 15 degrees 04 minutes 36 seconds East 548.52 feet to the southeast corner of lands reputedly of Peel as described on page 137 of liber of deeds 6208, said point being 10.8 feet northeast of an iron pipe found in the stone wall; Thence continuing along the stonewall North 14 degrees 12 minutes 20 seconds East 404.00 feet to a point in the southerly line of Patton Road, said point being 0.48 feet from an iron pipe found in the stone wall; Thence along Patton Road and Meadow Hill Road South 79 degrees 18 minutes 42 seconds East 613.34 feet to a point at the northwesterly corner of lands reputedly of Darrigo as described on page 1268 of liber of deeds 12152; Thence along Darrigo South 15 degrees 16 minutes 49 seconds West 292.03 feet, South 74 degrees 43 minutes 11 seconds East 230.00 feet, and North 15 degrees 16 minutes 49 seconds East 106.03 feet; Thence along lands reputedly of Brown as described on page 253 of liber of deeds 5122 and Maxwell as described on page 105 of liber of deeds 5140 South 74 degrees 43 minutes 11 seconds East 221.30 feet to an iron rod found; Thence North 15 degrees 16 minutes 49 seconds East 186.00 feet to an iron rod found on the southerly line of Meadow Hill Road; Thence along Meadow Hill Road South 74 degrees 43 minutes 11 seconds East 50.00 feet to an iron rod found; thence along lands reputedly of Craig as described on page 874 of liber of deeds 11134 South 15 degrees 16 minutes 49 seconds West 227.90 feet to an iron rod found; Thence continuing along lands of Craig, passing over an iron pin found and along lands reputedly of Friedman as described on page 985 of liber of deeds 11721 North 86 degrees 50 minutes 49 seconds East 198.89 feet; Thence along same and passing over two iron rods found at lands reputedly of Tirado as described on page 30 of liber of deeds 5037 and lands reputedly of Viera as described on page 883 of liber of deeds 12954 South 52 degrees 59 minutes 41 seconds East 202.40 feet to a point in a stone wall; Thence along the stone wall and lands reputedly of Moulton as described on page 183 of liber of deeds 2309 South 18 degrees 10 minutes 39 seconds West 92.11 feet; Thence continuing along the stone wall and along reputed lands of Cruz (Li. 12753 Pg. 427), Schoonmaker (Li. 12351 Pg. 46), and Hagan (Li. 3810 Pg. 318) South 18 degrees 11 minutes 48 seconds West 382.07 feet; Thence continuing along the stone wall, passing over four iron rods found, and lands reputedly of Cooper (Li. 3664 Pg. 301), Colley (Li. 3720 Pg. 268), Town of Newburgh (Li. 5639 Pg. 179), Marino (Li. 12762 Pg. 1949), Alexander (Li. 11860 Pg. 374), and Flournoy (Li. 11835 Pg. 85) to a concrete monument found, said monument being 5.96 feet from a granite monument found; Thence along lands reputedly of the People of the State of New York (Interstate 64) the

following; North 64 degrees 11 minutes 06 seconds West 156.94 feet to a granite monument; North 75 degrees 03 minutes 15 seconds West 558.61 feet; North 80 degrees 27 minutes 29 seconds West and passing over a granite monument found 868.92 feet; South 80 degrees 10 minutes 48 seconds West and passing over a granite monument found 881.67 feet; South 72 degrees 44 minutes 10 seconds West 421.17 feet to a granite monument found; South 51 degrees 27 minutes 00 seconds West and passing over a granite monument found 139.19 feet to a granite monument found; South 68 degrees 56 minutes 24 seconds West and passing over a granite monument found 208.98 feet to a granite monument found; Thence along lands reputedly of Costubbs LLC as described on page 186 of Liber of deeds 4679 North 19 degrees 28 minutes 36 seconds East 127.42 feet to the southerly line of Lakeside Road; Thence along the southerly line of Lakeside Road North 61 degrees 35 minutes 47 seconds East 144.78 feet, North 51 degrees 04 minutes 05 seconds East 98.92 feet to a granite monument found, North 25 degrees 10 minutes 45 seconds East 123.27 feet to a point in the center of Lakeside Road; Thence generally along the center of Lakeside Road the North 52 degrees 46 minutes 37 seconds East 173.69 feet, North 58 degrees 08 minutes 52 seconds East 304.98 feet, North 64 degrees 05 minutes 27 seconds East 159.81 feet, North 62 degrees 43 minutes 45 seconds East 118.36 feet and along a curve to the left having a radius of 334.70 feet and an arc length of 162.82 feet to the point or place of beginning.

Subject to any easements or agreements of record including but not limited to those which appear on this map.

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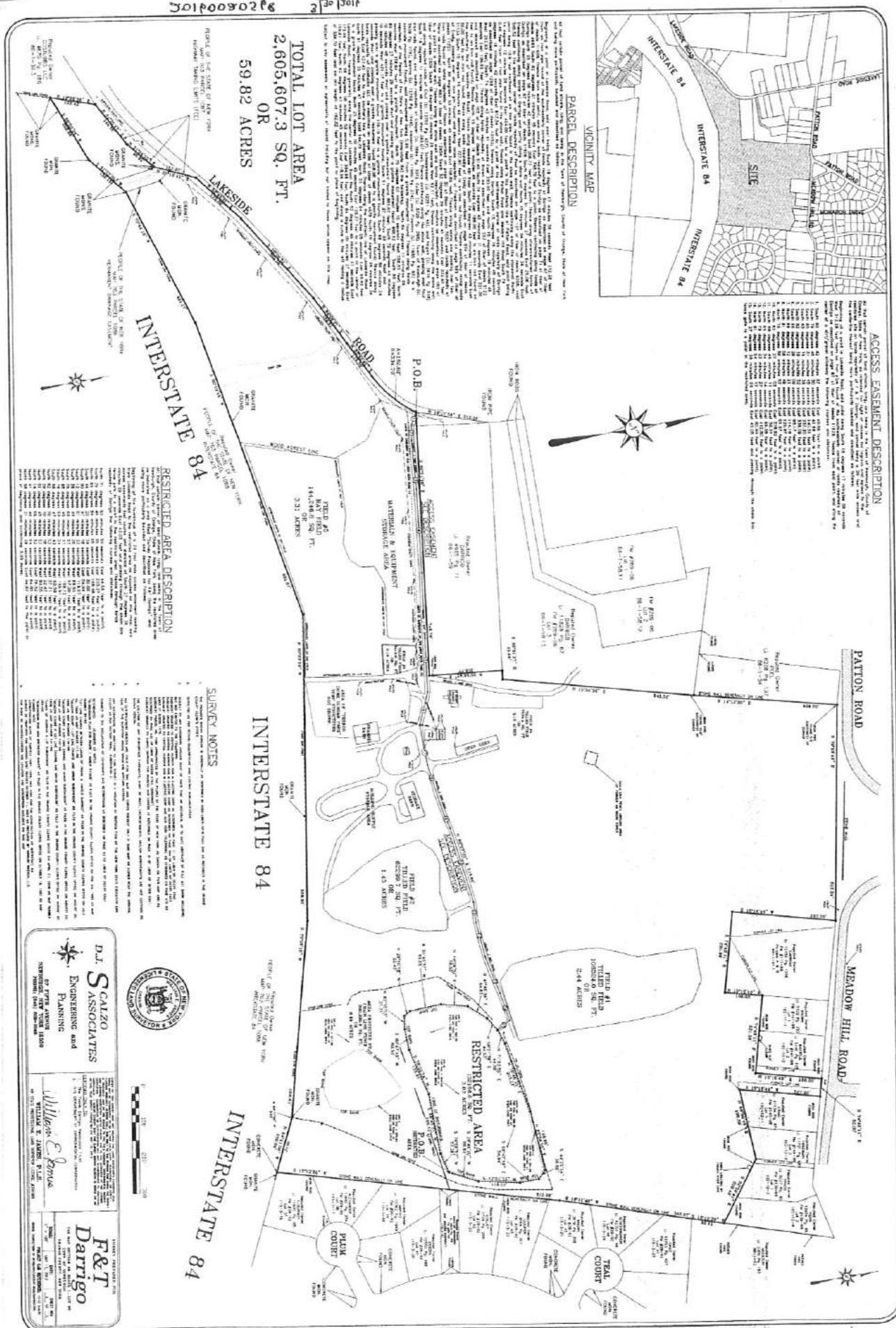
Restricted Area Description

All that certain parcel of land situate, lying, and being in the Town of Newburgh, County of Orange, State of New York, being the restricted area as indicated on a map titled "Survey Prepared for F&T Darrigo" and being more particularly bounded and described as follows: Beginning at the terminus of a 20 foot wide access easement leading from Lakeside Road to the restricted area as depicted on this map; said access easements last course and distance of South 27 degrees 36 minutes 09 seconds East 43.05 feet and passing through the chain link fence gate to a point in the restricted area; Thence through lands reputedly of Darrigo the following courses and distances:

North 71 degrees 53 minutes 50 seconds East 44.58 feet to a point;
 North 79 degrees 46 minutes 35 seconds East 203.27 feet to a point;
 North 85 degrees 54 minutes 55 seconds East 168.68 feet to a point;
 South 44 degrees 25 minutes 34 seconds East 30.68 feet to a point;
 South 00 degrees 47 minutes 18 seconds East 54.94 feet to a point;
 South 12 degrees 01 minutes 33 seconds West 118.07 feet to a point;
 South 26 degrees 49 minutes 20 seconds West 88.93 feet to a point;
 South 76 degrees 00 minutes 57 seconds West 57.20 feet to a point;
 South 88 degrees 45 minutes 31 seconds West 169.12 feet to a point;
 South 76 degrees 03 minutes 24 seconds West 135.91 feet to a point;
 South 88 degrees 47 minutes 43 seconds West 60.50 feet to a point;
 North 82 degrees 10 minutes 53 seconds West 37.71 feet to a point;
 North 29 degrees 10 minutes 18 seconds West 22.43 feet to a point;
 North 01 degrees 45 minutes 57 seconds West 90.55 feet to a point;
 North 14 degrees 06 minutes 52 seconds East 76.52 feet to a point;
 North 41 degrees 46 minutes 04 seconds East 64.85 feet to a point;
 North 58 degrees 21 minutes 38 seconds East 44.67 feet to the point or place of beginning and containing 3.03 Acres

Appendix "B" [see attached survey map]

R+R
 Daniel Darrigo
 84 Lakeside Rd
 Newburgh, NY 12550



STERLING

Sterling Environmental Engineering, P.C.

August 24, 2009

John J. Rashak, P.E.
NYS Department of Environmental Conservation
Division of Environmental Remediation, Region 3
21 South Platt Corners Road
New Paltz, New York 12561-1620

Subject: F&T Darrigo Site, Newburgh, NY
NYSDEC Site #3-36-002
Revised Remedial Work Plan
STERLING File #26020

Dear Mr. Rashak,

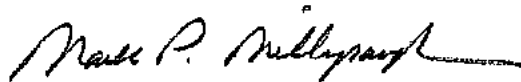
In response to the NYSDEC's July 28, 2009 letter regarding the above referenced project, attached please find the revised Remedial Work Plan addressing the NYSDEC's comments.

Please contact me with any remaining questions.

Very truly yours,

STERLING ENVIRONMENTAL ENGINEERING, P.C.

(b2)



Mark P. Millspaugh, P.E.
President
mark@sterlingenvironmental.com

MPM/bc
Email/Federal Express
Enclosure

cc: Fay Navratil, NYSDOH
Carl Darrigo, Esq.
John Conrad, Conrad Geoscience

26020/Rashak_Revised Remedial Work Plan_August2009_ltr.doc

"Celebrating 15 Years of Client Service"

24 Wade Road + Latham, New York 12110 + Tel: 518-456-4900 + Fax: 518-456-3532
E-mail: sterling@sterlingenvironmental.com + Web Site: www.sterlingenvironmental.com

**REMEDIAL WORK PLAN
F&T DARRIGO SITE

TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

NYSDEC SITE #3-36-002**

Prepared For:

Carl A. Darrigo, Esq.
67 South Plank Road
Newburgh, New York 12550

Prepared By:

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Conrad Geoscience Corp.
1 Civic Center Plaza
Suite 501
Poughkeepsie, New York 12601



Revised August 21, 2009

REMEDIAL WORK PLAN
F&T DARRIGO SITE

TOWN OF NEWBURGH
ORANGE COUNTY, NEW YORK

NYSDEC SITE # 3-36-002

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26020/Remedial Action Plan_toc.doc

EXECUTIVE SUMMARY

This document presents the Remedial Work Plan for the F&T Darrigo Site (New York State Department of Environmental Conservation (NYSDEC) Site #3-36-002), located in the Town of Newburgh, Orange County, New York. The remedial design objectives, construction sequence, project schedule and supporting Community Air Monitoring Plan (CAMP), Health and Safety Plan (HASP), and Soil Management Plan (SMP) requirements are outlined herein.

From 1948 until 1985, the Site was operated by F&T Darrigo for septage disposal. In 1984, NYSDEC collected samples of on-site soils that revealed elevated concentrations of metals. A State-funded Phase II investigation submitted to the State in 1991 confirmed the presence of metals in soil piles and two lagoons. In March 1999, NYSDEC issued an Order on Consent, which set forth requirements for a Focused Remedial Investigation (FRI) and Focused Feasibility Study (FFS).

From 1999 through 2001, remedial investigations were performed. A total of 108 soil samples were collected: 56 from the two lagoons, 18 samples from former soil pile locations, and 30 samples collected from 12 locations within the land spreading area. Four samples were also collected to establish background concentrations of metals. A report titled *Focused Remedial Investigation Report*, dated June 2002, describes field activities and findings of the FRI in detail.

Soil in the lagoons and land spreading area contains elevated concentrations of copper, chromium, lead, nickel and zinc. Elevated concentrations of cadmium, mercury, arsenic and barium were also detected in a small number of samples.

In March 2003, NYSDEC issued a Record of Decision (ROD), which provides that the selected remedy for the site consists of the following:

- *A remedial design program will be developed to provide the details necessary to implement the remedial program. This will include additional sampling of soil in the land spreading area to verify depth of contamination.*
- *Off-site disposal of stockpiled soil and soil containing chromium in excess of 1000ppm.*
- *Contaminated soil in the lagoons area will be left in place. Contaminated soil in the land spreading area will be excavated and placed in consolidation area, which will be centered over the two lagoons. The consolidation area will then be covered with two feet of clean fill. A portion of the consolidation area will then be planted with hybrid poplar trees for purposes of phytoremediation.*

In November 2009, NYSDEC issued an Explanation of Significant Difference (ESD) which eliminated phytoremediation as an element of the remedy due to its low probability of effectiveness (attached).

- *The six monitoring wells will be monitored semi-annually.*
- *A Soils Management Plan (SMP) will be developed and implemented. The SMP will include institutional controls and engineering controls to: address soils that may be excavated from the consolidation area in the future; provide for the operation and maintenance of the components of the remedy; outline the groundwater monitoring program; and identify any restrictions on site development or groundwater use.*

- *An environmental easement will be recorded, which identifies all use restrictions. Uses in the consolidation area will be limited to green space or parking.*
- *The SMP will require that the property owner complete and submit to the NYSDEC an Institutional Control/Engineering Control (IC/EC) certification periodically.*

1.0 INTRODUCTION

This Remedial Work Plan sets forth the design objectives, construction sequence, project schedule and supporting plan requirements for implementation of the selected remedy set forth in the NYSDEC ROD dated March 2003 for the F&T Darrigo Site, NYSDEC #3-36-002. The remedy is based on results of the June 2002 Focused Remedial Investigations (FRI) report and the August 2002 Focused Feasibility Study (FFS).

1.1 Site Description & Background

The F&T Darrigo property is located on Lakeside Road, immediately north of Interstate I-84 (I-84) in the Town of Newburgh, Orange County, New York (Figure 1). The Site is an 8.862-acre trapezoidal parcel that occupies the southeastern corner of the 59-acre Darrigo property (Figure 2). The Darrigo property is currently operated as a lumber and landscaping materials yard, although the Site itself is not being utilized.

From 1948 until 1985, the Site (Figure 3) was operated by F&T Darrigo for septage disposal. The operation utilized two lagoons and a land spreading area. Previous reports and studies indicate that the site received an estimated 800,000 gallons per year of liquid waste. It is suspected that the hazardous wastes including spent cleaning solution from metal finishing, furniture stripping waste, and battery containing lead were disposed of in the on-site lagoons and spread with the septage waste.

Initial Classification

In 1983 NYSDEC placed the F&T Darrigo site on the NYS registry of Inactive Hazardous Waste Disposal sites as a Class 2a site. This temporary classification is assigned to sites where there is confirmed disposal of hazardous waste but inadequate data on impacts to the environment and human health to assign them to one of the five classifications specified by law.

The Site is located near residential areas that are supplied by both municipal and private water. Residential properties are located to the north, east and west of the site. There are no perennial surface waters on the Site and the nearest body of water is an unnamed creek located approximately 875 feet west of the site.

Within the Site, an area of approximately 2.5 acres is known to be contaminated with heavy metals (Figure 4). The contaminated acreage can be divided into three areas, as follows:

Lagoons: The East Lagoon (1.33 acres) and West Lagoon (0.67 acres) comprise a total area of approximately 2.0 acres. The lagoon areas were previously used for the storage of septic waste to be spread to the area south of the West Lagoon. The lagoons have been cleared of large diameter trees (trunks larger than 2-inch diameter), brush and thistle.

Former Soil Piles: Soil piles were previously located adjacent to the unpaved access road, northeast of the lagoons (See Figure 3). The soil piles were associated with historic sludge disposal activities and consisted of soil with blue-green coloring. The soil piles and a contaminated area of the access road were excavated during the FRI, and staged on site.

Land Spreading Area: The land spreading area is located south of the West Lagoon, directly north of I-84. The area occupies approximately 0.5 acre and was historically used for the spreading of dried septic waste.

Phase II Investigation

In March 1984, the NYSDEC collected samples of on-site soils that revealed elevated concentrations of metals. In 1986, a State-funded Phase II investigation was conducted, the results of which were reported to NYSDEC in January 1991. This investigation confirmed the presence of metals at hazardous concentrations in soil piles and the two lagoons. Groundwater samples collected during the Phase II investigation indicated that groundwater had not been affected by site operations. The Phase II investigation concluded that further investigation was necessary to determine the extent of the contamination at the site and to select appropriate remedial measures.

Focused Remedial Investigation (FRI)

In March 1999, NYSDEC issued an Order on Consent, which set forth requirements for the respondents to voluntarily undertake a Focused Remedial Investigation (FRI) and Focused Feasibility Study (FFS). The Order on Consent was effective in March 1999.

From 1999 through 2001, remedial investigations were performed. The FRI was conducted in three phases. The first phase was between July 1999 and October 1999, the second phase was in February 2000, and the third phase between June 2001 and October 2001. A report entitled Focused Remedial Investigation Report, dated June 2002, describes field activities and findings of the FRI in detail.

The FRI included the following activities:

- Survey of site features, including lagoons, access roads, and soil piles.
- Installation of four monitoring wells for analysis of groundwater samples and hydrogeologic conditions.
- Collection of 108 soil samples for analysis of metals concentrations.
- Excavation and on-site staging of soil piles consisting of sewage and industrial waste sludge, and excavation of an adjacent portion of the access road that contained elevated concentrations of metals.

The FRI analytical data were compared to environmental standards criteria and guidance values (SCGs). Groundwater, drinking water and surface water SCGs for the F&T Darrigo site are based on NYSDEC Ambient Water Quality Standards and Guidance Values and Part 5 of the New York Sanitary Code. For soil, NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046 provides soil cleanup guidelines for the protection of groundwater, background concentrations, and health-based exposure scenarios. In addition, for soil, site-specific background concentrations can be considered for certain classes of contaminants.

The results of the FRI, compared to SCGs and potential public health and environmental exposure routes, demonstrated that certain media and areas of the site require remediation. As described in the FRI report, the main category of contaminants that exceed SCGs is metals. The metals of concern are chromium, copper, lead, nickel and zinc. Cadmium, mercury, arsenic and barium were also detected above SCGs in a much smaller number of samples. Following is a summary of the results:

- A total of 108 soil samples were collected: 56 from the two lagoons, 18 samples from former soil pile locations, 30 samples from the land spreading area, and four samples from two locations

north of the lagoons in a wooded area to establish background concentrations.

- Each of the lagoons exhibited fairly uniform contamination throughout. Elevated concentrations of metals were mainly confined to surface soils to a depth of 2 feet below ground surface.
- Maximum concentrations of the five metals of concern within the lagoons were 1,520 ppm copper; 2,250 ppm chromium; 663 ppm lead; 219 ppm nickel; and 1,040 ppm zinc. The SCGs for these compounds are 25 ppm for copper, 10 ppm for chromium, site background for lead, 13 ppm for nickel, and 20 ppm zinc.
- Exceedances of SCGs were also detected in a limited number of samples for other metals, including cadmium, mercury, arsenic and barium. These metals were detected at maximum concentrations of 14.1 ppm, 2.2 ppm, 29.1 ppm and 777 ppm, respectively. The SCGs for these metals are 1 ppm for cadmium, 0.1 ppm for mercury, 7.5 ppm for arsenic and 300 ppm for barium.
- Low concentrations of PCBs were detected in some samples from the East Lagoon, with all concentrations less than 1 ppm.
- One sample contained elevated concentrations of SVOCs.
- No pesticides or VOCs were detected in any of the samples.
- Thirteen samples within the lagoons were analyzed to determine if the soil should be classified as hazardous waste. None of the samples exceeded the threshold for classification as hazardous waste.
- Samples were collected from the soil piles and analyzed for the contaminants of concern. Sample results indicated that the five primary metals were present at concentrations in excess of 100,000 ppm.
- The two soil piles and an area of contamination along the access road located south of the West Lagoon were excavated and staged on site. Two rounds of excavation and confirmatory soil sampling were conducted. A total of 450 tons of soil were excavated from these areas and staged on site.
- Samples were collected from six locations in the Land Spreading Area and analyzed for the five primary metals of concern. Maximum concentrations were: 1,410 ppm copper, 2,210 ppm chromium, 1,560 ppm lead, 253 ppm nickel and 983 ppm zinc.
- Background samples were collected from the ground surface and from 12 inches below grade at two locations. The four samples were analyzed for the five metals of concern. Only zinc exceeded the SCG of 20 ppm, with concentrations of 55.6 ppm and 114 ppm.
- Four groundwater monitoring wells were installed. No metals of concern were detected above SCGs in the groundwater samples. Iron and manganese were detected above SCGs, with a maximum iron concentration of 7,430 ppb and a maximum manganese concentration of 518 ppb. The SCG for the sum of iron and manganese is 500 ppb. Aluminum was also detected above the SCG value of 100 ppb at 5,460 ppb. These results were determined to be representative of

natural groundwater quality in this area.

Focused Feasibility Study (FFS)

The FFS evaluated various remedial options and technologies. Remedial alternatives were developed and evaluated in terms of protection of human health and the environment; compliance with applicable or relevant and appropriate requirements (ARARs); long-term effectiveness and permanence; reduction of toxicity, mobility, and volume through treatment; short-term effectiveness; implementability; and cost, as more fully described in Section 3.2.

Alternatives were then ranked. The FFS and the selected remedy are the foundation for the Record of Decision (ROD).

1.2 Program Status

In March 2003, NYSDEC issued its Record of Decision (ROD), setting forth the selected remedy for the site, as follows:

- Excavation and off-site disposal of soil with chromium concentrations in excess of 1,000 ppm.
- Excavation and transfer of remaining impacted soil to the Consolidation Area centered over the Eastern Lagoon.
- Excavation and off-site disposal of previously stockpiled material.
- The consolidation area will be covered with 2 feet of clean fill. An erosion control program in the form of grass or other vegetative cover will be developed to stabilize soil across the consolidation area.
- Poplar trees would be planted in the Lagoon Consolidation Area to extract metals via phytoremediation.
- A Soils Management Plan (SMP) will be developed and implemented. The SMP will include institutional controls and engineering controls to: address soils that may be excavated from the consolidation area in the future; provide for operation and maintenance of the components of the remedy; monitor groundwater; and identify any restrictions on site development or groundwater use.
- A chain-link fence would be installed around the perimeter of the Site.
- An environmental easement will be recorded which identifies all use restrictions. Uses in the consolidation area will be limited to green space or parking (not explicitly stated in the ROD).
- The SMP will require that the property owner complete and submit to the NYSDEC an Institutional Control/Engineering Control (IC/EC) certification periodically.
- The 2003 ROD was amended to remove phytoremediation from the selected remedy. Correspondence pertaining to this modification is provided in Appendix A.

A copy of the ROD and ESD are provided as Appendix A.

1.3 Remedial Design Program

Implementation of the selected remedy will be in accordance with the ROD, as subsequently modified, as stated above.

The ROD and associated Consent Order provides the detailed requirements for submission of this Remedial Work Plan, a Citizen Participation Plan, and the associated project schedule. The ROD requires submittal of the following:

- Proposed Remedial Work Plan (this document) – Must provide for the development and implementation of a Remedial Program for the contamination that has been documented within the boundaries of the site. The NYSDEC must use best efforts to approve, modify, or reject a proposed Work Plan within 45 days of receipt or within 15 days from the close of a comment period, if applicable, whichever is later. The Proposed Remedial Work Plan must contain a schedule of implementation and this schedule will contain a schedule for development and implementation of a Remedial Design.
- Department-Approved Remedial Work Plan – This document is incorporated into and becomes an enforceable part of the Consent Order.
- Remedial Design – The Remedial Design is a component document of the Remedial Work Plan and will include the detailed plans, specifications and contract documents which will be utilized to procure contractors and to manage the project.
- Progress Reports – Required the 10th day of each month commencing with approval of the Remedial Work Plan.
- Environmental Easement – Must be submitted within 30 days after the NYSDEC approval of the Remedial Work Plan.
- Final Engineering Report – Prepared by the Professional Engineer with primary responsibility for the day to day performance of the activities under the ROD at the conclusion of all activities required by the Remedial Work Plan.
- OM&M Work Plan – Operating, Maintenance & Monitoring (OM&M) Work Plan that must be submitted as part of the Remedial Work Plan.
- Annual Reports – may be required if the OM&M Work Plan requires ongoing operation, maintenance, and monitoring or institutional controls. If required, is due on the 1st day of the month following the anniversary of the start of the OM&M Work Plan.

2.0 SUMMARY OF SITE CONDITIONS

Field investigations associated with the Focused Remedial Investigation/Focused Feasibility Study (FRI/FFS) were conducted from 1999 through 2001. The June 2002 *Focused Remedial Investigation Report* and August 2002 *Focused Feasibility Study* describe the field activities and findings in detail.

During the FRI/FFS, four new monitoring wells were installed, and a total of six monitoring wells were

sampled. Monitoring Well M-3 is located in the Land Spreading Area, and M-4 is located west of the Land Spreading Area. Monitoring Well M-5 is located in the West Lagoon. Monitoring Wells M-6 and GWFT-2 are located in the East Lagoon, and GWFT-1 is located up-gradient of the former soil piles, north of the East Lagoon (Figure 5). Sampling conducted during the FRI/FFS investigation revealed no metals of concern above SCGs in groundwater.

Soil samples contained elevated concentrations of copper, chromium, lead, nickel and zinc, and defined the extent of soil contamination in the lagoons and land spreading area.

A total of 108 soil samples were analyzed during the FRI. Thirty-eight soil samples were collected from the East Lagoon, 18 were collected from the West Lagoon, 30 were collected from the Land Spreading Area, and four background samples were collected from the woods north of the lagoons. In background samples, only zinc exceeded the SCG, with concentrations in two samples at 55.6 ppm and 114 ppm. No other metals of concern were detected above SCGs in background samples.

In the lagoons, elevated concentrations of metals were mainly confined to surface soils to a depth of 2 feet below ground surface (bgs). In isolated areas, elevated metal concentrations extended to 5 feet bgs. Maximum concentrations of the five metals of concern in the lagoons were: copper (1,520 ppm); chromium (2,250 ppm); lead (663 ppm); nickel (219 ppm); and zinc (1,040 ppm). These concentrations exceed SCG values.

Soil samples were also collected from the lagoons to determine if the soil was classified as hazardous waste. Twelve samples from the lagoons were analyzed using the EP Toxicity test and 1 sample was analyzed using the Toxicity Characteristics Leaching Procedure (TCLP). The sample results were below regulatory standards and the tested soil is not classified as hazardous waste.

Samples collected from the three former soil piles (See Figure 3) contained the five metals of concern at concentrations exceeding 100,000 ppm. Approximately 200 tons of contaminated soil were excavated from these three areas, and post-excavation soil samples confirmed elevated residual metals. In a second phase of soil removal, approximately 250 additional tons of contaminated soil were excavated. Post-excavation soil samples indicated that the contaminated areas now comply with SCGs. The previously excavated soils are currently staged on the F&T Darrigo property, and will be disposed of off-site.

In the Land Spreading Area, elevated concentrations of metals were mainly confined to shallow soils to a depth of 2 feet bgs. Maximum concentrations of the five metals of concern in the Land Spreading Area were: copper (1,410 ppm); chromium (2,210 ppm); lead (1,560 ppm); nickel (253 ppm); and zinc (983 ppm). These concentrations exceed SCGs.

3.0 SELECTION OF REMEDY

The regulatory goal specified in 6 NYCRR Part 375 is to return the site to predisposal conditions, to the extent feasible. Remedial action objectives developed for the F&T Darrigo site reflect results of the FRI and ARARs and SCGs. Remedial objectives were selected that will be protective of human health and the environment.

3.1 Remedial Goals

The remedial action objectives for the F&T Darrigo site are established by the March 2003 ROD. The overall remedial goal is to meet all SCGs and be protective of human health and the environment. At a minimum, the remedy selected must eliminate or mitigate all significant threats to public health and/or the

environment presented by the hazardous waste disposed at the site through the proper application of scientific and engineering principles. Specifically, Section 6 of the ROD identifies that the remedial goals for the site are to:

- 1) Eliminate or reduce exposure (inhalation, ingestion, and dermal contact) to soils containing unacceptable levels of copper, chromium, lead, nickel and zinc.
- 2) Eliminate or reduce the migration of contaminants into the groundwater.

An initial screening was performed to develop a list of potentially applicable remedial technologies applicable to site conditions, contaminants, and contaminated media. Applicable technologies undergo a detailed analysis of alternatives.

3.2 Identification & Screening of Technologies

The screening of technology types and process options is discussed below. This screening was based on the criteria of effectiveness for treating impacted soils, and implementability.

The FFS comprehensively evaluated:

- No Action;
- Institutional Controls;
- Excavation and Off-Site Disposal of Contaminated Soil in the Lagoons and Land Spreading Area;
- Caution Tape and Deed Restrictions;
- Phytoremediation; and
- Impermeable Barrier and Deed Restrictions.

These remedial alternatives were then evaluated as specified in the regulation that directs the remediation of inactive hazardous waste sites in New York State (6 NYCRR Part 375), and are as follows:

- Compliance with New York State SCGs;
- Protection of Human Health and the Environment;
- Short-Term Effectiveness;
- Long-Term Effectiveness and Permanence;
- Reduction of Toxicity, Mobility or Volume;
- Implementability;
- Cost; and
- Community Acceptance.

Based on the results of the FRI/FFS and the evaluation of remedial alternatives, the selected remedy for the F&T Darrigo site is phytoremediation, modified to include soil management, consolidation and capping of contaminated soil, and institutional controls. Soil management controls will be addressed in the remedial design. The remedial design will verify the components of the conceptual design and provide the details necessary for the construction, operation and maintenance, and monitoring of the remedial program.

With the exception of soil to be removed for off-site disposal, soil from the Land Spreading Area and Lagoons will remain on-site in the designated consolidation area (Figure 6). In addition to capping, institutional controls and deed restrictions will also be employed. Periodic groundwater monitoring will

be conducted to demonstrate compliance with SCGs. Groundwater monitoring will consist of quarterly monitoring all on-site wells for a period of one year, and semi-annual sampling thereafter. .

4.0 IMPLEMENTATION OF THE REMEDY

Implementation of the remedy will necessitate a range of pre-construction and construction related activities.

4.1 Initial Activities

Implementation of the remedy will necessitate preparation of the Remedial Design, which will include the following:

1. Site Survey

The existing site survey of the project site will be field verified in order to produce current site topographic mapping suitable for producing construction drawings and Construction Contract Documents. It is anticipated that drawings will be prepared reflecting existing conditions, demolition plans, excavation plans, temporary and permanent storm water management plans, soil stockpile and management plans, construction details, etc. Drawings will be produced at a scale of 1"=50' with a one (1) foot contour interval. The mapping activities will include appropriate control surveys necessary to produce accurate, construction quality mapping. Pre-construction surveying will also include the establishment of appropriate survey benchmarks at the property for use during construction.

2. Community Air Monitoring Plan (CAMP)

Site activities involving the management of impacted soils have the potential to generate dust which could migrate from the site. A CAMP will be developed prior to construction as outlined in more detail in Section 6.0. The CAMP will be reviewed and approved by the NYSDEC and New York State Department of Health (NYSDOH) prior to commencement of construction activities. The CAMP will include real time monitoring for total particulate with a mechanism for immediate reporting to the site where activities are causing an off-site impact.

3. Soil Management Plan (SMP)

The Soil Management Plan (SMP) is to be prepared in accordance with Section 6.0.

4. Health and Safety Plan (HASP)

Because the project involves the remediation of a regulated site, all construction/remedial activity must be carried out in accordance with a site specific Health and Safety Plan (HASP). Such a plan must satisfy the requirements of 40 CFR 1910 and 1926. The required elements of the HASP are presented in Section 6.0.

4.2 Construction Activity

All construction will be in accordance with an approved Remedial Design (RD) to be developed pursuant to this Remedial Work Plan. The RD will include the detailed plans, specifications and contract

documents which will be utilized to procure contractors and to manage the project.

It is anticipated that pre-qualified contractors will be invited to submit proposals. The site owner will then select one or more contractors to undertake elements of the work as follows:

1. Site Work

Certain preliminary site work will be needed in order to implement the remedy including security measures, construct temporary haul roads, drainage improvements, etc. Prior to the commencement of construction, the selected contractor will be required to make a series of "shop submittals" including but not limited to Project Schedule, Soils Management Plan (SMP), Construction HASP, CAMP, etc.

2. Excavation and Grading

Impacted soils will be excavated and relocated for on-site consolidation in accordance with a Soils Management Plan (SMP) to be prepared in accordance with Section 6.0.

3. Soils Management

Strict controls for on-site hauling and management of soils are required to minimize dust generation, storm water runoff and address health and safety concerns. The management of soil must also adhere to the industry standard Best Management Practices (BMPs) to minimize runoff and dust.

The measures will be presented in detail in the Soils Management Plan (SMP) to be prepared in accordance with Section 6.0.

A chain-link fence will be installed around the perimeter of the Site (completed in 2004, but will be modified post-construction).

4.3 Post-Construction Activity

1. Modification of Site Boundary/Deed Restriction

As of June 2009, the "Site" consists of the Land Spreading Area (LSA), Western Lagoon (WL) and Eastern Lagoon (EL), and occupies approximately 9 acres. As described elsewhere in this document, soils in the LSA will be transferred into the consolidation area and a 101,000 square-foot Soil Cover/Consolidation Area will be constructed over the WL and EL. Following final construction activities, the Soil Cover/Consolidation Area will be approximately 2.3-acres (Figure 7). The perimeter area (approximately 2.2 acres) and the Soil Cover/Consolidation Area will comprise an area of approximately 4.5 acres. All soil exceeding Unrestricted Use Soil Cleanup Objectives (UUCOs) will be removed from the LSA. Details pertaining to post-excavation soil sampling to demonstrate soil quality are provided in Section 6.4. The remaining 4.5 acres not dedicated to the Soil Cover/Consolidation Area, or perimeter, will meet all other State requirements and have no restrictions.

A Final Engineering Report will be prepared pursuant to DER-10 and 6NYCRR Part 375-1.6(c), for submittal to NYSDEC. This report will include a site survey, documenting the 2.3-acre Soil Cover/Consolidation Area and set forth the conditions for the deed restriction. A deed restriction

will be recorded with the County Clerks office documenting and addressing the restrictions associated with contaminants at the site (See Section 6.3 for additional details). A Site Management Plan will be prepared, consistent with NYSDEC guidance.

2. Consolidation Area Maintenance

The consolidation area will require annual inspection and maintenance, including mowing inspection and maintenance of the soil cover and inspection of the chain-link fence. Additional details pertaining to site maintenance are provided in Section 6.4 (and Addendum 2.0). The soil cover will be inspected for any exposure of the caution tape (used to demarcate the boundary between lifts of soil from the LSA and the Soil Cover) and will be repaired and maintained as necessary. Annual certification will be submitted to NYSDEC documenting that institutional controls are in place.

3. Groundwater Monitoring

Periodic groundwater monitoring will be conducted as follows:

- Quarterly sampling and analysis of six stipulated groundwater monitoring wells (MW-3, MW-4, MW-5, MW-6, GWFT-1 and GWFT-2) for four quarters;
- Semi-annual sampling and analysis of the stipulated wells for one (1) year for the metals of concern. Sampling events will be scheduled to coincide with the season during which samples demonstrate the highest total concentration of dissolved metals (the sum of detectable concentrations of all dissolved metals). If groundwater samples do not contain detectable metals, samples will be collected during the second and fourth quarters of the calendar year;
- Annual sampling and analysis of the stipulated wells for three years and continued until groundwater standards are met, as per 6NYCRR Part 700-705, Class GA groundwater standards. Sampling events will be scheduled to coincide with the season during which samples demonstrate the highest total concentration of dissolved metals (the sum of detectable concentrations of all dissolved metals). If groundwater samples do not contain detectable metals, samples will be collected during the second quarter of the calendar year.

Results from each sampling event will be reported to NYSDEC; monitoring will continue until NYSDEC concurs Class GA groundwater standards have been met.

4. Institutional Controls

Institutional controls will be presented in Remedial Design documents, the Final Engineers Report, Site Management Plan and the future deed restriction. These documents will provide institutional controls in the form of an environmental easement that will:

- Require compliance with the approved SMP;
- Limit the use of the property;
- Restrict the use of groundwater as a source of potable water, without necessary water quality treatment as determined by NYSDEC, and;

- Require the property owner to complete and submit to the NYSDEC a periodic certification.

5.0 REMEDIATION SCHEDULE

The proposed remediation schedule is presented on Figure 8, the Gantt Chart.

It is anticipated the project will follow the following general sequence although a number of site activities are expected to overlap:

- Pre-Construction:

Permits and Approvals. All necessary permits and approvals will be applied for and obtained to authorize the work. The following summarizes the anticipated approvals and permits.

NYSDEC	• Remedial Design • Soil Management Plan
NYSDOH	• CAMP

Under prevailing NYSDEC policy, a General Permit for a Construction Activity General Permit (State Pollutant Discharge Elimination System (SPDES) Permit) is not required. The authority to implement the remedy is contained in NYSDEC's approval of the remedial Work Plan and RD.

- Construction:

Active management of the soil will commence following pre-construction activities.

Active Soil Management:

Tentative Start: March 1, 2010
Duration: 15 field days

*Pending receipt of written NYSDEC approval

Includes excavation and disposal of soil containing chromium in excess of 1,000 ppm; disposal of previously stockpiled soil; excavation and placement of impacted (less than 1000 ppm) soil from the land spreading area into the consolidation area. Includes pre-characterization of the source material for the cover to be placed on the Soil Consolidation Area so that the 24-inch-thick cover meets the 'restricted residential' Soil Cleanup Objectives listed in Table 375-6.8(b) of 6 NYCRR Part 375 (as per Section 6.4).

Completion of Soil Cover/Consolidation Area:

Tentative Start: March 17, 2010
Duration: 15 field days

Confirmatory sampling of the soil remaining in the Land Spreading Area according to the requirements of Section 5.4 of Technical Guidance Document DER-10 so that the soil remaining outside of the Soil Cover Area shown in Figure 6A meets the 'unrestricted use' Soil Cleanup Objectives listed in Table 375-6.8(a) of 6 NYCRR Part 375. Includes placement of the 2-foot clean fill cover on the consolidation area, regrading the land spreading area, and final grading in the consolidation area.

Site Restoration:

Tentative Start: April 1, 2010
Duration: 10 field days

Includes installation of the site fence around the perimeter of the consolidation area and completion of the final site survey by a New York State licensed land surveyor.

Commensurate with the remediation activities described herein is the implementation of the Citizen Participation Plan. A copy of the plan is provided as Appendix C.

- **Post-construction:**

The first groundwater monitoring event will commence immediately preceding consolidation and capping activities. Groundwater monitoring will occur quarterly for the first year, semi-annually the following year, and annually thereafter. Annual sampling and analysis of the stipulated wells will be conducted for a minimum of 3 years and continue until groundwater standards are achieved as per 6NYCRR Part 700-705, Class GA groundwater standards, and NYSDEC concurs with this determination.

6.0 PLAN SUBMITTALS

6.1 Remedial Design

The Remedial Design is anticipated to include preparation of the following deliverables:

- **Plans:**

Construction drawing will be prepared at a scale of 1":50' with one (1) foot contours. The following list of drawings is anticipated:

- Plate 1 Existing Conditions
- Plate 2 Site Preparation
- Plate 3 Drainage Improvements and Erosion Control Details
- Plate 4 Excavation Plan
- Plate 5 Soil Consolidation Fill
- Plate 6 Backfill/Finish Grading Plan
- Plate 7 Miscellaneous Construction Details

- **Specifications:**

Construction specifications will be prepared including:

Contract No. 1 – Division 1 - General Requirements

01010	Summary of Work
01030	Progress Meetings
01041	Coordination
01050	Field Engineering
01150	Measurement and Payment
01210	Preconstruction Conference
01310	Construction Schedules
01340	Shop Drawings, Product Data and Samples
01370	Schedule of Values
01410	Testing Laboratory Services
01501	Contractor's Field Office
01540	Security
01560	Temporary Controls
01570	Maintenance and Protection of Traffic
01600	Transportation and Handling of Materials and Equipment
01620	Storage and Protection
01720	Project Record Documents

Contract No. 1 – Division 2 – Site Work

02110	Site Preparation/Clearing and Grubbing
02222	Rough Grading, Excavation and Backfill
02233	Sub-base Preparation
02290	Storm Water Drainage
02293	Soil Placement and Compaction
02923	Topsoil Placement
02936	Seed and Mulch
02949	Erosion Control
03000	Mobilization/Demobilization

- **Contract Documents**

Standard construction contract document will be developed for the purpose of retaining qualified remediation contractors. At a minimum, the documents are anticipated to consist of:

1. Notice To Bidders
2. Instructions To Bidders
3. Bid Forms
4. Standard Form of Agreement
5. Change Order
6. Application For Payment
7. Construction Performance Bond
8. Construction Payment Bond
9. Certificate of Substantial Completion
10. Standard General Conditions
11. Supplementary Conditions

12. Construction Specifications
13. Appendices (HASP, CAMP, Soils Management Plan)
14. Drawings

Additionally, the Remedial Design will include the following supporting plans:

6.2 Health and Safety Plan (HASP)

A Health and Safety Plan (HASP) must be developed in accordance with the Occupational Safety & Health Administration (OSHA) and other regulations pertaining to working in the vicinity of contaminated materials. The HASP must include:

- Site History and Setting
- Site Concerns and Suspected Safety Hazards
- Chemical Hazard Assessment and Controls
- Personal Protective Equipment (PPE)
- Site Controls
- Site Work Zones
- Air Monitoring at Work Locations
- Exclusion Zone
- Excavator and Drill Rig Operations
- Decontamination Procedures and Zone
- Support Zone
- Physical Hazards and Controls
- Natural Hazards
- Noise Hazards
- Slip, Trip and Fall Hazards
- Confined Space Entry
- Adverse Weather
- Equipment Failure
- Safety Inspections and Record Keeping

- Emergency Action Plan for Spills, Fires and Explosions
- Medical Monitoring
- Training
- Modifications to this Plan.

6.3 Community Air Monitoring Plan (CAMP)

The Community Air Monitoring Plan (CAMP) must be prepared and implemented in conformance with the NYSDOH Generic Community Air Monitoring Plan as contained in Appendix 1A of the DRAFT DER-10 TECHNICAL GUIDANCE FOR SITE INVESTIGATION AND REMEDIATION, December 2002 (12/25/02); and TAGM 4031. The particulate monitoring at the perimeter of the exclusion zone will be with a MIE PDM-3 MiniRam or equivalent. The CAMP will be submitted to the appropriate agencies for approval, including the NYSDEC and NYSDOH. In particular, the following section of the NYSDOH Generic Community Air Monitoring Plan must be followed:

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the up-wind and down-wind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (ug/m^3) greater than background (up-wind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that down-wind PM-10 particulate levels are not observed at concentrations exceeding $150 \text{ ug}/\text{m}^3$ greater than the up-wind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are more than $150 \text{ ug}/\text{m}^3$ greater than the up-wind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the down-wind PM-10 particulate concentration to within $150 \text{ ug}/\text{m}^3$ of the up-wind level and in preventing visible dust migration.

All readings must be recorded and be available for NYSDEC and NYSDOH personnel to review.

6.4 Soil Excavation and Consolidation Plan (Soil Management Plan (SMP))

This SMP will identify the intended sequence to excavate, transport and consolidate impacted soil. Generally, the soils most distant from the consolidation area will be excavated first. The excavation will

be progressed in a logical sequence to minimize the extent of open disturbed soil at the site. Strict erosion control measures will be employed as set forth in the detailed specifications.

The SMP will identify the methods and means for soil excavation, equipment to be used, haul routes, loading and unloading methods, temporary stockpiling if needed, and the ultimate placement and compaction in the consolidation area. No excavation below the water table will occur. Therefore, no construction dewatering is proposed.

The SMP will identify the capping procedure for placement of the required 2 feet of clean fill.

The SMP will also address residual contaminated soils that may be excavated from the site during future redevelopment. The SMP will require soil characterization and, where applicable, disposal/reuse in accordance with NYSDEC regulations.

Most important, the plan will identify the schedule and anticipated sequencing for soils management.

Phase I: Excavation of Soil Containing Chromium in Excess of 1,000 ppm

The proposed remedy includes excavation and off-site disposal of soil in the Land Spreading Area (LSA) and Western Lagoon (WL) that contains chromium in excess of 1,000 ppm. Soil borings were conducted in April 2008 to refine the estimate of the volume of soil requiring off-site disposal and to evaluate the extent of the contaminants of concern, as defined by the 2003 Record of Decision (ROD). Samples were collected from Geoprobe borings at regularly spaced intervals, and submitted to Paradigm Environmental Services for analysis of chromium, copper, nickel, lead and zinc (the ROD-defined contaminants of concern).

Soil sample results are summarized in Appendix C of the Remedial Action Work Plan. None of the samples contained concentrations of chromium in excess of 1,000 ppm. Total chromium concentrations ranged from 15.8 to 865 ppm. The deepest interval analyzed was 1.5-2.5 feet bls in all of the borings. Of the 19 samples at this depth some metals exceeded the "unrestricted use" soil cleanup objectives (UUSCOs) specified in 6NYCRR Part 375-6.8(a). Based on these results, soil beyond the vicinity of borings LSA-4, LSA-7, and WL-5/6, do not contain chromium in excess of 1,000 ppm. Soil within a 10-foot radius of borings LSA-4, LSA-7 and WL-5/6 will be excavated to a depth of 3 feet below grade and stockpiled with the 450 cubic yards of previously stockpiled soil. Prior to any site activities, the State-approved Community Air Monitoring Plan (CAMP) will be implemented. Post-excavation soil samples will be collected from these areas in accordance with the frequency outlined in DER-10 to ensure native soil remaining does not contain chromium in excess of 1,000 ppm. Samples will be retained in appropriate containers, shipped via overnight delivery to a NYSDOH ELAP-approved laboratory for analysis. Post-excavation sampling results will be reviewed with the NYSDEC Project Manager to determine if additional excavation and post-excavation sampling is needed.

Phase II: Excavation of Soil from Land Spreading Area

Based on data assembled from the borings conducted in 2008, we estimate approximately 1,500 cubic yards of soil will be excavated from the LSA and placed in a soil consolidation area to be constructed on top of the Eastern Lagoon (EL). Figures 6A, 6B and 6C depict the areas to be excavated, a schematic cross-section of the consolidation area, and site plan, respectively. We estimate that soil will be excavated to an average depth of 2 feet below grade from the LSA.

Post-excavation soil samples will be collected from areas where soil excavation has been performed, at

the frequency described in DER-10, and in accordance with standard operating procedures. Samples will be retained in appropriate containers, shipped via overnight delivery to a NYSDOH ELAP-approved laboratory for analysis volatile organic compounds, semi-volatile organic compounds, metals, PCBs and pesticides as summarized in 6NYCRR Part 375-6.8(a). Analytical results will be reviewed, tabulated, compared to UUSCOs and forwarded to NYSDEC as part of the normal periodic progress reporting. Results will be reviewed with the NYSDEC Project Manager to determine if additional excavation and post-excavation sampling is needed. Excavation below the water table (approximately 7 feet below grade) is not anticipated.

Upon completion of excavation activities, the perimeter of the area will be re-graded to meet existing topography. The area will be raked and seeded to prevent surface erosion.

Phase III: Construction of Consolidation Area and Soil Cover.

Soil excavated from the LSA will be stockpiled on the EL using standard earth moving equipment (concurrent with Phase II). Access points and haulroads will be established to prevent the spread of contaminants beyond the limits of the proposed consolidation area. Truck speeds will be monitored and roads will be wetted as needed to minimize the generation of dust (and the State-approved CAMP will be in effect). Strict erosion control measures will be employed to prevent transportation of contaminants beyond the limits of the consolidation area (Erosion Control Plan to be submitted with design documents).

Contaminated soil will be placed in one two-foot lift in the EL, and will be covered with 18 inches of clean fill and 6 inches of top soil, creating the Soil Cover. Prior to completing the cover, surface soil from the haul road will be removed at the end of construction activities and placed in the consolidation area, and the Soil Cover completed.

As depicted in the attached figure, contaminated soil from the LSA will cover approximately 28,000 ft². The area encompassing the entire WL and EL (Soil Cover/Consolidation Area) is approximately 101,250 ft². The expected volume of material required for the Soil Cover is approximately 7,500 yd³. Material will be supplied from NYSDEC-permitted mines or other sources demonstrated to meet the applicable standards, and/or from the Darrigo property, outside the limits of any of the previous disposal area operations. The Soil Cover material will be sampled according to the following sampling plan, dependant on the source:

Soil Imported from NYSDEC-permitted Mines: No sampling

Soil Imported from other Off-Site Sources (non-DEC Mines):

Frequency of Sampling: In accordance with draft DER-10 guidance (see below).

Analytical Methods: 13 Priority Pollutant Metals via EPA 6010B/7400; Volatile Organic compounds via EPA 8260; Semi-volatile Organic Compounds via EPA 8270; PCBs/Pesticides via EPA 8082/8081.

Acceptance Criteria: Restricted residential standards as defined in 6NYCRR Part 375-6.8 (b).

Soil from the Darrigo property, outside the current site boundary:

Frequency of Sampling: In accordance with draft DER-10 guidance, we propose the sampling protocol below.

Analytical Methods: 13 Priority Pollutant Metals via EPA 6010B/7400; Volatile Organic compounds via EPA 8260; Semi-volatile Organic Compounds via EPA 8270; PCBs/Pesticides via EPA 8082/8081.

Sampling Protocol for Fill Material								
	Semivolatiles		Volatiles		Inorganics		PCB/Pesticides	
Soil Quantity (yd ³)	Grab	Compo site	Grab	Compo site	Grab	Compo site	Grab	Compo site
First 1,000	2	7	7	-	2	7	2	7
1,001 – 2,000	1	4	4	-	1	4	1	4
Each additional 1,000 yards	1	1	2	-	1	1	1	1

Acceptance Criteria: Restricted residential standards as defined in 6NYCRR Part 375-6.8 (b)

Phase IV: Site Restoration and Maintenance

Upon completion of excavation activities, the Soil Cover/Consolidation area will be graded and seeded. The perimeter of the fill area will be fenced and signs placed to notify visitors that access to the area is strictly forbidden. Upon completion of the remedy, a Final Engineering Report will be prepared documenting the implementation of the remedy. The Soil Cover will be maintained to prevent woody vegetation from growing on the cover surface. The cover area will be inspected annually to document maintenance of the soil cover and condition of the chain-link fence. The soil cover will be inspected for any exposure of the caution tape used to demarcate the boundary between soil from the LSA and the Soil Cover. Annual certification will be submitted to NYSDEC, documenting that these institutional controls are in place.

FIGURE 1
SITE LOCATION MAP

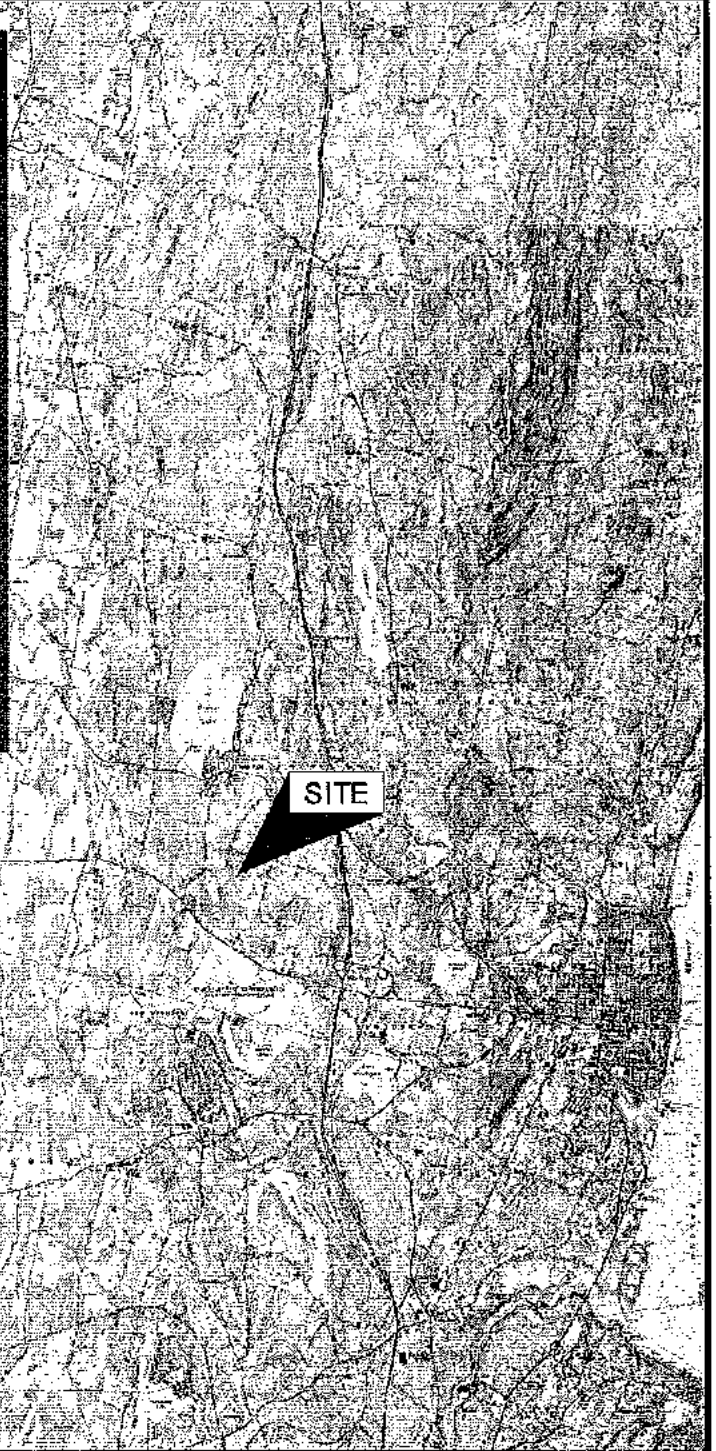


PHOTO: NY STATE GIS CLEARINGHOUSE, 2004
 BASE MAP: USGS TOPOGRAPHIC MAP, 1:24,000 SERIES
 ALL LOCATIONS ARE APPROXIMATE



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One Civic Center Plaza, Suite 501, Poughkeepsie, New York 12601



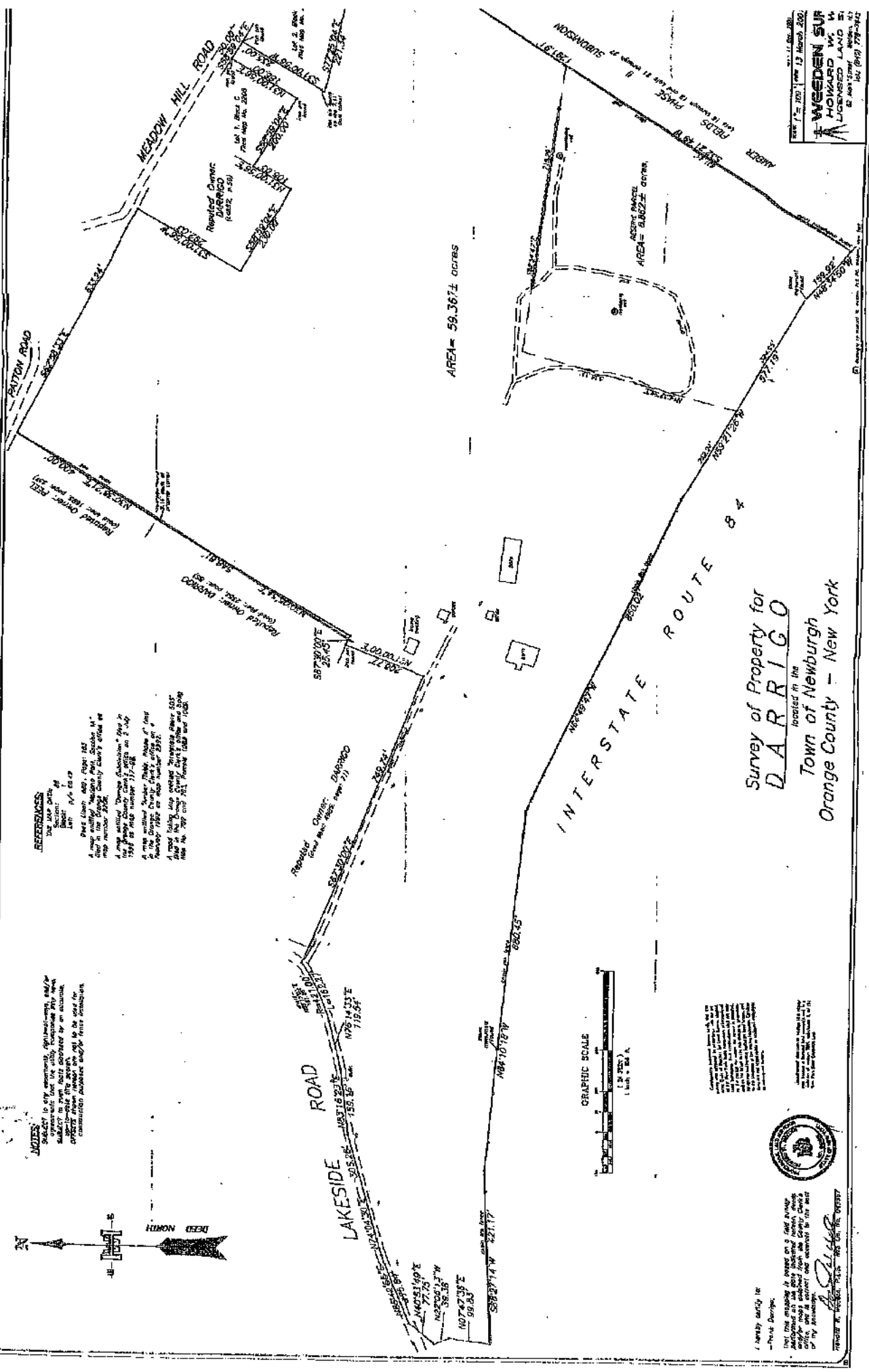
Figure 1

SITE LOCATION

Prepared By:	SH 4/26/08
Reviewed By:	
Revised By:	
Approved By:	CBB 4/28/08

F & T DARRIGO SITE
 Lakeside Road, Newburgh, New York
 FN050130

FIGURE 2
PARCEL MAP



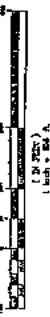
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Part 95, 1967, Page 249
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Part 97, 1967, Page 251
Part 98, 1967, Page 252
Part 99, 1967, Page 253
Part 100, 1967, Page 254

NOTES:

1. This survey was made in accordance with the provisions of the New York State Surveying Law, Chapter 100, Section 1, which requires that all surveys be made in accordance with the provisions of the said law.

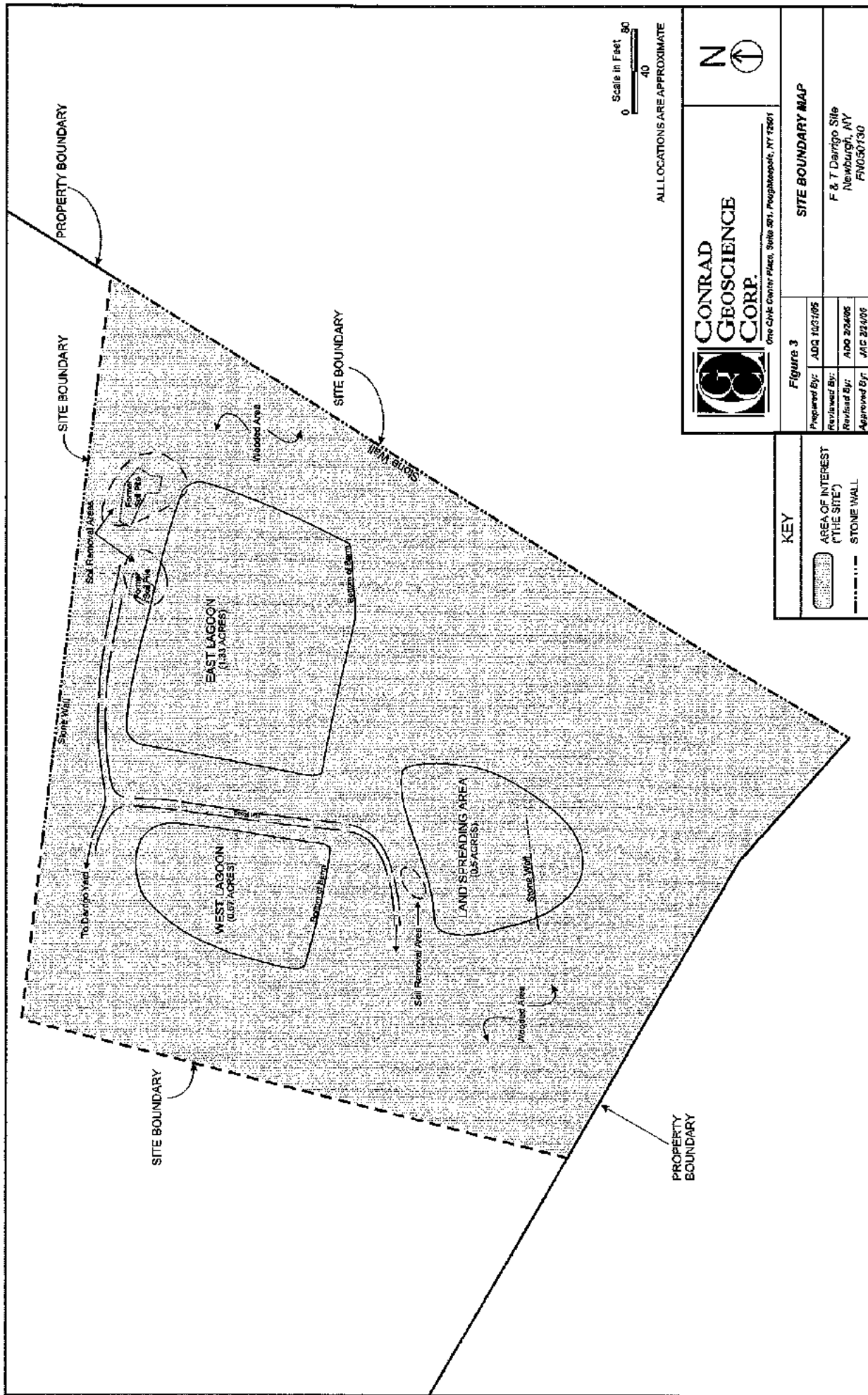
GRAPHIC SCALE



I hereby certify that this map was made in accordance with the provisions of the New York State Surveying Law, Chapter 100, Section 1, and that the same is a true and correct copy of the original map as filed in my office.

HOWARD S. HOWARD
LICENSED LAND SURVEYOR
No. 12345
State of New York

FIGURE 3
SITE BOUNDARY MAP



Scale in Feet
0 40 80
ALL LOCATIONS ARE APPROXIMATE



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CORP.
One Cycle Center Place, Suite 201, Poughkeepsie, NY 12601



KEY

- AREA OF INTEREST ("THE SITE")
- STONE WALL

Figure 3

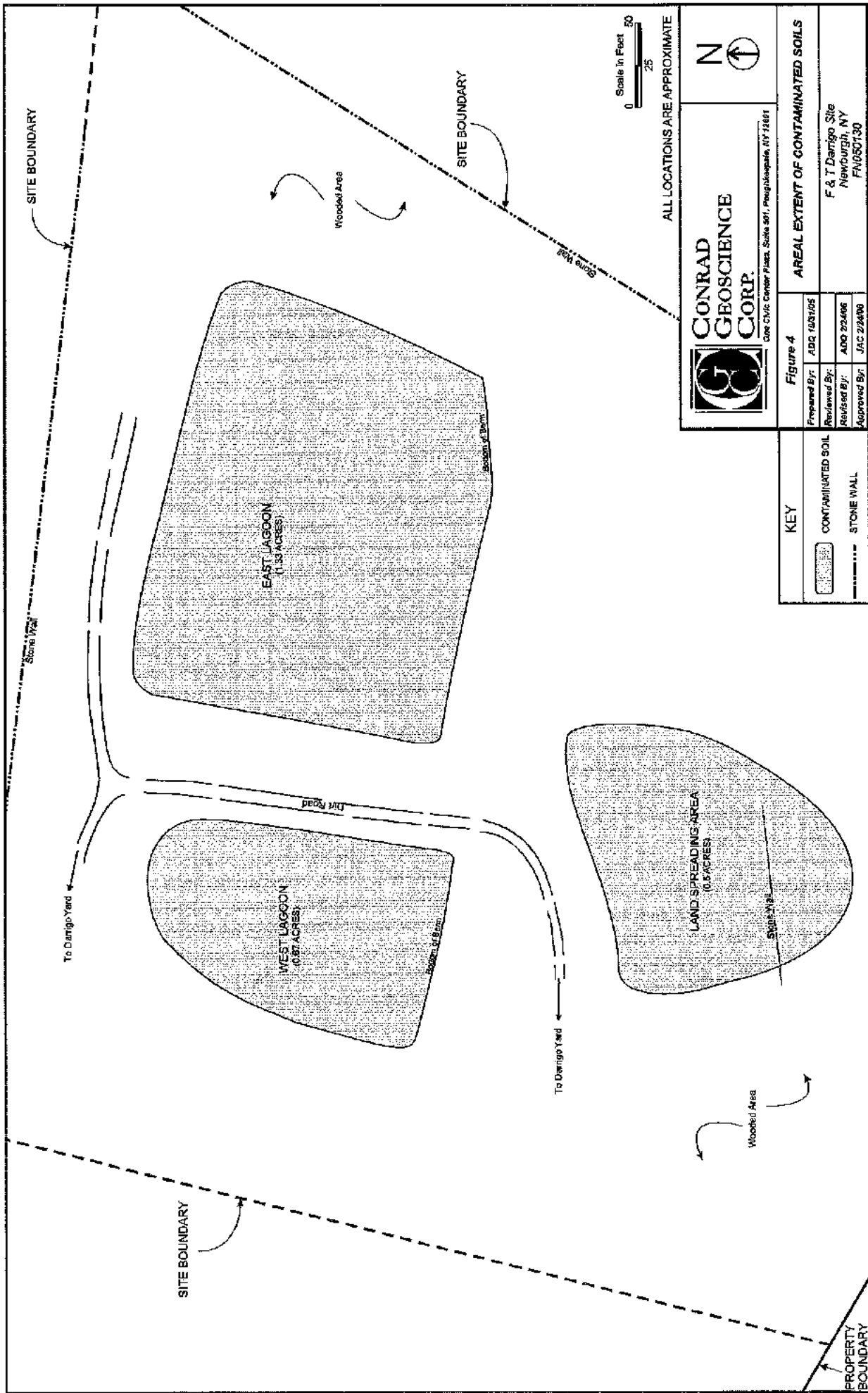
SITE BOUNDARY MAP

Prepared By:	ADG 10/1/05
Reviewed By:	ADG 22/4/05
Approved By:	ADG 22/4/05

F & T Darrigo Site
Newburgh, NY
FV030730

FIGURE 4

**AREAL EXTENT OF
CONTAMINATED SOILS**



KEY	
	CONTAMINATED SOIL
	STONE WALL

Figure 4	
Prepared By:	ADQ 10/31/05
Reviewed By:	ADQ 10/31/05
Revised By:	ADQ 10/31/05
Approved By:	JAC 10/31/05

AREAL EXTENT OF CONTAMINATED SOILS	
F & T Darrigo Site Newburgh, NY FN050730	



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ALL LOCATIONS ARE APPROXIMATE

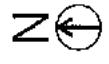


FIGURE 5
MONITORING WELL LOCATION MAP

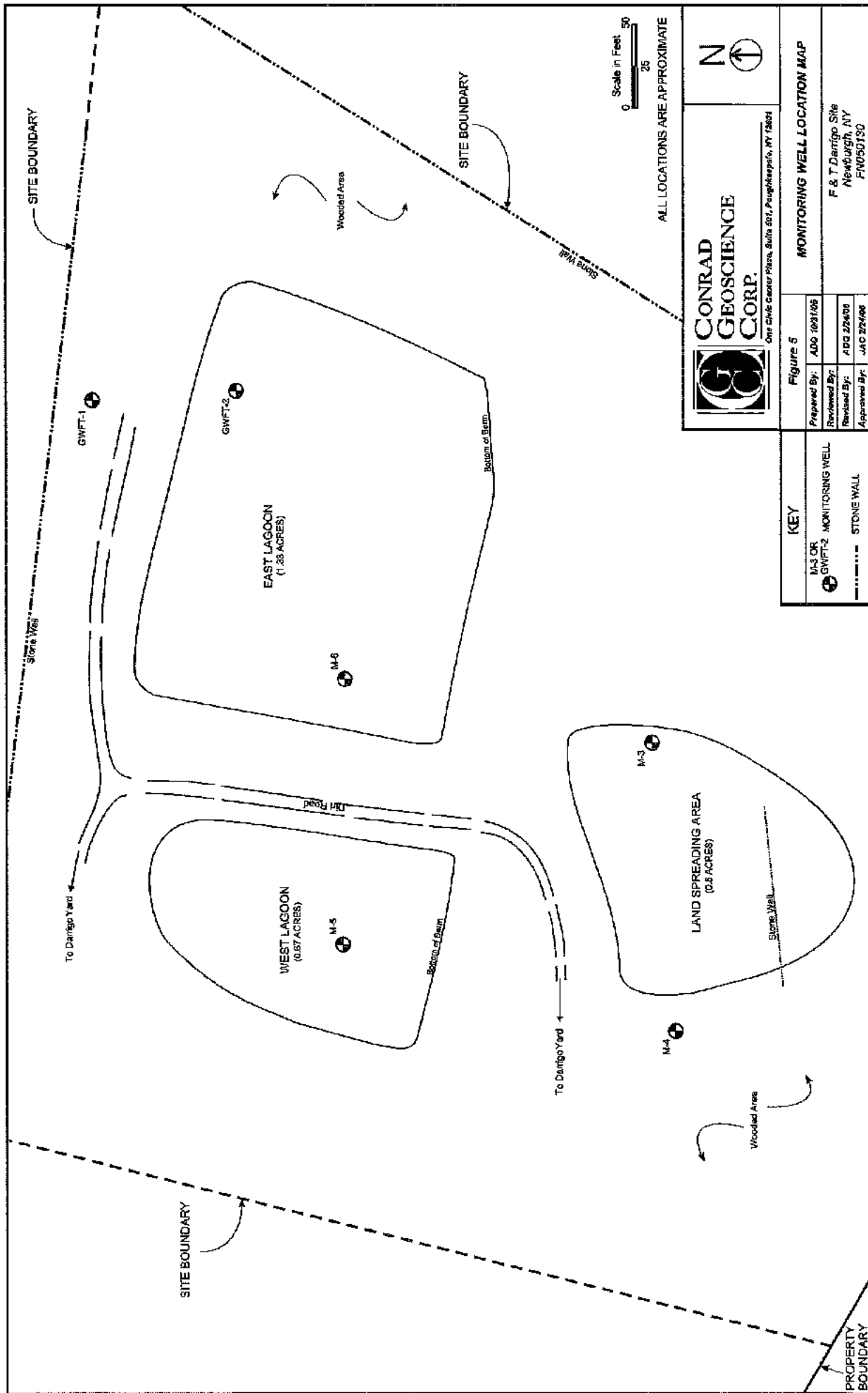
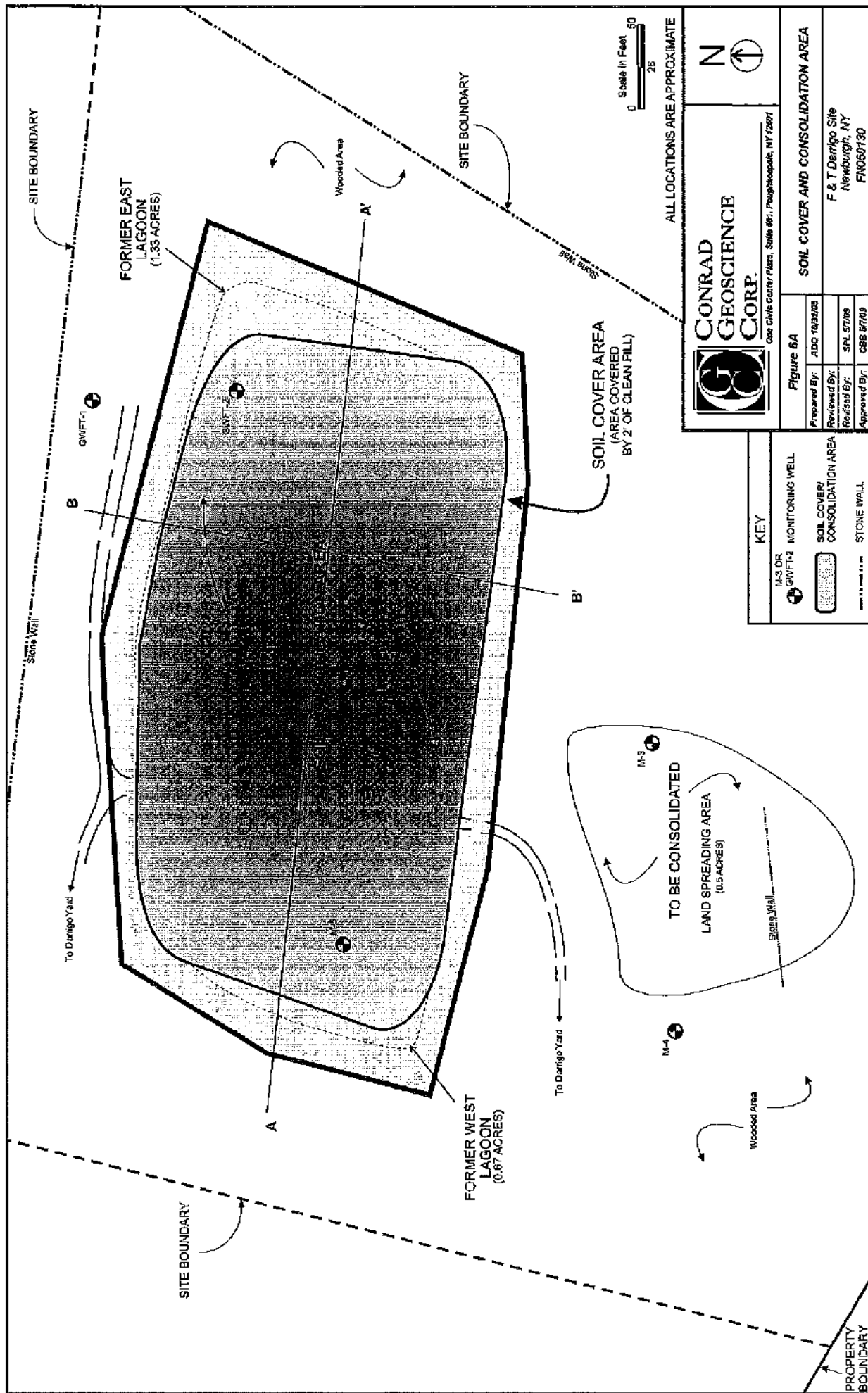


FIGURE 6A
SOIL COVER AND CONSOLIDATION AREA



Scale in Feet
0 25 50

ALL LOCATIONS ARE APPROXIMATE



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One Civic Center Plaza, Suite 601, Poughkeepsie, NY 12601

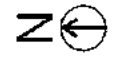


Figure 6A

Prepared By:	ADQ 10/31/03
Reviewed By:	SPL 5/7/06
Approved By:	CBS 8/7/03

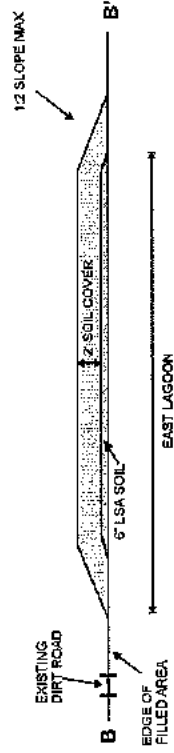
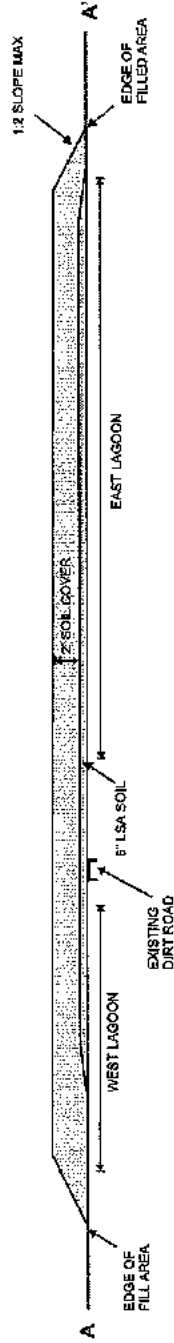
SOIL COVER AND CONSOLIDATION AREA

F & T Darrigo Site
Newburgh, NY
FIN0507130

KEY

M-3 OR GWFT-2	MONITORING WELL
	SOIL COVER/ CONSOLIDATION AREA
	STONE WALL

FIGURE 6B
SOIL CONSOLIDATION AREA CROSS-SECTIONS



HORIZONTAL SCALE: 1" = 50'

VERTICAL SCALE: 1" = 10'

ALL LOCATIONS APPROXIMATE



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Figure 6B

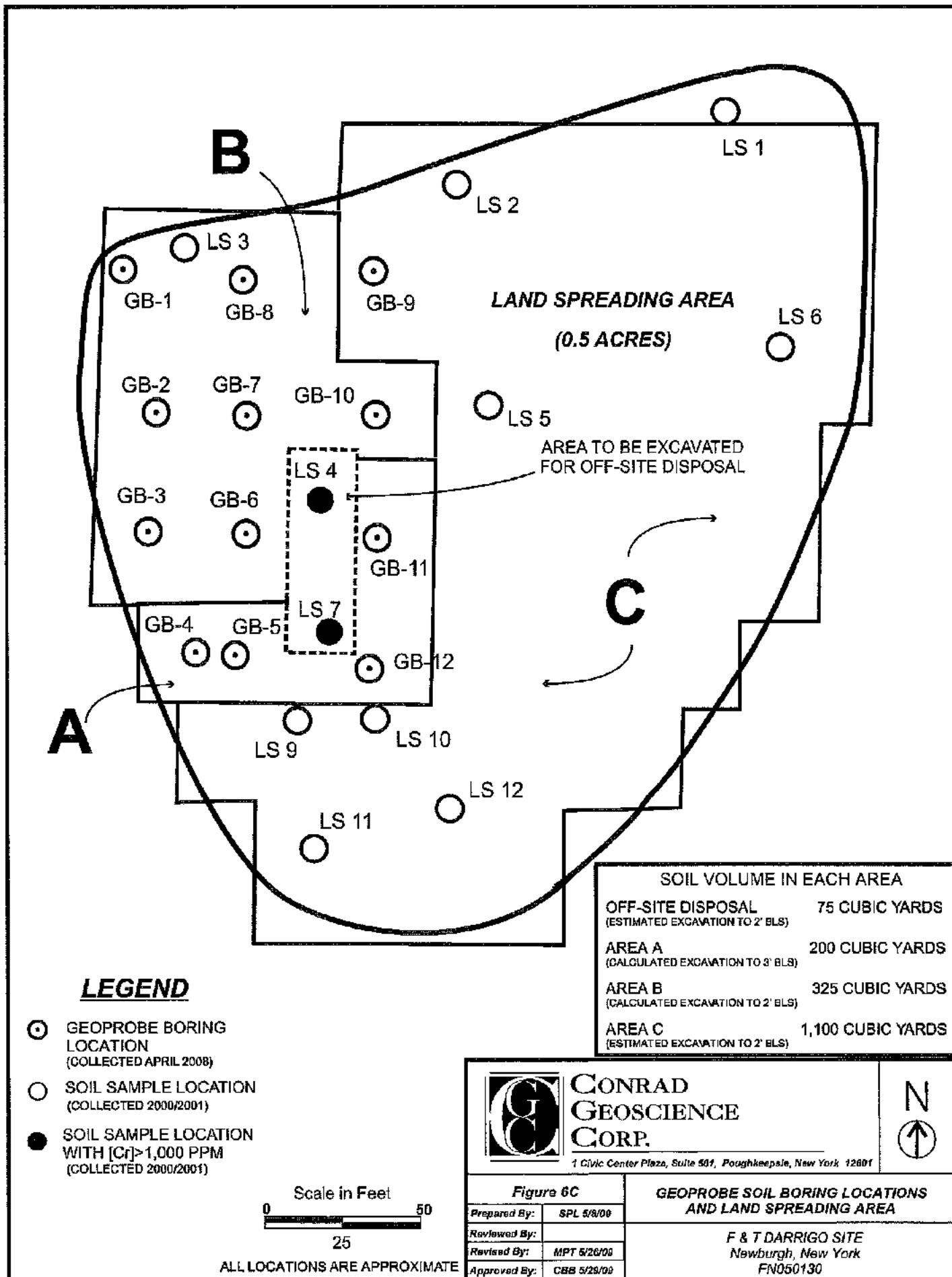
Prepared By:	SPL 87/89
Reviewed By:	
Approved By:	GPB 87/89

**SOIL CONSOLIDATION AREA
CROSS-SECTIONS**

F & T Damigo Site
Newburgh, NY
FN050130

FIGURE 6C

**GEOPROBE SOIL BORING LOCATIONS
AND LAND SPREADING AREA**



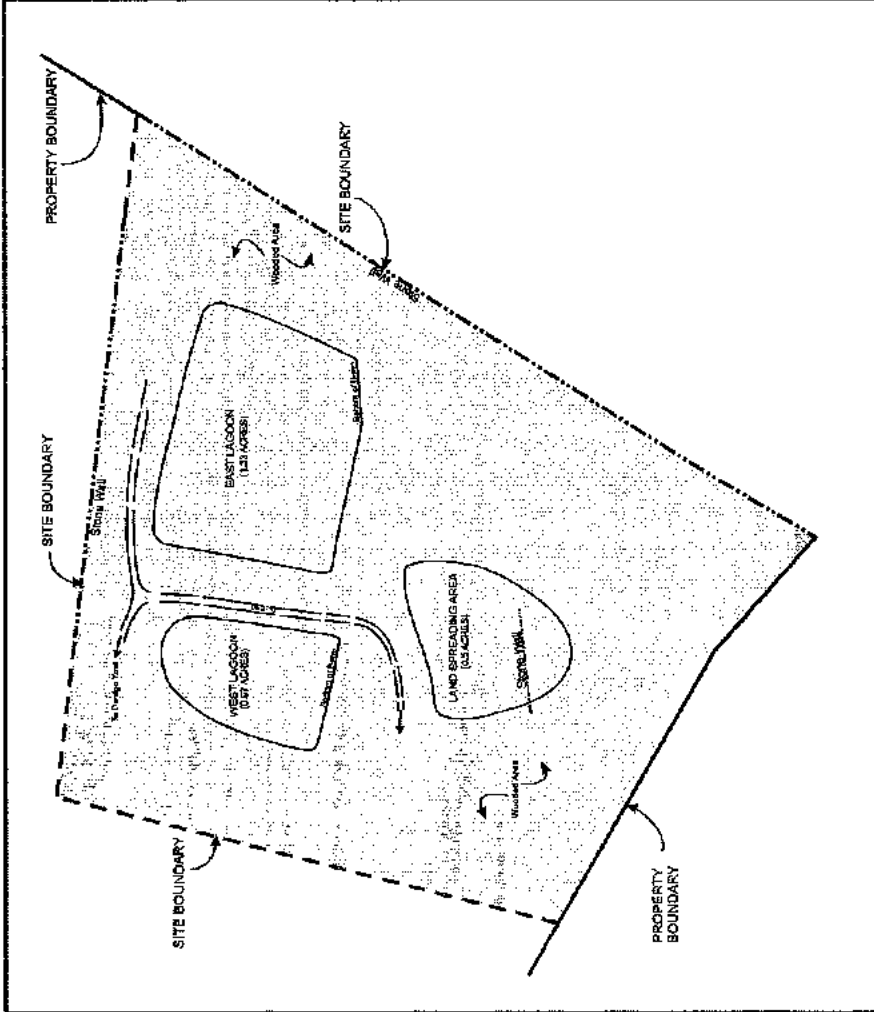
**CONRAD
GEOSCIENCE
CORP.**

1 Civic Center Plaza, Suite 501, Poughkeepsie, New York 12601

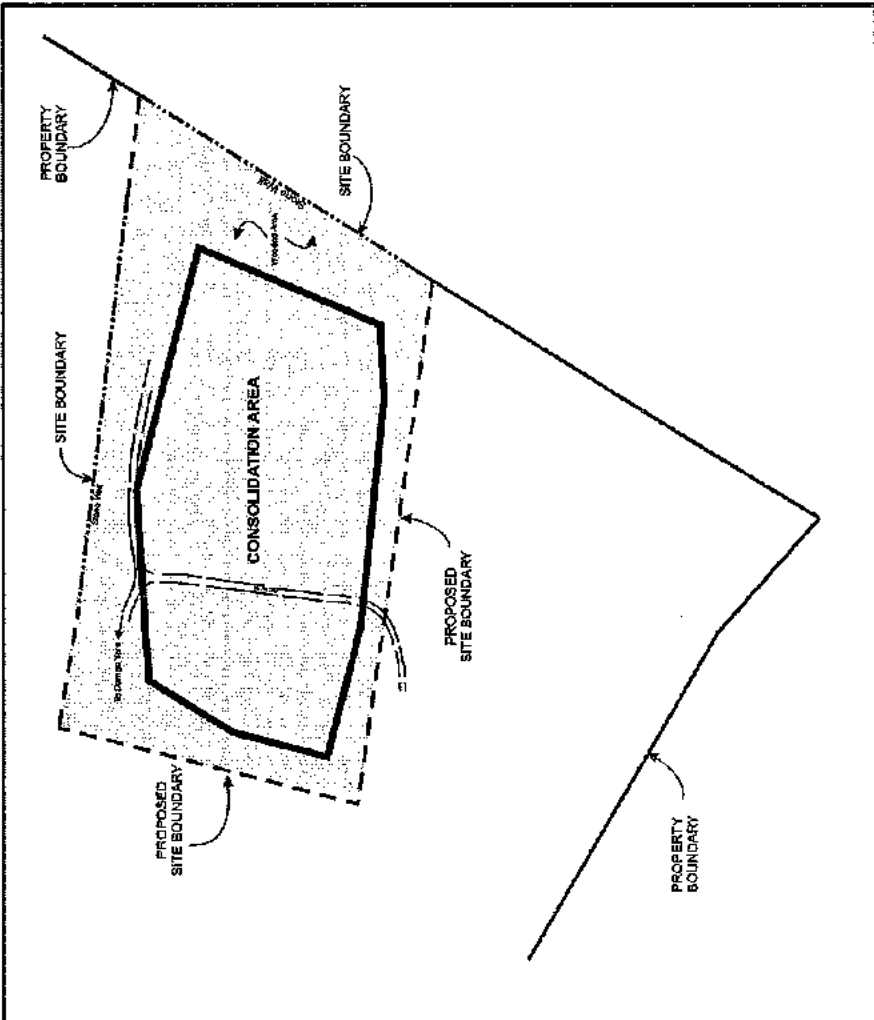


Prepared By: SPL 5/8/00
Reviewed By:
Revised By: MPT 5/26/00
Approved By: CBB 5/29/00

FIGURE 7
PROPOSED SITE BOUNDARY MAP

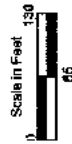


CURRENT SITE BOUNDARY PRE-CONSOLIDATION
APPROXIMATELY 9 ACRES



PROPOSED SITE BOUNDARY POST-CONSOLIDATION
APPROXIMATELY 4.5 ACRES

KEY	
	SITE
	STONE WALL



ALL LOCATIONS ARE APPROXIMATE

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GEOSCIENCE
CORP.**
One Civic Center Plaza, Suite 501, Poughkeepsie, NY 12601

Figure 7

Prepared By:	ADQ 4/27/05
Reviewed By:	CSB 2/10/10
Approved By:	CSB 2/10/10

PROPOSED SITE BOUNDARY MAP

F & T Darrigo Site
Newburgh, NY
FN050130

N ↑

**APPENDIX A
RECORD OF DECISION (ROD)
AND
EXPLANATION OF SIGNIFICANT DIFFERENCE (ESD)**



Department of Environmental Conservation

Division of Environmental Remediation

Record of Decision
F&T Darrigo Site
Town of Newburgh, Orange County
New York
Site Number 3-36-002

March 2003

New York State Department of Environmental Conservation
GEORGE E. PATAKI, *Governor* ERIN M. CROTTY, *Commissioner*

DECLARATION STATEMENT - RECORD OF DECISION

F&T Darrigo Inactive Hazardous Waste Disposal Site Town of Newburgh, Orange County, New York Site No. 3-36-002

Statement of Purpose and Basis

The Record of Decision (ROD) presents the selected remedy for the F&T Darrigo site, a Class 2 inactive hazardous waste disposal site. The selected remedial program was chosen in accordance with the New York State Environmental Conservation Law and is not inconsistent with the National Oil and Hazardous Substances Pollution Contingency Plan of March 8, 1990 (40CFR300), as amended.

This decision is based on the Administrative Record of the New York State Department of Environmental Conservation (NYSDEC) for the F&T Darrigo inactive hazardous waste disposal site, and the public's input to the Proposed Remedial Action Plan (PRAP) presented by the NYSDEC. A listing of the documents included as a part of the Administrative Record is included in Appendix B of the ROD.

Assessment of the Site

Actual or threatened releases of hazardous waste constituents from this site, if not addressed by implementing the response action selected in this ROD, presents a current or potential significant threat to public health and/or the environment.

Description of Selected Remedy

Based on the results of the Remedial Investigation and Feasibility Study (RI/FS) for the F&T Darrigo site and the criteria identified for evaluation of alternatives, the NYSDEC has selected phytoremediation with a soil cover. The components of the remedy are as follows:

- A remedial design program to verify the components of the conceptual design and provide the details necessary for the construction, operation and maintenance, and monitoring of the remedial program.
- Excavation and off-site disposal of soils with concentration of chromium greater than 1000 ppm. Removal of remaining impacted soils from the land spreading area and the placement of this soil onto the lagoons.

- Placement of caution tape followed by two feet of clean soil over the lagoon area. Planting of poplar trees in the lagoon area for phytoremediation. Installation of a chain link fence around the perimeter of the lagoons. Collection and composting of leaves from the trees and sampling of the compost for metals.
- Off-site disposal of soil previously excavated from the soil piles and the access road.
- A soils management plan to address residual contaminated soils that may be excavated from the site during future redevelopment.
- Institutional controls in the form of deed restrictions limiting the use and development of the site.
- Sampling of the on site monitoring wells semi-annually. A tree uptake study to aid in the determination of the effectiveness of this remedy and its applicability to other sites. Based on the evaluation of the results, the frequency of groundwater and soil sampling may be modified by the NYSDEC.
- Annual inspection and maintenance of the lagoon area including mowing of the lawn and inspection and maintenance of the soil cover and chain link fence.
- Annual certification by the property owner to the NYSDEC that the site is in compliance with the institutional controls outlined in this ROD.

New York State Department of Health Acceptance

The New York State Department of Health (NYSDOH) concurs that the remedy selected for this site is protective of human health.

Declaration

The selected remedy is protective of human health and the environment, complies with State and Federal requirements that are legally applicable or relevant and appropriate to the remedial action to the extent practicable, and is cost effective. This remedy utilizes permanent solutions and alternative treatment or resource recovery technologies, to the maximum extent practicable, and satisfies the preference for remedies that reduce toxicity, mobility, or volume as a principal element.

03/14/03

S/

Date

Dale A. Desnoyers, Director
Division of Environmental Remediation

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RECORD OF DECISION

**F&T Darrigo Site
Town of Newburgh, Orange County, New York
Site No. 3-36-002
March 2003**

SECTION 1: SUMMARY OF THE RECORD OF DECISION

The New York State Department of Environmental Conservation (NYSDEC) in consultation with the New York State Department of Health (NYSDOH) has selected this remedy to address the significant threat to human health and/or the environment created by the presence of hazardous waste at the F&T Darrigo Site, a Class 2 inactive hazardous waste disposal site. As more fully described in Sections 3 and 4 of this document, sludge and industrial waste disposal, septage storage, and land spreading activities have resulted in the disposal of a number of hazardous wastes, including heavy metals, at the site. These disposal activities have resulted in the following significant threat to the public health and/or the environment:

- a significant threat to human health associated with direct contact and ingestion of contaminants in on-site soils

In order to eliminate or mitigate the significant threats to the public health and/or the environment that the hazardous wastes disposed at the F&T Darrigo Site have caused, the following remedy was selected:

- A remedial design program to verify the components of the conceptual design and provide the details necessary for the construction, operation and maintenance, and monitoring of the remedial program.
- Excavation and off-site disposal of soils with concentration of chromium greater than 1000 ppm. Removal of remaining impacted soils from the land spreading area and the placement of this soil onto the lagoons.
- Placement of caution tape followed by two feet of clean soil over the lagoon area. Planting of poplar trees in the lagoon area for phytoremediation. Installation of a chain link fence around the perimeter of the lagoons. Collection and composting of leaves from the trees and sampling of the compost for metals.
- Off-site disposal of soil previously excavated from the soil piles and the access road.
- A soils management plan to address residual contaminated soils that may be excavated from the site during future redevelopment.

- Institutional controls in the form of deed restrictions limiting the use and development of the site.
- Sampling of the on site monitoring wells semi-annually. A tree uptake study to aid in the determination of the effectiveness of this remedy and its applicability to other sites.
- Annual inspection and maintenance of the lagoon area including mowing of the lawn and inspection and maintenance of the soil cover and chain link fence.
- Annual certification by the property owner to the NYSDEC that the site is in compliance with the institutional controls outlined in this ROD.

The selected remedy, discussed in detail in Section 8 of this document, is intended to attain the remediation goals selected for this site in Section 6 of this Record of Decision (ROD), in conformity with applicable standards, criteria, and guidance (SCGs).

SECTION 2: SITE LOCATION AND DESCRIPTION

The F&T Darrigo Site, Inactive Hazardous Waste Disposal Site No. 3-36-002, is located on Lakeside Road, immediately north of Interstate I-84, in the Town of Newburgh, Orange County. The site occupies one portion of the Darrigo property. The Darrigo property is currently operated as a lumber and landscaping materials yard, although the site itself is not being utilized.

The site occupies approximately 8 acres of the 59 acres owned by F&T Darrigo. The site was used for septage disposal and consists of two abandoned lagoons, a former soil pile area, and a land spreading area. The site is located in a residential area that is supplied by both municipal and private water. Residential properties are located to the North, East and West of the site and Route 84 is located to the South.

There are no perennial surface waters on the site and the nearest body of water is an unnamed creek located approximately 875 feet to the west of the site. A location map and site map are attached as Figures 1 and 2.

The site (Figure 2) is divided into three areas, described as follows:

Lagoons: The East Lagoon (1.33 acres) and the West Lagoon (0.67 acres) comprise a total area of approximately 2.0 acres. The lagoon areas were previously used for the storage of septic waste to be land spread in the area south of the West Lagoon. The lagoons are densely vegetated with shrub and thistle.

Former Soil Piles: A series of soil piles were previously located adjacent to the dirt access road, northeast of the lagoons. The soil piles were associated with historic sludge disposal activities and consisted of soil with blue-green coloring. The soil piles and a contaminated area of the access road were excavated during the Focused Remedial Investigation (FRI) and are staged on site waiting for disposal.

Land spreading Area: The land spreading area is located south of the West Lagoon, directly north of Interstate 84. The area occupies approximately one half acre and was historically used for the land spreading of septic waste.

SECTION 3: SITE HISTORY

3.1: Operational/Disposal History

The F&T Darrigo site began operation as a land spreading area for the spreading of sewage sludge in 1948 and continued until 1985. Previous reports and studies indicate that the site received an estimated 800,000 gallons per year of liquid wastes. It is suspected that hazardous wastes, including spent cleaning solution from metal finishing, furniture stripper, and battery waste containing lead was disposed of in the on site lagoons and land spread with the septage waste.

The site is currently operated as a lumber and landscaping materials yard.

3.2: Remedial History

In 1983, the NYSDEC placed the F&T Darrigo site on the NYS Inactive Hazardous Waste Disposal Site Registry (Registry) as a Class 2a site. This is a temporary classification assigned to sites where there is confirmed disposal of hazardous waste but there is inadequate data on hazardous waste impact to the environment and human health to assign them to the five classifications specified by law.

In March 1984, the NYSDEC collected samples of on site soils that revealed elevated concentrations of metals. In 1986, a state-funded Phase I Investigation was conducted that confirmed the presence of elevated concentrations of a variety of metals in on site soils.

In 1989 and 1990, a state-funded Phase II Investigation was conducted. A Phase II Investigation Report was submitted to the NYSDEC in January 1991 that confirmed the presence of metals at hazardous levels. The Phase II results indicated a small area of soil piles highly contaminated with metals and two lagoons, also with elevated concentrations of metals, although to a lesser degree. Groundwater samples collected during the Phase II indicated that the groundwater had not been affected. The Phase II Investigation concluded that further investigation was necessary to determine the extent of the contamination at the site and an appropriate remedial measure. This led to the necessity of a Focused Remedial

Investigation/Focused Feasibility Study (FRI/FFS). A FRI/FFS is conducted when the contamination at the site is known and the investigation can be focused to those areas.

In 1991, as a result of the Phase II Investigation, the NYSDEC reclassified the F&T Darrigo site from a Class 2a to a Class 2 on the Registry. Sites with this classification pose a significant threat to the public health or environment and action is required.

In March 1999, an Order on Consent requiring a FRI/FFS for the site was executed by F&T Darrigo and the NYSDEC.

SECTION 4: SITE CONTAMINATION

To evaluate the contamination present at the site and to evaluate remedial alternatives to address the significant threat to human health and the environment posed by the presence of hazardous waste, the owner of the F&T Darrigo Site has recently conducted a FRI/FFS.

4.1: Summary of the Focused Remedial Investigation

The purpose of the FRI was to define the nature and extent of contamination resulting from previous activities at the site.

From 1999 through 2001, remedial investigation activities were performed. Four monitoring wells were installed at the site and groundwater and soil samples were collected to delineate the extent of the contamination.

The RI was conducted in 3 phases. The first phase was conducted between July 1999 and October 1999, the second phase in February 2000, and the third phase between June 2001 and October 2001. A report entitled Focused Remedial Investigation Report, dated June 2002, has been prepared which describes the field activities and findings of the FRI in detail.

The FRI included the following activities:

- Survey of site features, including the lagoons, access road and soil piles;
- Installation of four monitoring wells and the collection of 108 soil samples for chemical analysis of soils and groundwater as well as physical properties of soil and hydrogeologic conditions;
- Excavation and on-site staging of the soil piles consisting of sewage and industrial waste sludge, and an adjacent portion of the access road that had high concentrations of contaminants.

To determine which media (soil, groundwater, etc.) are contaminated at levels of concern, the FRI analytical data was compared to environmental standards, criteria, and guidance values (SCGs). Groundwater, drinking water and surface water SCGs identified for the F&T Darrigo site are based on NYSDEC Ambient Water Quality Standards and Guidance Values and Part 5 of New York State Sanitary Code. For soils, NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046 provides soil cleanup guidelines for the protection of groundwater, background conditions, and health-based exposure scenarios. In addition, for soils, site specific background concentration levels can be considered for certain classes of contaminants.

Based on the FRI results, in comparison to the SCGs and potential public health and environmental exposure routes, certain media and areas of the site require remediation. These are summarized below. More complete information can be found in the FRI Report.

Chemical concentrations are reported in parts per million (ppm) for soils and sediment and parts per billion (ppb) for water. For comparison purposes, where applicable, SCGs are provided for each medium.

4.1.1: Site Geology and Hydrogeology

The surficial material at the site is mainly silt to a depth of 5 to 7 feet, underlain by 3 to 10 feet of brown till with shale fragments. Under the brown till is 5 to 10 feet of gray till with limestone fragments, underlain by bedrock. The depth to bedrock ranges from 17.5 feet in the land spreading area to 24.5 feet in the lagoons.

The groundwater elevation at the site fluctuates by approximately 5 feet depending on the time of year. During the fall and periods of high rain, the groundwater ranges from one to five feet below ground surface (bgs). During the summer months, the groundwater depth ranges from 5 to 9 feet bgs. Groundwater flow is to the south/southwest. Groundwater contours are shown on Figure 3.

4.1.2: Nature of Contamination

As described in the FRI report, many soil and groundwater samples were collected at the site to characterize the nature and extent of contamination. The main categories of contaminants which exceed their SCGs are inorganics (metals). The primary metals of concern are chromium, copper, lead, nickel and zinc.

4.1.3: Extent of Contamination

Tables 1A and 1B summarize the extent of contamination for the contaminants of concern in soil and groundwater respectively and compares the data with the SCGs for the site. The following is a summary of the findings of the investigation of soil and groundwater.

Soil

Soil investigations were conducted to assess the nature and extent of contamination in the lagoons, soil piles and land spreading area.

A total of 108 soil samples were collected during the FRI. A total of 56 samples were collected from the lagoons, with 38 samples collected from 21 locations in the East Lagoon and 18 samples collected from 9 locations in the West Lagoon. A total of 18 samples were collected from the former soil pile locations and 30 samples were collected from the land spreading area at 12 different locations. Four samples were also collected from two locations north of the lagoons in the woods for background information.

Samples in the lagoons were collected mainly from shallow depths, ranging from 4 inches bgs to 18 inches bgs. At 3 boring locations in the East Lagoon and 2 boring locations in the West Lagoon, samples were collected at 5 foot intervals down to bedrock. The boring samples were analyzed for Target Compound List (TCL) VOCs/SVOCs, pesticides/PCBs, Target Analyte List (TAL) metals and cyanide. In addition, 2 shallow samples from each lagoon were analyzed for these parameters. The remaining samples, with the exception of 4 shallow samples in the East Lagoon that were sampled for PCBs, were analyzed for only the five metals of concern. Each of the lagoons exhibited fairly uniform contamination throughout. The elevated concentrations of metals were mainly confined to surface soils to a depth of 2 feet below ground surface (bgs). In isolated areas within the lagoons, the elevated concentrations extended to up to 5 feet bgs. Maximum concentrations of the five metals of concern within the lagoons were 1520 ppm copper, 2250 ppm chromium, 663 ppm lead, 219 ppm nickel, and 1040 ppm zinc. The SCGs for these compounds are 50 ppm for copper, 40 ppm for chromium, 61-500 ppm for lead, 25 ppm for nickel and 50 ppm for zinc. Exceedances of SCGs were also detected in a limited number of samples for other metals, including cadmium, mercury, arsenic and barium. Levels of these metals were detected at maximum levels of 14.1 ppm, 2.2 ppm, 29.1 ppm and 777 ppm, respectively. The SCGs for these metals are 1 ppm for cadmium, 0.2 ppm for mercury (New York State background level), 12 ppm for arsenic and 600 ppm for barium. Low levels of PCBs were detected in some of the samples from the East Lagoon, with all results less than 1 ppm. One sample had elevated SVOCs, but no other samples had SVOCs detected. No pesticides or VOCs were detected in any of the samples.

A total of 13 samples within the lagoons were sampled to determine if the soil was hazardous via the EP Toxicity test and the Toxicity Characteristic Leaching Procedure (TCLP). Of the 13 samples, 12 were tested by the EP Toxicity test and one was tested via TCLP. Sample results are shown in Table 1C. The sample results were below regulatory guidelines and therefore the soil tested was determined not to be a hazardous waste.

Samples from the soil piles were collected at 4 inches and 18 inches from the top of the piles. Two of the shallow samples were analyzed for TCL VOCs/SVOCs, pesticides/PCBs, TAL metals and cyanide, while the remainder of the samples were analyzed for only the five metals

of concern. Sampling from the soil piles indicated that the five metals of concern at and above the original ground surface were at concentrations that exceeded 100,000 ppm. Sampling also confirmed that the contamination had not migrated in significant concentration to below ground surface. Due to the elevated levels of metals, the two former soil piles and an area of contamination along the access road located below the West Lagoon were excavated and staged on site.

Approximately 200 tons of contaminated soil was excavated from the three areas. Post-excavation confirmatory samples were collected from the base and side walls of the excavations to determine if the contamination had been removed. The results of the confirmatory samples exhibited elevated levels of metals, which led to additional excavation in all three areas. The second phase of excavation removed 250 tons of contaminated soil. Confirmatory samples were again collected from the base and side walls of the excavations. These confirmatory samples concluded that the contaminated areas had been successfully removed. Figure 5 shows the excavation areas. Table 1D summarizes the concentrations of metals in the confirmatory samples after the excavation.

Samples in the land spreading area were collected from the ground surface to approximately 2 feet bgs in 6 locations and from ground surface to 12 inches bgs in 6 other locations. All samples were analyzed for the five metals of concern. Maximum concentrations of the five metals of concern in the land spreading area were 1410 ppm copper, 2210 ppm chromium, 1560 ppm lead, 253 ppm nickel, and 983 ppm zinc. The results of the sampling in the land spreading area revealed isolated "hot spots" that showed elevated levels of contaminants mainly in the upper 12 inches of soil, with a few areas extending to 2 feet bgs.

The background samples were taken in a wooded area north of the lagoons and were collected from ground surface and 12 inches bgs at two separate locations. The 4 samples were analyzed for the five metals of concern. Only zinc exceeded the SCG of 9-50 ppm with levels at 55.6 ppm and 114 ppm.

Groundwater

A total of four monitoring wells were installed during the FRI. Two monitoring wells were installed prior to the FRI, one located upgradient of the soil piles (GWFT-1) installed to a depth of 16 feet and one located in the northeast section of the East Lagoon (GWFT-2) installed to a depth of 18 feet.

Two shallow groundwater monitoring wells were installed in November 1999. The wells were located downgradient of the two lagoons, with one in the land spreading area (M-3) and one west of the land spreading area (M-4). Well M-3 was installed to a depth of 17.5 feet and well M-4 was installed to a depth of 17 feet. Wells GWFT-2, M-3 and M-4 were sampled in November 1999. Two additional wells were installed in August 2001 within the lagoons. Well M-5 was installed to a depth of 24.5 feet and was located within the West Lagoon. Well M-6

was installed to a depth of 24 feet and was located within the East Lagoon. The wells were located in the deepest part of each lagoon. Wells GWFT-2, M-3, M-4, M-5 and M-6 were sampled in August 2001. The groundwater monitoring wells are shown on Figure 4.

No metals of concern were detected above SCGs in the groundwater samples. Iron and manganese levels were detected at levels above SCGs, with a maximum iron concentration of 7430 ppb and a maximum manganese concentration of 518 ppb. The SCG for iron and manganese is 300 ppb for each compound. The SCG for the sum of iron and manganese is 500 ppb. Aluminum was also detected above the SCG value of 100 ppb at a maximum concentration of 5460 ppb. These results were determined to not be site related, but rather a common occurrence in groundwater throughout the local area.

4.2: Summary of Human Exposure Pathways:

This section describes the types of human exposures that may present added health risks to persons at or around the site. A more detailed discussion of the health risks can be found in Section 4.0 of the FRI report.

An exposure pathway is the manner by which an individual may come in contact with a contaminant. The five elements of an exposure pathway are 1) the source of contamination; 2) the environmental media and transport mechanisms; 3) the point of exposure; 4) the route of exposure; and 5) the receptor population. These elements of an exposure pathway may be based on past, present, or future events.

Pathways which are known to or may exist at the site include:

- Ingestion of soil,
- Direct contact with soil.

The residential properties surrounding the site utilize both municipal water and private wells. Analysis from three private wells indicates that contamination from the site has not impacted these wells.

The site is not secure and access could be gained to the contaminated areas. Since there is contamination in surface soils, exposure via ingestion or direct contact is a potential exposure pathway.

4.3: Summary of Environmental Exposure Pathways

This section summarizes the types of environmental exposures and ecological risks which may be presented by the site. The Fish and Wildlife Impact Assessment included in the FRI presents a more detailed discussion of the potential impacts from the site to wildlife

resources. The following pathways for environmental exposure and/or ecological risks have been identified:

- Ingestion of soil,
- Direct contact with soil.

The site is not secure and access could be gained to the contaminated areas. Since there is contamination in surface soils, exposure via ingestion or direct contact is a potential exposure pathway. There are no known occurrences of endangered or threatened wildlife or plant species or critical habitat within a two-mile radius of the site, with the exception of the Red Maple Hardwood Swamp Community, located within a one-half mile radius of the site. As a result of delineating the extent of the contamination, on site, there is no reason to suspect that the contamination would reach this ecological community.

SECTION 5: ENFORCEMENT STATUS

Potentially Responsible Parties (PRPs) are those who may be legally liable for contamination at a site. This may include past or present owners and operators, waste generators, and haulers.

The NYSDEC and F&T Darrigo entered into a Consent Order on March 29, 1999. The Order obligates the responsible parties to implement a FRI/FFS remedial program. Upon issuance of the Record of Decision the NYSDEC will approach the PRPs to implement the selected remedy under an Order on Consent.

SECTION 6: SUMMARY OF THE REMEDIATION GOALS

Goals for the remedial program have been established through the remedy selection process stated in 6 NYCRR Part 375-1.10. The overall remedial goal is to meet all SCGs and be protective of human health and the environment. At a minimum, the remedy selected must eliminate or mitigate all significant threats to public health and/or the environment presented by the hazardous waste disposed at the site through the proper application of scientific and engineering principles.

The goals selected for this site are:

- Eliminate, to the extent practicable, exposures to the contaminated soil.
- Eliminate, to the extent practicable, the migration of contaminants into the groundwater.

SECTION 7: SUMMARY OF THE EVALUATION OF ALTERNATIVES

The selected remedy must be protective of human health and the environment, be cost effective, comply with other statutory laws and utilize permanent solutions, alternative technologies or resource recovery technologies to the maximum extent practicable. Potential remedial alternatives for the F&T Darrigo site were identified, screened and evaluated in the report entitled Focused Feasibility Study, F&T Darrigo Site, dated August 2002.

A summary of the detailed analysis follows. As presented below, the time to implement reflects only the time required to implement the remedy, and does not include the time required to design the remedy, procure contracts for design and construction or to negotiate with responsible parties for implementation of the remedy.

7.1: Description of Remedial Alternatives

The potential remedies are intended to address the contaminated soils at the site.

Alternative 1: No Action

The No Action alternative is evaluated as a procedural requirement and as a basis for comparison. This alternative would leave the site in its present condition and would not provide any additional protection to human health or the environment.

Alternative 2: Institutional Controls

<i>Present Worth:</i>	<i>\$ 2,000</i>
<i>Capital Cost:</i>	<i>\$ 0</i>
<i>Annual O&M:</i>	<i>\$ 500</i>
<i>Time to Implement</i>	<i>1 month</i>

Alternative 2 would leave the site in its current condition but would provide institutional controls, such as a deed restriction on affected soil. Annual site reviews to certify compliance with the institutional controls would be implemented as part of this alternative.

Alternative 3: Excavation and Off-Site Disposal of Contaminated Soil in the Lagoons and Land Spreading Area

<i>Present Worth:</i>	<i>\$ 1,930,000</i>
<i>Capital Cost:</i>	<i>\$ 1,930,000</i>
<i>Annual O&M:</i>	<i>\$ 0</i>
<i>Time to Implement</i>	<i>3 - 6 months</i>

Alternative 3 would include excavation of the lagoon areas (2.0 acres) and excavation of hot spots identified in the land spreading area (0.09 acres). A total of twelve areas in the land spreading area where sampling indicated elevated levels of metals would be excavated to a 25-

foot diameter around the original sampling location. The excavations of the lagoon and land spreading area would generally extend from one foot to two feet bgs, and possibly deeper in up to 10% of the overall area. The total soil to be excavated would be approximately 6,500 cubic yards.

The excavation would be conducted using conventional earthmoving equipment, such as backhoes and front end loaders. Clearing and grubbing would be required to remove thick vegetation that has grown over the lagoons and land spreading area. It is not expected that shoring would be required due to the limited depth of the excavations.

The excavated soil targeted for disposal would be loaded into trucks and transported to a licensed Treatment, Storage and Disposal Facility (TSDF) for disposal. Sampling of the soils, either before or after excavation, would need to be performed to characterize the soils for disposal purposes before off site disposal. For cost estimating purposes, it is assumed that one sample per 250 cubic yards would be collected for characterization purposes. The samples would be analyzed via TCLP to determine if the soil is a hazardous waste. The soil would be characterized to determine the type of disposal facility.

The soils previously excavated from the soil piles and the access road would be disposed of off-site as part of this alternative. The soils are currently staged on site and have been sampled for characterization purposes and found to be non-hazardous.

Post excavation samples would be collected approximately every 1,000 square feet and analyzed for the five metals of concern. If sample results do not meet the SCGs for the site, additional excavation would be performed and new confirmatory samples collected. This process would be performed until the confirmatory sampling results meet site specific SCGs.

After excavation and confirmatory sampling of each area, clean backfill from elsewhere on the site or off site would be placed into the excavation area of the lagoons and land spreading area to bring the excavation to grade. On-site soil to be used would be sampled prior to backfilling. The areas would be re-graded and seeded to prevent erosion.

Alternative 4: Caution Tape and Deed Restriction

<i>Present Worth:</i>	<i>\$ 235,000</i>
<i>Capital Cost:</i>	<i>\$ 215,000</i>
<i>Annual O&M:</i>	<i>\$ 5,000</i>
<i>Time to Implement</i>	<i>2 - 4 months</i>

Alternative 4 would consist of removal of impacted soils from the land spreading area and the placement of this soil onto the lagoons. Caution tape would then be installed over the lagoons, with a deed restriction placed on this portion of the site.

Excavation of hot spots identified in the land spreading area would be excavated for placement in the lagoons. A total of twelve areas in the land spreading area where sampling indicated elevated levels of metals would be excavated to a 25-foot diameter around the original sampling location and to a depth ranging from one foot to two feet bgs. The excavation in this area would total approximately 400 cubic yards of material. The locations to be relocated are illustrated on Figure 6. Confirmatory sampling would be performed to ensure removal of soil in the land spreading area with metals concentrations over SCGs.

The caution tape to be placed over the lagoons after the consolidation of the soil from the land spreading area would be overlain by clean soil and topsoil. The soil cover would prevent direct contact of the contaminated soils. The caution tape would be installed in a grid pattern over the barrier to warn persons who are inadvertently digging in this area that contaminated soil is below. The caution tape would be overlain by at least one and a half feet of clean fill and six inches of topsoil for vegetation, for a total soil cover of two feet. The area would then be seeded for vegetation.

The soils previously excavated from the soil piles and the access road would be disposed of off-site as part of this alternative. The soils are currently staged on site and have been sampled for characterization purposes and found to be non-hazardous.

Two monitoring wells would be installed at the completion of the work for future groundwater monitoring. Monitoring would include annual sampling of the monitoring wells, mowing and inspection of the integrity of the barrier and soil cover. Maintenance of the barrier and soil cover would be performed as necessary.

A deed restriction would be placed on the area of the lagoons to limit access and utilization of this portion of the site. Annual certifications would be performed to ensure compliance with the deed restriction.

Alternative 5: Phytoremediation

<i>Present Worth:</i>	<i>\$ 290,000</i>
<i>Capital Cost:</i>	<i>\$ 235,000</i>
<i>Annual O&M:</i>	<i>\$ 15,000</i>
<i>Time to Implement</i>	<i>2 - 6 years</i>

Alternative 5 would consist of excavation and off site disposal of areas with high levels of chromium within the lagoons and land spreading area, and the removal of remaining impacted soils from the land spreading area and the placement of this soil onto the lagoons, followed by the implementation of phytoremediation in the lagoons. The area to be excavated in the lagoon area for off-site disposal are shown on Figure 7A. The areas in the land spreading area to be excavated for off-site disposal and to be relocated to the lagoons are illustrated in Figure 7B.

Excavation of areas in the lagoons and land spreading area with levels of chromium greater than 1000 ppm would be excavated and disposed of off-site at a licensed facility. Excavation of areas with elevated concentrations of chromium would be removed to expedite remediation.

Approximately 320 cubic yards of material would be disposed of off site. The remaining contaminated areas identified in the land spreading area would be excavated for placement in the lagoons. A total of twelve areas in the land spreading area where sampling indicated elevated levels of metals would be excavated to a 25-foot diameter around the original sampling location and to a depth ranging from one foot to two feet bgs. The excavation in this area would total approximately 300 cubic yards of material after the removal of the soil with chromium concentrations greater than 1000 ppm. Confirmatory sampling would be performed to ensure removal of soil in the land spreading area with metals concentrations over SCGs.

Excavated soil for off site disposal and soil from the land spreading area would be loaded directly into trucks for transporting or would be staged on site until transport. Staged soils would be placed on plastic sheeting and covered with plastic. A berm would be constructed around the staging area to prevent run off.

Caution tape followed by two feet of clean fill would be placed over the lagoons. Caution tape would serve as a indicator of the location of the contaminated soil for future sampling and inspection of the soil cover. Poplar trees would then be planted throughout the lagoons for phytoremediation. These trees would bioaccumulate the metals, thereby remediating the soil.

Poplar trees would be chosen since they have been shown to be effective for the site specific metals of concern. The poplar root system extends down to approximately 15 feet bgs. The contamination at the site is confined mostly to the top two feet and would be between two and four feet bgs after the placement of a clean fill cover. Current data on the phytoremediation process indicates that the majority of the metals bioaccumulate in the trunks and stems of the trees rather than in the leaves. Leaves would be raked as needed and collected for composting on site. Composted leaves would be sampled for metals. If concentrations of metals in the compost are below TAGM 4046 guidance values, the compost would be spread at the site. Otherwise, the compost would be disposed of off-site at a licensed disposal facility.

The remedial process is expected to take at least six years. Every two years, the soil in the lagoon area, located below the caution tape, would be analyzed for the five metals of concern to determine the effectiveness of the phytoremediation. The fate of the trees after remediation would be determined during the remedial design and on the analytical data collected in the monitoring period.

A chain link fence would be placed around the perimeter of the lagoons to limit access by people and wildlife.

The soils previously excavated from the soil piles and the access road would be disposed of off-site as part of this alternative. The soils are currently staged on site and have been sampled for characterization purposes and found to be non-hazardous.

The on site monitoring wells would be sampled semi-annually. The frequency of sampling and the need for continued sampling would be evaluated periodically by the NYSDEC.

Institutional controls would be implemented in the form of existing use and development restrictions limiting the use of site. Annual certifications would be performed to ensure compliance with the institutional controls.

Alternative 6: Impermeable Barrier and Deed Restriction

<i>Present Worth:</i>	<i>\$ 430,000</i>
<i>Capital Cost:</i>	<i>\$ 330,000</i>
<i>Annual O&M:</i>	<i>\$ 14,000</i>
<i>Time to Implement</i>	<i>2 - 4 months</i>

Alternative 6 would consist of removal of impacted soils from the land spreading area and the placement of this soil onto the lagoons. An impermeable flexible bituminous pavement would then be installed over the lagoons, with a deed restriction placed on this portion of the site.

Excavation of hot spots identified in the land spreading area would be excavated for placement in the lagoons. A total of twelve areas in the land spreading area where sampling indicated elevated levels of metals would be excavated to a 25-foot diameter around the original sampling location and to a depth ranging from one foot to two feet bgs. The excavation in this area would total approximately 400 cubic yards of material. The areas to be relocated are the same as discussed in Alternative 3, as shown on Figure 6.

A six-inch gravel sub-base would first be placed over the lagoons for support of the pavement cap. Two inches of a base course of bituminous pavement would be placed over the sub-base. The impermeable layer would prevent direct contact of the contaminated soils and would limit infiltration of precipitation. One inch of a wearing course would be placed over the pavement to provide a seal and to further limit infiltration of precipitation.

The soils previously excavated from the soil piles and the access road would be disposed of off-site as part of this alternative. The soils are currently staged on site and have been sampled for characterization purposes and found to be non-hazardous.

Monitoring would include annual inspection and periodic re-sealing of the pavement. The pavement cap would need to be replaced after approximately 20 years.

A deed restriction would be placed on the area of the lagoons to limit access and utilization of this portion of the site.

7.2: Evaluation of Remedial Alternatives

The criteria used to compare the potential remedial alternatives are defined in the regulation that directs the remediation of inactive hazardous waste sites in New York State (6 NYCRR Part 375). For each of the criteria, a brief description is provided, followed by an evaluation of the alternatives against that criterion. A detailed discussion of the evaluation criteria and comparative analysis is included in the FFS.

The first two evaluation criteria are termed threshold criteria and must be satisfied in order for an alternative to be considered for selection.

1. Compliance with New York State Standards, Criteria, and Guidance (SCGs). Compliance with SCGs addresses whether or not a remedy will meet applicable environmental laws, regulations, standards, and guidance. The most significant SCGs for the Darrigo site include those for metals which are site background levels, or standard background levels for the northeastern United States.

Alternatives 1, 2, 4 and 6 would not meet site specific SCGs, which are eastern soil background levels for metals. Alternative 4 would monitor groundwater to ensure there is no exceedance of groundwater SCGs. Alternative 3 would achieve compliance with SCGs. Alternative 5 would achieve SCGs, however it would be over an extended period of time. In addition, there is the potential for the SCGs for chromium to not be reached.

2. Protection of Human Health and the Environment. This criterion is an overall evaluation of each alternative's ability to protect public health and the environment.

In comparing the remedial alternatives, Alternatives 1 and 2 would provide the least protection of human health and the environment as the contaminated soils may be directly contacted by persons in the lagoon area. The remaining alternatives would each provide protection of human health either by removing the contamination for the site, as in Alternative 3, or by creating a barrier to prevent contact, as in Alternatives 4 and 6. Alternative 5 would accomplish both, with the contamination being remediated over an extended period of time, in addition to a soil cover to prevent direct contact. Alternative 3 would provide the highest protection of the environment by removal of the source followed by Alternative 5. Alternatives 4 and 6 would also provide protection, although to a lesser extent, by isolating and monitoring the source.

The next five "primary balancing criteria" are used to compare the positive and negative aspects of each of the remedial strategies.

3. Short-term Effectiveness. The potential short-term adverse impacts of the remedial action upon the community, the workers, and the environment during the construction and/or

implementation are evaluated. The length of time needed to achieve the remedial objectives is also estimated and compared against the other alternatives.

No short-term impacts would result from the implementation of Alternative 1 or 2 as this alternative does not include any active remediation of contaminated soil. Alternatives 1 and 2 would not meet remedial objectives.

Alternative 3 would have greater short term impacts than Alternatives 4, 5 and 6 since a larger amount of excavation would be required. Dust would be generated from excavation and trucking of the soil off site. Other short term impacts associated with trucking of soil would include increased traffic, noise and exhaust vapor. Alternatives 4, 5 and 6 would have similar short term impacts associated with the excavation of the soils in the land spreading area and placement of the soil on the lagoons. Alternative 6 would have greater short term impacts than Alternative 4 since three layers of material would be used to cover the lagoon area as opposed to one layer for Alternative 4. Alternative 5 would have similar short term impacts to Alternative 4, and would also involve the planting of trees and installation of a fence.

Neither Alternative 4 nor 6 would achieve remedial objectives. Alternative 3 would achieve remedial objectives in the most timely manner, within 6 months. Alternative 5 would achieve remedial objectives, although with an extended time frame of up to 6 years. A Community Air Monitoring Plan (CAMP) would be prepared for all Alternatives except Alternatives 1 and 2. The CAMP would provide measures to mitigate impacts and prevent potential exposures.

4. Long-term Effectiveness and Permanence. This criterion evaluates the long-term effectiveness of the remedial alternatives after implementation. If wastes or treated residuals remain on site after the selected remedy has been implemented, the following items are evaluated: 1) the magnitude of the remaining risks, 2) the adequacy of the controls intended to limit the risk, and 3) the reliability of these controls.

Alternatives 1 and 2 would provide the least long-term effectiveness and permanence as contaminated soil would remain on site and untreated.

Alternatives 4 and 6 would both prevent direct contact with contaminated soils. Alternative 6 would have to be replaced after approximately 20 years.

Alternative 5 would be an effective long term remedy since the contamination would be removed from the soil by phytoremediation. Alternative 3 would also be effective long term since the contamination would be permanently removed from the site.

5. Reduction of Toxicity, Mobility or Volume. Preference is given to alternatives that permanently and significantly reduce the toxicity, mobility or volume of the wastes at the site.

Alternatives 1 and 2 would not achieve reduction in the toxicity, mobility or volume of contamination present, as contaminants would remain on site in their current condition.

Alternatives 4 and 6 would not achieve a reduction in the toxicity or volume of contamination present since contaminated soils would remain on site. Alternative 6 would decrease the mobility by providing an impermeable barrier that would prevent infiltration of precipitation.

Alternative 3 would not decrease the toxicity of the contamination, although it would be removed from the site so it would no longer be mobile. Alternative 5 would reduce the toxicity and mobility by removing contaminants from the soil via treatment.

6. Implementability. The technical and administrative feasibility of implementing each alternative are evaluated. Technical feasibility includes the difficulties associated with the construction and the ability to monitor the effectiveness of the remedy. For administrative feasibility, the availability of the necessary personnel and material is evaluated along with potential difficulties in obtaining specific operating approvals, access for construction, etc.

Alternatives 1 and 2 would be the easiest alternative to implement as it would maintain the current conditions at the site and Alternative 2 would add institutional measures.

Alternatives 3, 4, 5 and 6 are equally easy to implement since the materials, equipment and skilled personnel required are readily available. In addition, since there is no activity on the site, there would be no disruption of operations.

7. Cost. Capital and operation and maintenance costs are estimated for each alternative and compared on a present worth basis. Although cost is the last balancing criterion evaluated, where two or more alternatives have met the requirements of the remaining criteria, cost effectiveness can be used as the basis for the final decision. The costs for each alternative are presented in Table 2.

Alternative 1, No Action, would have the lowest estimated present worth cost since no action would be taken. Alternative 2 would have the next lowest cost (\$2,000) associated with annual reviews of the institutional controls.

Alternative 4 has a lower estimated present worth cost (\$235,000) than Alternatives 3, 5 and 6. Alternative 5 has a lower estimated present worth cost (\$290,000) than Alternatives 3 and 6. Alternative 6 has a lower estimated present worth cost (\$430,000) than Alternative 3 (\$1,930,000). Alternative 3 is the most costly of the alternatives due to the extensive capital cost.

This final criterion is considered a modifying criterion and is taken into account after evaluating those above. It is evaluated after public comments on the Proposed Remedial Action Plan have been received.

8. Community Acceptance - Concerns of the community regarding the RI/FS reports and the PRAP have been evaluated. The responsiveness summary (Appendix A) presents the public comments received and the manner in which the NYSDEC addressed the concerns raised.

No significant public comments were received regarding the selected remedy.

SECTION 8: SUMMARY OF THE SELECTED REMEDY

Based on the results of the RI/FS, and the evaluation presented in Section 7, the NYSDEC is selecting Alternative 5 as the remedy for this site. Alternative 5 involves removal of impacted soils with levels of chromium greater than 1000 ppm to be excavated and disposed of off-site, removal of remaining impacted soils from the land spreading area and the placement of this soil onto the lagoons followed by the implementation of phytoremediation in the lagoons.

This selection is based on the evaluation of five alternatives developed for this site. With the exception of Alternatives 1 and 2, each of the alternatives would comply with the threshold criteria of overall protection of human health and the environment. Alternative 1, Alternative 2, Alternative 4 and Alternative 6 do not meet the threshold criteria of compliance with SCGs. In addition, with the exception of the No Action alternative and Institutional Controls alternative, all alternatives are similar with respect to the majority of the balancing criteria. The major differences between these alternatives are with the reduction of toxicity, mobility and volume, and cost. Alternatives 4 and 6 leave contamination on site and do not reduce toxicity or volume. However, sampling has shown that the soil contamination is not mobile and is not impacting groundwater. Alternative 3 would not reduce the toxicity, but would remove the contamination from the site. Alternative 5 would reduce the toxicity and mobility in the soil by removing the contamination. Alternatives 4, 5 and 6 had similar costs, with Alternative 3 being considerable higher.

Alternative 5 will remove the metals of concern from the soil. Alternative 5 is less costly than the other alternatives and is easier to implement than Alternatives 3 and 6. Alternative 5 will eliminate the threat direct contact of contaminated soil by the placement of a two foot soil cover over the contaminated soils and the installation of a fence around the perimeter of the lagoons.

The estimated present worth cost to implement the remedy is \$290,000. The cost to construct the remedy is estimated to be \$235,000 and the estimated average annual operation and maintenance cost for 6 years is \$15,000.

The elements of the selected remedy are as follows:

- 1) A remedial design program to verify the components of the conceptual design and provide the details necessary for the construction, operation and maintenance, and monitoring of the remedial program. Any uncertainties identified during the RI/FS would be resolved.
- 2) Excavation and off-site disposal of soils with concentration of chromium greater than 1000 ppm. Removal of remaining impacted soils from the land spreading area and the placement of this soil onto the lagoons.
- 3) Placement of caution tape followed by two feet of clean soil over the lagoon area. Planting of poplar trees in the lagoon area for phytoremediation. The spacing of the trees will be determined during the Remedial Design. Installation of a chain link fence around the perimeter of the lagoons. Collection and composting of leaves from the trees and sampling of the compost for metals. The compost will be spread on site or disposed of off-site depending on sample results.
- 4) Off-site disposal of soil previously excavated from the soil piles and the access road.
- 5) A soils management plan will be developed to address residual contaminated soils that may be excavated from the site during future redevelopment. The plan will require soil characterization and, where applicable, disposal/reuse in accordance with NYSDEC regulations.
- 6) Institutional controls in the form of deed restrictions limiting the use and development of the site.
- 7) Since the remedy results in untreated contamination at the site, long-term monitoring will be implemented at the site. Sampling of the on site monitoring wells semi-annually. If the results indicate migration of the contaminants, steps will be taken to alter the remedy at the site to mitigate the problem. This program, along with the soil sampling, will allow the effectiveness of the phytoremediation to be monitored and will be a component of the operation and maintenance for the site. A tree uptake study will also be completed to aid in the determination of the effectiveness of this remedy and its applicability to other sites. Based on the evaluation of the results, the frequency of groundwater and soil sampling may be modified by the NYSDEC.
- 8) Annual inspection and maintenance of the lagoon area including mowing of the lawn and inspection and maintenance of the soil cover and chain link fence. The soil cover will be inspected for any exposure of the caution tape and will be repaired and maintained as necessary.
- 9) Annual certification by the property owner to the NYSDEC that the site is in compliance with the institutional controls outlined in this ROD.

SECTION 9: HIGHLIGHTS OF COMMUNITY PARTICIPATION

As part of the remedial investigation process, a number of Citizen Participation activities were undertaken to inform and educate the public about conditions at the site and the potential remedial alternatives. The following public participation activities were conducted for the site:

- Repositories for documents pertaining to the site were established.
- A public contact list, which included nearby property owners, elected officials, local media and other interested parties, was established.
- In June 2001 a Fact Sheet was mailed describing the investigation.
- In January 2003, a Fact Sheet was mailed announcing availability of the PRAP and the public meeting.
- A public meeting was held on January 28, 2003 to present and receive comment on the PRAP.
- A responsiveness summary (Appendix A) was prepared to address the comments received during the public comment period for the PRAP.

Table 1A
Nature and Extent of Contamination
Lagoon and Land Spreading Area Soils
1999 - 2001

MEDIUM	CATEGORY	CONTAMINANT OF CONCERN	CONCENTRATION RANGE (ppm)	FREQUENCY of EXCEEDING SCGs/Background	SCG/ Bkgd. (ppm)
Soil (Lagoons)	Metals	Chromium	14.4 to 2250	27 of 56	40/12*
		Copper	23.5 to 1520	35 of 56	50/13*
		Nickel	14.4 to 219	33 of 56	25/13*
		Lead	1.5 to 663	34 of 56 25 of 56	25/17* 60
		Zinc	57.9 to 1040	56 of 56	50/48*
		Mercury	ND to 2.2	4 of 20	0.1/0.2**
		Cadmium	ND to 14.1	3 of 20	1/1**
		Barium	41.4 to 777	1 of 20	300/600**
		Arsenic	ND to 29.1	13 of 20	7.5/12***
Soils (Land-spreading Area)	Metals	Chromium	10.4 to 2210	21 of 30	40
		Copper	9.8 to 1410	20 of 30	50
		Nickel	10.5 to 349	26 of 30	25
		Lead	9.1 to 1560	23 of 30 10 of 30	25 60
		Zinc	42.4 to 983	29 of 30	50

* Site-specific Background

** Eastern USA Background

*** New York State Background

Table 1B
Nature and Extent of Contamination
Groundwater
1999-2001

MEDIUM	CATEGORY	CONTAMINANT OF CONCERN	CONCENTRATION RANGE (ppb)	FREQUENCY of EXCEEDING SCGs/Background	SCG (ppb)
Groundwater	Metals	Aluminum	14.3 to 5,460	6 of 8	100
		Iron	33.3 to 7,430	6 of 8	300
		Manganese	ND to 518	6 of 8	300

Table 1C
Nature and Extent of Contamination
EP Toxicity (1990) and TCLP (1999)

MEDIUM	CATEGORY	CONTAMINANT OF CONCERN	CONCENTRATION RANGE (ppb)	FREQUENCY of EXCEEDING REGULATORY GUIDELINES	REGULATORY GUIDELINES (ppb)
Soil (Lagoon)	EP Toxicity	Chromium	ND to 8.0	0 of 12	5,000
		Lead	ND to 22.9	0 of 12	5,000
		Barium	56.0 to 357.0	0 of 12	100,000
		Cadmium	ND to 4.7	0 of 12	1,000
Soils (Lagoon)	TCLP	Chromium	23.9	0 of 1	5,000
		Copper	618	0 of 1	NA
		Nickel	306	0 of 1	NA
		Lead	100	0 of 1	5,000
		Zinc	3600	0 of 1	NA

NA - Not Applicable

EP Toxicity and TCLP testing are performed to determine if the waste meets the regulatory definition of a hazardous waste. A waste is considered hazardous by definition if the sample extract contains levels of contaminants above regulatory guidelines.

Table 1D
Nature and Extent of Contamination
Former Soil Piles
2001

MEDIUM	CATEGORY	CONTAMINANT OF CONCERN	CONCENTRATIO N RANGE (ppm)	FREQUENCY of EXCEEDING SCGs/Backgroun d	SCG/ Bkgd. (ppm)
Soils (Post Excavation Samples)	Metals	Chromium	14.1 to 132	3 of 18	40
		Copper	13.7 to 161	3 of 18	50
		Nickel	17.3 to 82.5	8 of 18	25
		Lead	6.1 to 38.9	0 of 18	60
		Zinc	44.6 to 139	14 of 18	50

Table 2
Remedial Alternative Costs

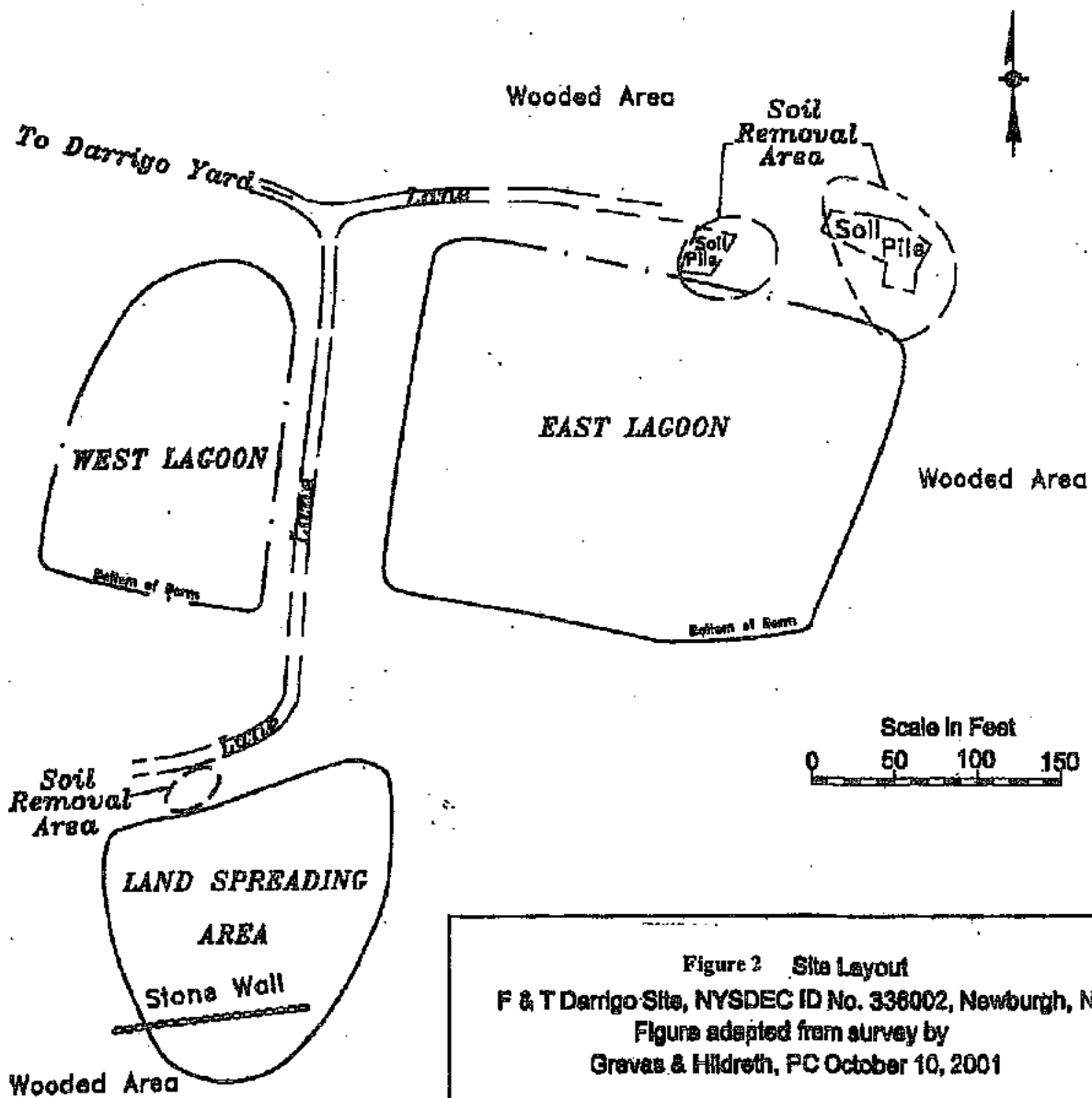
Remedial Alternative	Capital Cost	Annual O&M	Total Present Worth
Alternative 1 - No Action	\$0	\$0	\$0
Alternative 2 - Institutional Controls	\$0	\$500	\$2,000
Alternative 3 - Excavation and off-site disposal	\$1,930,000	\$0	\$1,930,000
Alternative 4 - Caution tape and deed restriction	\$215,000	\$5,000	\$235,000
Alternative 5 - Phytoremediation	\$235,000	\$15,000	\$290,000
Alternative 6 - Impermeable barrier	\$330,000	\$14,000	\$430,000



Figure 1 Location of F & T Darrigo Site
 NYSDEC ID No. 336002, Newburgh, NY

Map created from Orange County Water Authority CAD Files (Jun 2000)





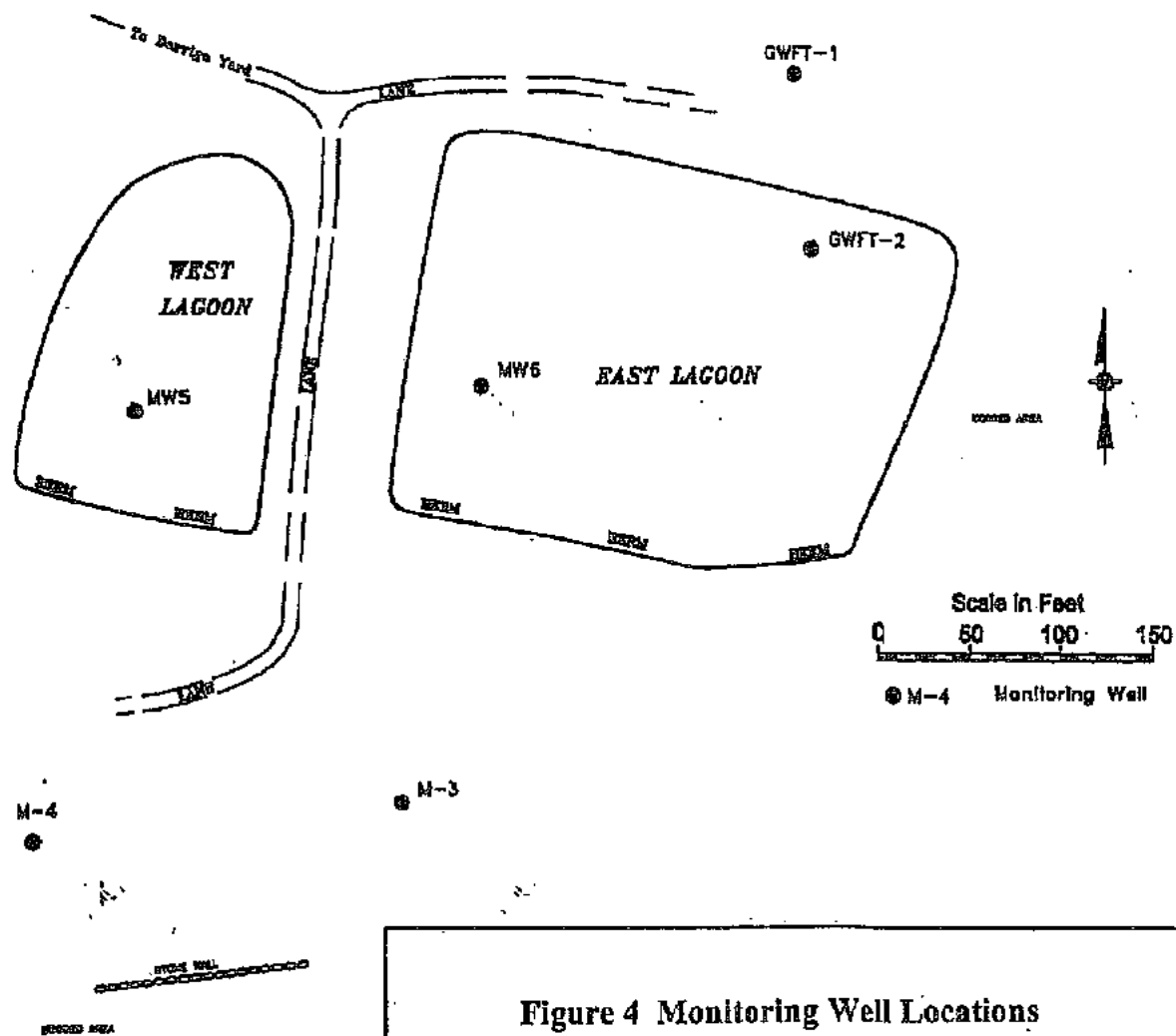


Figure 4 Monitoring Well Locations

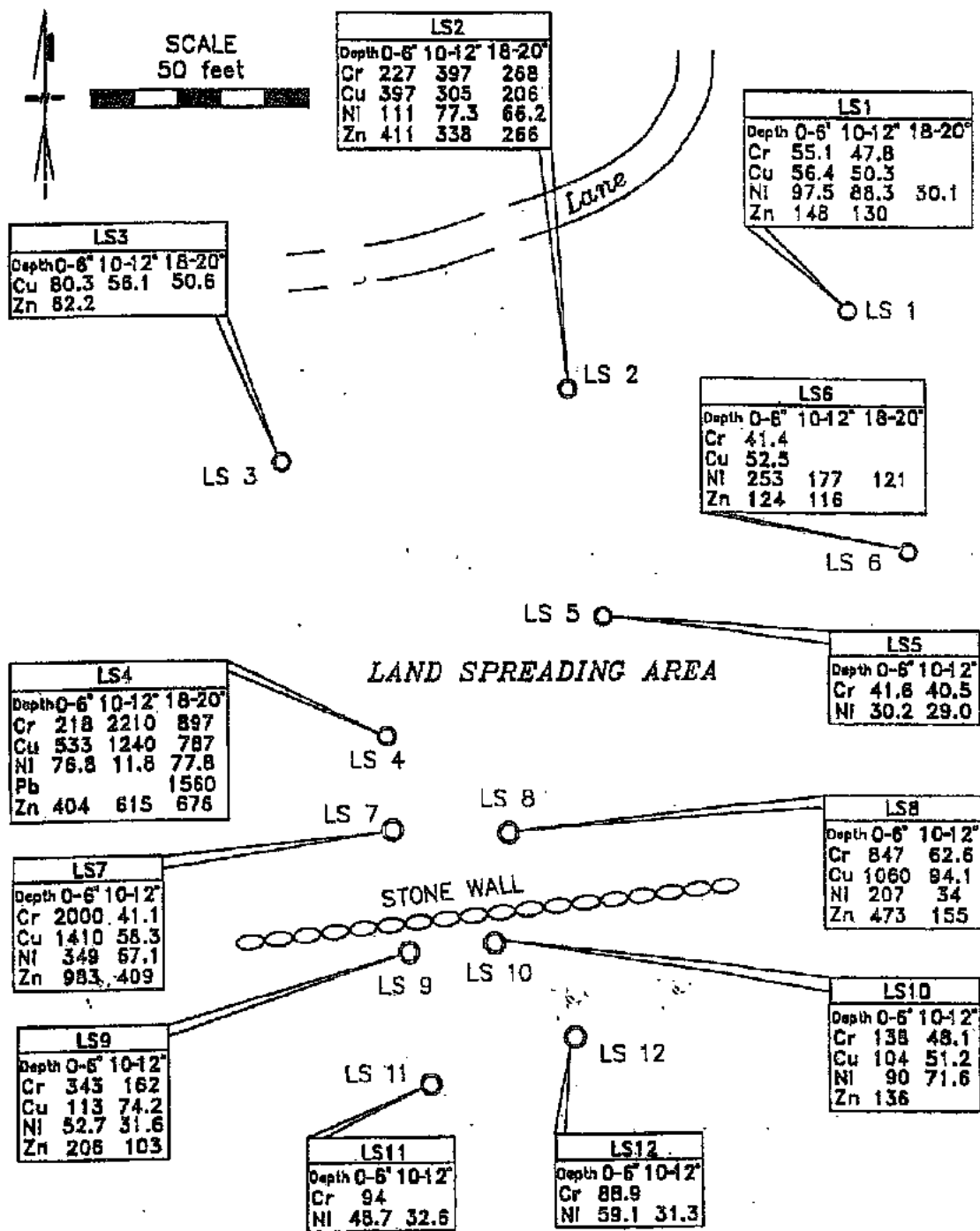
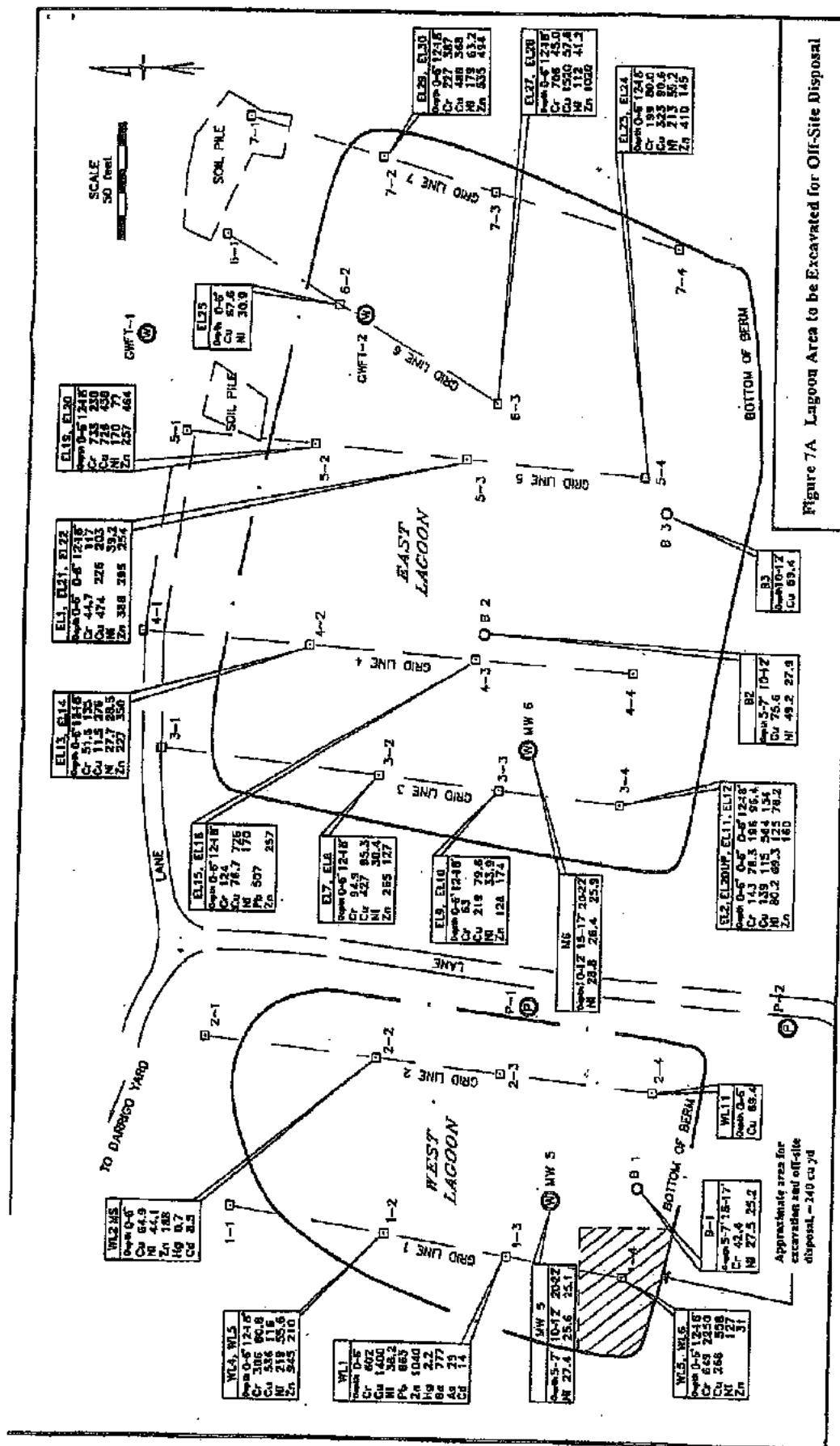


Figure 6 Land Spreading Areas to be Relocated



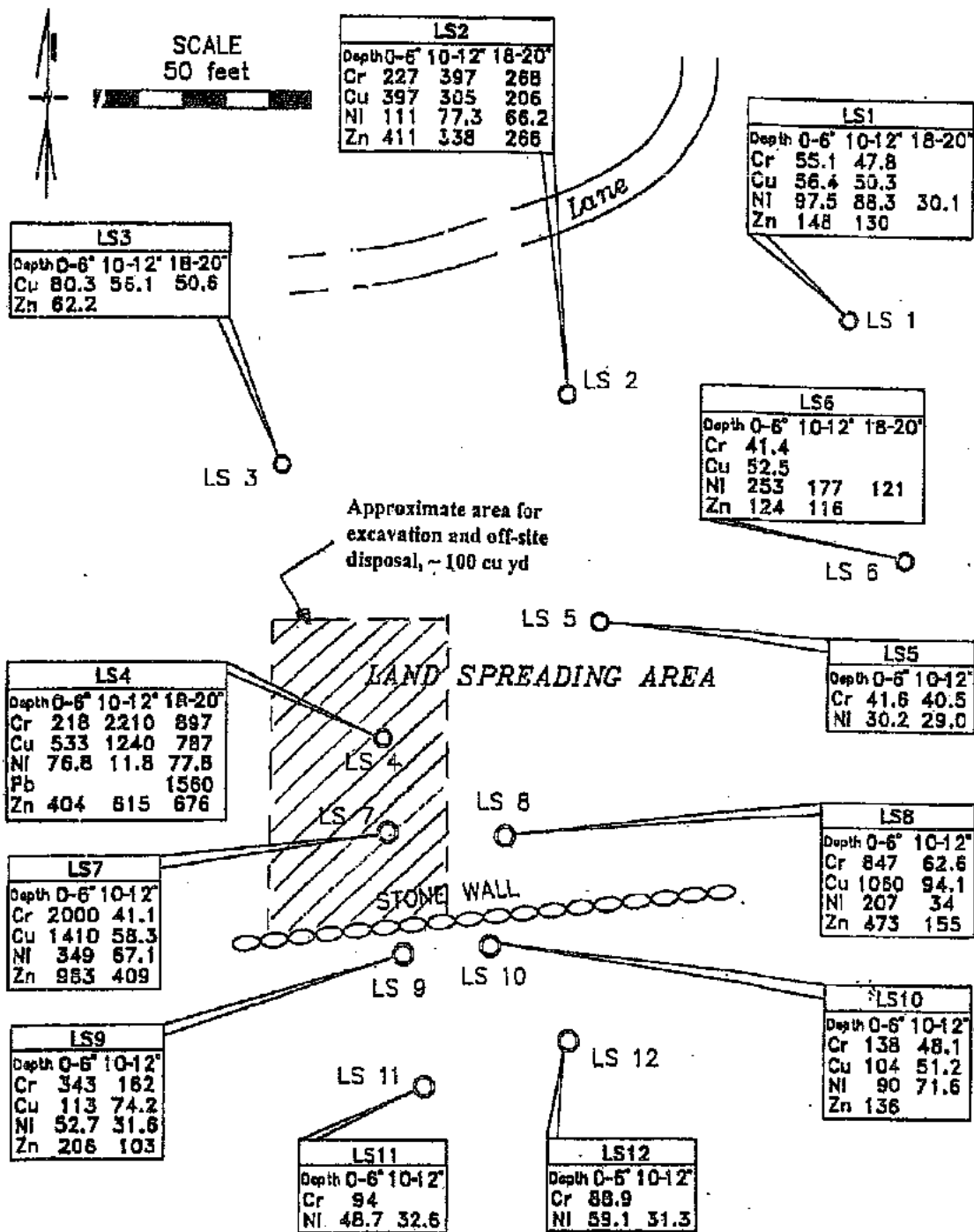


Figure 7B Land Spreading Areas to be Excavated for Off-Site Disposal and/or Relocated to Lagoons

APPENDIX A

Responsiveness Summary

RESPONSIVENESS SUMMARY

**F&T Darrigo
Town of Newburgh, Orange County, New York
Site No. 3-36-002**

The Proposed Remedial Action Plan (PRAP) for the F&T Darrigo site, was prepared by the New York State Department of Environmental Conservation (NYSDEC) in consultation with the New York State Department of Health (NYSDOH) and was issued to the document repositories on January 13, 2003. The PRAP outlined the remedial measure proposed for the contaminated soil at the F&T Darrigo site.

The release of the PRAP was announced by sending a notice to the public contact list, informing the public of the opportunity to comment on the proposed remedy.

A public meeting was held on January 28, 2003, which included a presentation of the Remedial Investigation (RI) and the Feasibility Study (FS) as well as a discussion of the proposed remedy. The meeting provided an opportunity for citizens to discuss their concerns, ask questions and comment on the proposed remedy. These comments have become part of the Administrative Record for this site. The public comment period for the PRAP ended on February 13, 2003.

This responsiveness summary responds to all questions and comments raised during the public comment period. The following are the comments received, with the NYSDEC's responses:

COMMENT 1: Was the portion of the property south of Rt. 84 across from the site investigated? If so, what were the findings of the investigation?

RESPONSE 1: The portion of the property south of Rt. 84 was investigated during the 1990 state-funded Phase 2 Investigation and found to have no contamination of concern. That portion of the property was removed from the Registry of Inactive Hazardous Waste Disposal Sites.

COMMENT 2: Will the metal contaminated soil that will be excavated during the implementation of the remedy become mobile and cause additional concerns?

RESPONSE 2: Appropriate precautions such as dust suppression measures, implementation of the community air monitoring plan and compliance with waste hauling regulations will be taken to ensure that the contamination is not air-borne or spread elsewhere on site and is disposed of properly at a permitted facility.

COMMENT 3: Would there be increase in the truck traffic and noise during the remedial construction? What would be the working hours and how long will the project last?

- RESPONSE 3:** The project construction is estimated to last a few months and will be confined to week-days and daylight hours, unless special circumstances dictate a variation. The estimate of truck traffic will be dependent on several factors that will become clearer during the design stage, but should range between 1 and 10 trucks per day. The increase in noise will depend on the hearing distance.
- COMMENT 4:** Will there be a public notice of the commencement of remedial construction?
- RESPONSE 4:** Yes. A notice will be mailed after approval of the Remedial Design, and prior to the initiation of field work.
- COMMENT 5:** What level of contamination will be removed off site?
- RESPONSE 5:** Soil with levels of chromium greater than 1000 ppm will be disposed of off-site at a permitted facility. The soil piles that were previously excavated and staged on site will be disposed of off-site.
- COMMENT 6:** Why not move all contaminated soils off site?
- RESPONSE 6:** The NYSDEC prefers a remedy that treats the contamination rather than one that relocates it to a landfill. The proposed remedy will treat the contamination on site.
- COMMENT 7:** How much will this remedy cost?
- RESPONSE 7:** The capital cost of the remedy is estimated to be \$235,000. The present worth cost, which includes annual operation, maintenance and monitoring, is estimated to be \$290,000.
- COMMENT 8:** Who will pay for the remedy?
- RESPONSE 8:** Once a Record of Decision is issued, the NYSDEC will enter into negotiations for an order on consent with the person(s) responsible for the site contamination. Mr. Frank Darrigo is a potentially responsible party (PRP) for the site contamination. If Mr. Darrigo entered into an order on consent, the order on consent would require that he undertake and bear the costs of the remedial program.
- COMMENT 9:** Since Mr. Darrigo can't afford the costs involved, and he has said he wasn't aware that these hazardous substances were in the sludge he was allowed to spread, is it fair to make him foot the entire bill. Aren't there other PRPs to go after?
- RESPONSE 9:** Mr. Darrigo is a PRP and has strict, joint and several liability for the release of hazardous wastes at the site. The NYSDEC has been advised that other PRPs may have contributed to the contamination. Mr. Darrigo may provide the names,

addresses and information concerning the release of hazardous wastes by other PRPs to the NYSDEC. The NYSDEC will use such information.

COMMENT 10: Mr. Frank Darrigo and his family have been good neighbors and respected members of the community for a very long time. He deserves not to be bankrupted by this process. Please let your attorneys in the Division of Environmental Enforcement (DEE) know that.

RESPONSE 10: This concern will be forwarded to the DEE.

COMMENT 11: Can the five metals of concern be identified to determine where they were generated and who transported them for disposal?

RESPONSE 11: Based on the RI/FS Report, there was no conclusive information regarding the generator or transporter of the waste. See response to Comment 9.

COMMENT 12: Will the lagoons be consolidated into one area and fenced or will they stay 2 separate areas with 2 separate fences?

RESPONSE 12: The lagoons will be treated as one area and contained within one fence.

Ernesto Tirado submitted a letter (dated February 2, 2003) which included the following comments:

COMMENT 13: Which alternative offers the best results as far as total/complete clean up with regards to public health and environmental pollution?

RESPONSE 13: The question implies that total cleanup by removal of all the contamination from the site would be the best alternative. The selected remedy, phytoremediation with a soil cover, provides limited excavation and off-site disposal while treating the majority of the contamination on-site. The excavation and off site disposal alternative relocates the contamination to a landfill and does not treat the contamination. Excavation and off-site disposal is not always the preferred remedy, as in this case, since the contamination can be treated effectively on-site. Selection of a remedy for a site requires the evaluation of several criteria as discussed in the PRAP. The remedy proposed in the PRAP and selected in this ROD was based on such an evaluation. The elements of the remedy are designed to protect the public health and the environment.

COMMENT 14: What are the completion timetables for each alternative?

RESPONSE 14: This is outlined in the Feasibility Study, which is contained in the document repositories. It is also outlined in the ROD.

COMMENT 15: What are the cost factors for each alternative and who is paying for them?

RESPONSE 15: This is outlined in the Feasibility Study, which is contained in the document repositories and is also outlined in the ROD. See response to Comment 8.

COMMENT 16: What are the plans for this site once it is cleaned up?

RESPONSE 16: A soils management plan will be developed to address residual contaminated soils that may be excavated from the site during future redevelopment. The plan will require soil characterization and, where applicable, disposal/reuse in accordance with NYSDEC regulations. The future use of the site after the remediation must be consistent with the institutional and engineering controls outlined in the ROD.

Frank Pilus submitted a letter (dated February 8, 2003) which included the following comments:

COMMENT 17: He would like to have his well water sampled, the water that flows through his back yard sampled and the soil from his garden sampled.

RESPONSE 17: Mr. Pilus' well has already been sampled by the NYSDOH and the results were sent to him. There was no contamination in his water. The surface water flow from the site, which is on the side of the Darrigo property near Interstate 84, is not towards Mr. Pilus' property, and therefore there is no reason for concern of contaminated run off onto his property or his garden. However, the NYSDOH has been requested to sample Mr. Pilus' well again to alleviate his anxiety.

APPENDIX B

Administrative Record

Administrative Record

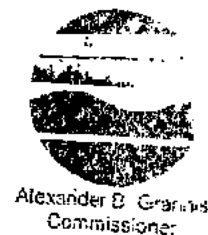
F&T Darrigo
Site No. 3-36-002

1. Proposed Remedial Action Plan for the F&T Darrigo site, dated January 2003, prepared by NYSDEC.
2. Order on Consent, Index No. W3-0841-99-01, between NYSDEC and Frank Darrigo, executed on March 29, 1999.
3. Phase I Investigation, August 1986, prepared by EA Science and Technology.
4. Phase II Investigation, October 1990, prepared by Lawler, Matusky & Skelly Engineers.
5. Focused Remedial Investigation (FRI)/Focused Feasibility Study (FFS) Work Plan, May 1999, prepared by William L. Going & Associates, Inc.
6. Focused Remedial Investigation Report, June 2002, prepared by William L. Going & Associates, Inc.
7. Revised Focused Feasibility Study, August 2002, prepared by William L. Going & Associates, Inc.
8. Citizen Participation Plan, April 2001, prepared by William L. Going & Associates, Inc.
9. Fact Sheet, June 2001, prepared by NYSDEC.
10. Fact Sheet, January 2003, prepared by NYSDEC.
11. Record of Decision, March 2003, prepared by NYSDEC.

20070

New York State Department of Environmental Conservation

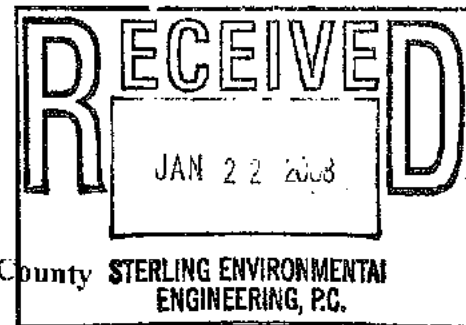
Division of Environmental Remediation
Remedial Bureau C, 11th Floor
625 Broadway, Albany, New York 12233-7011
Phone: (518) 402-9662 • FAX: (518) 402-9679
Website: www.dec.state.ny.us



January 11, 2007

Carl A. Darrigo, Trustee
Frank Darrigo Revocable Trust
67 South Plank Road
Newburgh, NY 12550

RE: Frank Darrigo Site
Site ID No. 3-36-002
Newburgh, Orange County



Dear Mr. Darrigo:

The New York State Department of Environmental Conservation (Department) understands that upon the death of Frank Darrigo, you became Trustee of the Frank Darrigo Revocable Trust (the Trust) and have exclusive authority to act on behalf of the Trust regarding all matters related to the remediation of the above referenced Site. The Department is in receipt of a letter date July 13, 2007, prepared by John Conrad of Conrad Geoscience (Conrad), regarding modification of the remedy selected in the Record of Decision (ROD) for the Site. In addition, the Department has a remedial design work plan for the implementation of the remedy prepared and submitted by Sterling Engineering ("Sterling"), in July 2006.

As Trustee, please provide clarification to the Department of the respective roles of these consultants. Are both consultants still employed? If yes, who is the lead? What is the consultant(s), level of authority to make decisions for this project? In addition, please identify the direction you wish to pursue relative to the phytoremediation issue, which is discussed below.

The Department has reviewed the Conrad letter, which requested two modifications to the selected remedy:

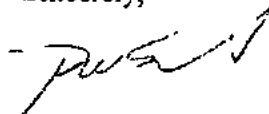
- first, the elimination of the phytoremediation component of the ROD remedy; and
- second, a modification to the remedy to allow soil contaminated with chromium above 1000 ppm to be consolidated and contained on-site, in lieu of off-site disposal.

Based on our review of the new information relative to the applicability of phytoremediation of the metals contamination, to conditions at the site provided in this letter, the Department concurs that phytoremediation does not appear appropriate and can be eliminated as a remedial component. The request to consolidate soils containing chromium over 1000 ppm on-Site, however, is denied as no new information was provided.

Because the elimination of phytoremediation represents a change to the selected remedy, the Department, in consultation with the New York State Department of Health (NYSDOH), will commence preparation of an Explanation of Significant Differences (ESD). While the ESD is being prepared and made available to the public, you are encouraged to continue with the design of the remedy.

The 2006 Sterling work plan has also been reviewed, however as it conflicts with the 2007 request to eliminate the phytoremediation component of the remedy, comments have not been provided pending the Department's receipt of the clarifications requested above. If you have any questions or concerns regarding this determination, please feel free to contact me as noted in the letterhead. Mr. John P. Schick, the site project manager, can be contacted regarding technical issues at (854) 256-1179.

Sincerely,



Robert W. Schick, P.E.
Director, Remedial Bureau C
Division of Environmental Remediation

cc: J. Conrad, Conrad Geoscience
M. Millspaugh, Sterling

cc: M. Rivara - NYSDOH

EXPLANATION OF SIGNIFICANT DIFFERENCE

F&T Darrigo Site

Town of Newburgh / Orange County / Site No. 336002 / November 2009

Prepared by the New York State Department of Environmental Conservation
Division of Environmental Remediation



1.0 INTRODUCTION

The purpose of this Explanation of Significant Difference is to document a change in the selected remedy for the F&T Darrigo Site (the "Site"), which is located on Lakeside Road in the Town of Newburgh, Orange County (see attached figure).

In March of 2003, the New York State Department of Environmental Conservation (NYSDEC) signed a Record of Decision (ROD) which selected a remedy for the Site. The 2003 ROD selected the excavation and off-site disposal of soils with a concentration of chromium greater than 1,000 parts per million (ppm); off-site disposal of stockpiled soils that were previously excavated; and transfer of remaining impacted soils from the land spreading area to the former lagoon areas, where the soil will be consolidated in a single contiguous area known as the consolidation area. The ROD also required the planting of poplar trees in the former lagoon area for phytoremediation, a soils management plan, institutional controls, sampling of the on-site monitoring wells semi-annually, annual inspection and maintenance of the lagoon areas, and annual certification by the property owner that the Site is in compliance with the institutional controls. For more information on the remedy selected by the ROD refer to Section 2.

This Explanation of Significant Difference will become part of the Administrative Record for this Site. The information here is a summary of what can be found in greater detail in documents such as the March 2003 Record of Decision, the August 2009 Remedial Work Plan, and other documents that have been placed in the following repositories:

Newburgh Free Library
124 Grand Street
Newburgh, NY 12550
Attn.: Reference Librarian
Phone: (845)561-1985

Office of the Clerk
Town of Newburgh
1496 Route 300
Newburgh, NY 12550
Attn.: Andrew Zarutskie
Phone: (845)564-4554

NYSDEC- Region 3 Headquarters
Division of Environmental Remediation
21 S. Putt Corners Road
New Paltz, NY 12561-1620
Attn.: John Rashak, Project Manager
Phone: (845)256-3179

2.0 SITE DESCRIPTION AND ORIGINAL REMEDY

The Site (see figure) is located on eight of the 59 acres owned by F&T Darrigo in the Town of Newburgh in the vicinity of Interstate I-84. There are no perennial surface waters on the Site and the nearest body of water is an unnamed creek located approximately 875 feet to the west. The Darrigo property, excluding the Site, is currently operated as a lumber and landscaping materials yard. The eight-acre Site was formerly used for septage disposal and consists of two abandoned lagoons and land spreading areas. The Site is located in a residential area that is supplied by both municipal and private water. The Site is surrounded by residential properties on all sides except the south, where I-84 lies.

The Site began operation as a land spreading area for the disposal of sewage sludge in 1948. This continued for 37 years, with an estimated 800,000 gallons of liquid wastes deposited annually. Hazardous waste, including spent cleaning solution from metal finishing and furniture stripper operations, as well as battery waste containing lead, was likely disposed of in the lagoons and land spreading areas with the septage waste.

Environmental studies revealed the presence of metals at significant concentrations, chromium in particular. Based on the Remedial Investigation, a Focused Feasibility Study was completed to evaluate potential remedial alternatives for the Site, which led to the NYSDEC issuing a Proposed Remedial Action Plan (PRAP) for the Site in January 2003. The PRAP was made available for public comment and resulted in the NYSDEC issuing a Record of Decision (ROD) in March 2003, which included the following elements:

1. A remedial design program to verify the components of the conceptual design and provide the details necessary for the construction, operation and maintenance, and monitoring of the remedial program.
2. Excavation and off-site disposal of soils with concentration of chromium greater than 1,000 ppm. Off-site disposal of soil previously excavated and staged on-site.
3. Removal of remaining impacted soils from the land spreading area and the placement of this soil into the lagoons.
4. Placement of two feet of clean soil over the lagoon area. Planting of poplar trees in the lagoon area for phytoremediation. Installation of a chain link fence around the perimeter of the lagoons. Collection and composting of leaves from the trees and sampling of the compost for metals.
5. A soils management plan to address residual contaminated soils that may be excavated from the Site during future redevelopment.
6. Institutional controls in the form of deed restrictions limiting the use and development of the Site.
7. Sampling of the on-site monitoring wells semi-annually. A tree uptake study to aid in the determination of the effectiveness of this remedy and its applicability to other sites. Based on the evaluation of the results, the frequency of groundwater and soil sampling may be modified by the NYSDEC.
8. Annual inspection and maintenance of the lagoon area including mowing of the lawn and inspection and maintenance of the soil cover and chain link fence.
9. Annual certification by the property owner to the NYSDEC that the Site is in compliance with the institutional controls outlined in this ROD.

3.0 CURRENT STATUS

The remedial party submitted new information relative to the Site and a proposal to NYSDEC

requesting that the phytoremediation element of the selected remedy be eliminated from the ROD. The proposal notes that metals must be bioavailable in order to be removed from the soil by phytoextraction; as a general rule, chromium does not tend to be bioavailable. The new information also notes that successful phytoextraction results in the translocation of metals from soil into plant material. Phytoextracted metals are not altered/fixed and results in generation of impacted plant material that requires ongoing management. This raises long term implementation concerns as all leaves must be collected and composted in order to test for metals. Similarly, poplar trees must be replaced at the end of their usefulness lives, or when destroyed by disease, weather, etc. and to avoid returning accumulated metals to the soil, the entire tree must be composted and tested to determine an appropriate means of disposal. Further the two-foot layer of clean soil to be placed over the consolidation area, will reduce the effectiveness of phytoextraction since, although some portion of the tree roots may extend below the cover layer, the majority of the roots will be within the cover layer and will not be in contact with metals in the contaminated horizon.

The NYSDEC has carefully evaluated this information and agrees that the issues raised relative to phytoremediation, as proposed by this remedy, are valid. Much research has been undertaken and new studies continue to be performed regarding phytoremediation of chromium. A review of available literature and abstracts revealed that a critical factor in bioremediation of chromium contaminated soils is selection of the proper plant species and the depth of root growth vs. the depth of the contamination. In this remedy, the two foot soil cover would significantly impede the ability of poplar trees to serve as chromium accumulators.

In addition, while chromium can be made more bioavailable by using amendments such as chelators and/or by adjusting pH levels, this was not contemplated for this remedy. Any efforts to make the chromium more bioavailable would have to be carefully considered and highly controlled since it could result in mobilization of the chromium, resulting in groundwater contamination. Presently the chromium is not impacting groundwater and the Department would not typically contemplate any such actions that could impact groundwater, unless no other options existed to address a contaminant in the soil. For this site, other alternatives are available.

All of the phytoextraction remedies for inorganics require active management of the vegetation which could include harvesting and composting/disposal. Depending upon the species, the root systems may need to be harvested as well due to accumulation of inorganics in the roots.

Finally, while the phytoextraction of chromium has been demonstrated, at least in a research setting, there is very little available data to demonstrate the ultimate performance in terms of a reduction in soil contaminant concentration. Most of the studies focus on concentrations in the plant matter. It is unclear that a phytoextraction remedy will effectively reach target soil concentrations for chromium or the time required to reach a target concentration.

In summary, the NYSDEC supports that phytoextraction can be used effectively for remediation in certain settings, but the necessary conditions for phytoextraction do not exist at this Site. Therefore, in light of the issues presented, the NYSDEC hereby eliminates phytoremediation as an element of the selected remedy in the ROD for this Site.

4.0 DESCRIPTION OF SIGNIFICANT DIFFERENCE

The following describes the significant difference to the remedy, compared to the remedy selected in the March 2003 ROD:

Scope: Phytoremediation, the treatment of the environmental contamination through the use of plants, will not be required as an element of the remedy. All other elements of the 2003 ROD-selected remedy unrelated to phytoremediation will remain the same.

Performance: On-site consolidation of contaminated soil without phytoremediation is equally or more effective at protecting human health and the environment as compared with on-site consolidation of contaminated soil with phytoremediation. On-site consolidation of contaminated soil without phytoremediation could be completed in a few months. The duration and effectiveness of phytoremediation is uncertain.

Cost: The cost of the remedy selected by the ROD was estimated at \$290,000. The elimination of phytoremediation will reduce this cost.

Additionally, the amended remedy will include:

- Development of a Site Management Plan which would include the following institutional and engineering controls: (a) management of the final cover system to restrict excavation below the soil cover's demarcation layer. Excavated soil would be tested, properly handled to protect the health and safety of workers and the nearby community, and would be properly managed in a manner acceptable to the Department; (b) monitoring of groundwater; (c) identification of any use restrictions on the Site; (d) fencing to control Site access; and (e) provisions for the continued proper operation and maintenance of the components of the remedy.
- The property owner would provide a periodic certification of institutional and engineering controls, prepared and submitted by a professional engineer or such other expert acceptable to the Department, until the Department notifies the property owner in writing that this certification is no longer needed. This submittal would: (a) contain certification that the institutional controls and engineering controls put in place are still in place and are either unchanged from the previous certification or are compliant with Department-approved modifications; (b) allow the Department access to the Site; and (c) state that nothing has occurred that would impair the ability of the control to protect public health or the environment, or constitute a violation or failure to comply with the Site Management Plan unless otherwise approved by the Department.

5.0 SCHEDULE AND MORE INFORMATION

The remedial program is planned to commence in the coming weeks and will have a duration of one to two months, though additional work (e.g., seeding) is anticipated early next year.

If you have questions or need additional information, you may contact any of the following:

Project Information:

John Rashak
NYSDEC Region 3 Headquarters
21 S. Putt Corners Road
New Paltz, New York 12561-1620
Phone: (845) 256-3179

Health-Related Information:

Fay Navratil
NYSDOH-BEEI
Flanigan Square
547 River Street
Troy, New York 12180
Phone: 1-800-458-1158 ext. 27880

Citizen Participation:

Michael Knipping
NYSDEC Region 3
Headquarters
21 S. Putt Corners Road
New Paltz, New York
12561-1620
Phone: (845) 256-3154

11/5/09

Date


John J. Rashak, Project Manager

11/5/09

Date


Edward Moore, DER Remediation Engineer
Region 3

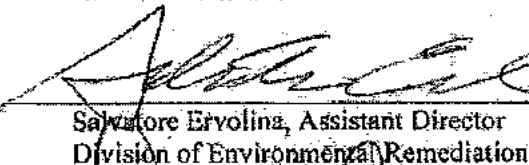
11/9/09

Date


Robert W. Schick, Director
Remedial Bureau C

11/23/09

Date


Salvatore Ervolina, Assistant Director
Division of Environmental Remediation

12/24/09

Date


Dale A. Desnoyers, Director
Division of Environmental Remediation



Figure 1 Location of F & T Dentigo Site
 NYSDEC ID No. 338002, Newburgh, NY

Map created from Orange County Water Authority CAD Files (Jan 2000)

0 Scale In Feet 5000
 0 Scale In Meters 1400

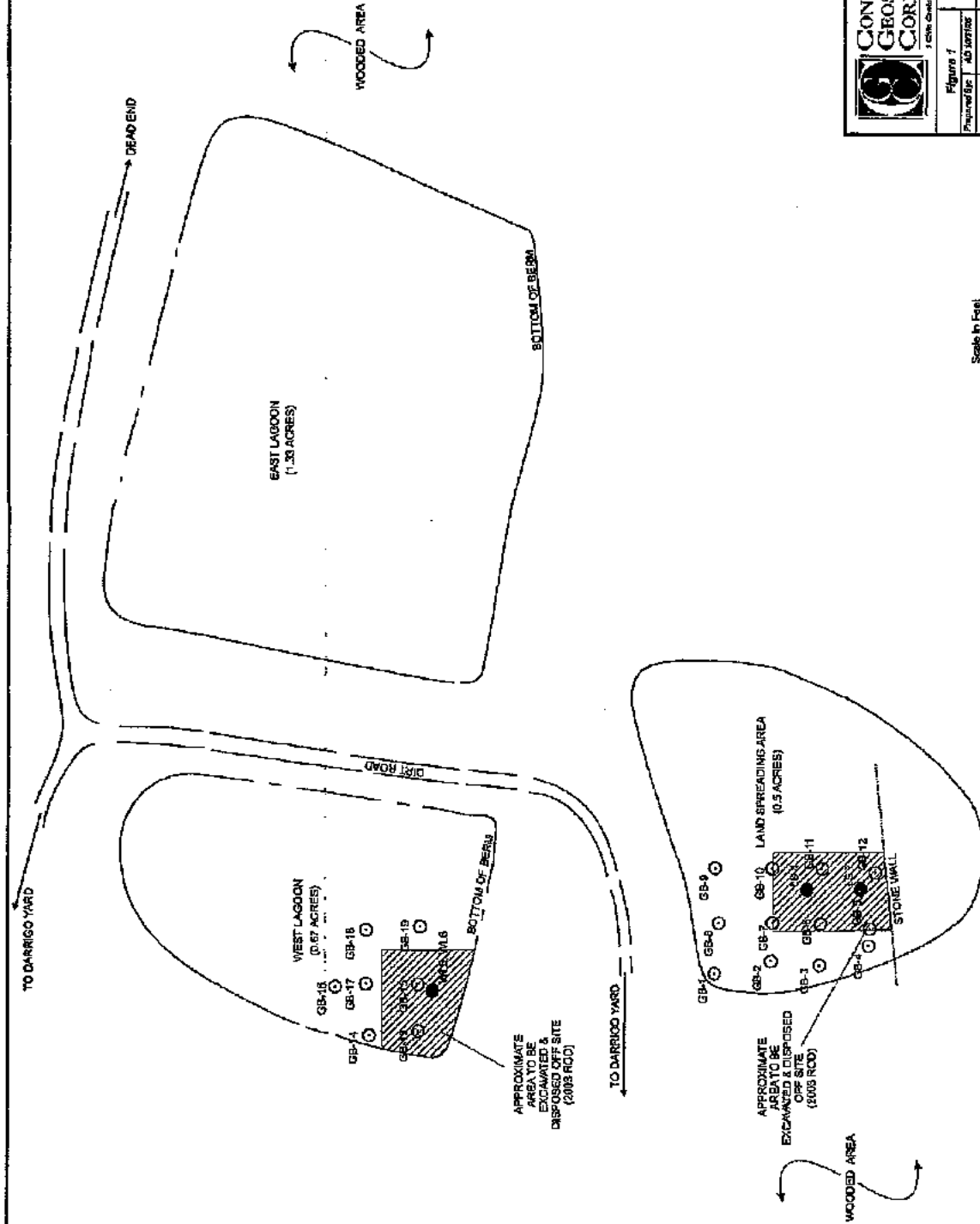
APPENDIX B

**CITIZEN PARTICIPATION PLAN
(TO BE PROVIDED UNDER SEPARATE COVER)**

APPENDIX C
GEOPROBE SOIL BORINGS
FIGURE 1 & TABLE 1

LEGEND

- GEOPROBE BORING LOCATION
- PREVIOUS SOIL BORING LOCATION



Scale in Feet
0 25 50

ALL LOCATIONS ARE APPROXIMATE



**CONRAD
GEOSCIENCE
CORP.**
1000 Oak Ridge Drive #11, Poughkeepsie, New York 12601

N ↑

Figure 1			
Project No.	AD-100000	Geoprobe Boring Locations	
Revision No.		Site Name	F & T DARRIGO SITE
Prepared By:		Client	Newburgh, New York
Checked By:		Project No.	PR000130



One Civic Center Plaza, Suite 501
Poughkeepsie New York 12601
845/454-2544 Fax: 845/454-2655

CONRAD GEOSCIENCE CORP.

Memo

To: NYSDEC

From: Christopher Brown

Date: May 1, 2009

Re: Contaminant Delineation; F&T Darrigo Site, Town of Newburgh, New York.
NYSDEC Site #3-36-002;
Conrad Geoscience File #FN050130.

On April 29, 2008, Conrad Geoscience Corp. collected soil samples at the F&T Darrigo site in Newburgh, New York. Twelve borings were completed in the LSA and seven were completed in the WL. Soil borings were completed using a track-mounted Geoprobe unit equipped with 5-foot long, 1 3/4-inch diameter core barrels (macro-cores) fitted with acetate liners. Eighteen of the 19 borings were completed to 5 feet below grade, and one boring (GB-7 in the LSA) was completed to 10 feet below grade. Soil samples were collected from three discrete intervals: 0-0.5', 0.5-1.5', 1.5-2.5'. Deeper intervals were retained for future analysis, if necessary.

Soil samples were submitted to Paradigm Environmental Services, a NYSDOH ELAP approved laboratory, via overnight delivery for analysis of total chromium, copper, nickel, lead, and zinc. The laboratory was instructed to analyze samples from deeper intervals if the deepest interval contained chromium in excess of 1,000 ppm.

None of the samples analyzed contained concentrations of chromium in excess of 1,000 ppm. Total chromium concentration ranged from 15.8 to 865 ppm. The deepest interval analyzed was 1.5-2.5' bls in all of the borings. Of the 19 samples at this depth, 7 of them exceeded the Unrestricted Use Soil Cleanup Objectives for a metal. Only GB-4 (1.5-2.5') and GB-9 (1.5-2.5') exceeded the Chromium SCO of 30 ppm at this depth.

Table 1. **Metals in Geoprobe™ Soil Samples; USEPA Method 6010 and 7471;**
collected April 29, 2008; F&T Darrigo Site, Newburgh, New York;
Conrad Geoscience File #FN050130

Chemical Constituent	NYSDEC Limit ¹	GB-1 (0-0.5')	GB-1 (0.5-1.5')	GB-1 (1.5-2.5')	GB-2 (0-0.5')	GB-2 (0.5-1.5')	GB-2 (1.5-2.5')	GB-3 (0-0.5')	GB-3 (0.5-1.5')	GB-3 (1.5-2.5')
Inorganic Parameters										
Chromium	30	90.2	23.7	17.3	41.8	42.9	17.0	27.5	46.2	17.6
Copper	50	142	33.6	30.5	143	89.5	16.5	87.3	84.5	26.1
Nickel	30	56.1	26.1	23.4	15.5	15.2	16.6	21.9	30.4	22.6
Lead	63	40.1	10.5	13.0	113	144	11.4	54.6	65.8	11.6
Zinc	109	149	72.7	63.6	259	141	55.8	211	229	69.6

Chemical Constituent	NYSDEC Limit ¹	GB-4 (0-0.5')	GB-4 (0.5-1.5')	GB-4 (1.5-2.5')	GB-5 (0-0.5')	GB-5 (0.5-1.5')	GB-5 (1.5-2.5')	GB-6 (0-0.5')	GB-6 (0.5-1.5')	GB-6 (1.5-2.5')
Inorganic Parameters										
Chromium	30	40.6	144	55.0	675	84.8	25.8	274	29.1	18.3
Copper	50	32.7	39.4	29.8	244	16.8	22.9	381	54.9	27.2
Nickel	30	19.1	24.1	27.5	140	24.3	22.1	56.8	47.8	27.7
Lead	63	34.5	17.6	9.94	69.6	8.6	10.7	52.5	16.7	10.8
Zinc	109	114	126	96.1	572	98.6	67.2	185	186	88.9

Notes:
 1 ~ Standards are for soils according to NYSED Part 375, *Unrestricted Use Soil Cleanup Objectives*.
 Boldface indicates concentration above NYSED limit.
 * - For trivalent Chromium
 All concentrations are in mg/kg unless otherwise indicated;
 NE = No standard established;
 D = Duplicate results outside QC limits. May indicate a non-homogeneous matrix;
 M = Matrix spike recoveries outside QC limits. Matrix bias indicated.

Table 1 cont'd Metals in Geoprobe™ Soil Samples; USEPA Method 8010 and 7471;
collected April 29, 2008; F&T Darrigo Site, Newburgh, New York;
Conrad Geoscience File #FN050130

Chemical Constituent	NYSDEC Limit ¹	GB-7 (0-0.5')	GB-7 (0.5-1.5')	GB-7 (1.5-2.5')	GB-8 (0-0.5')	GB-8 (0.5-1.5')	GB-8 (1.5-2.5')	GB-9 (0-0.5')	GB-9 (0.5-1.5')	GB-9 (1.5-2.5')
Trace Metals										
Chromium	30	260	24.8	19.0	111	24.0	18.6	330	187	37.5
Copper	50	311	16.7	21.2	110	30.7	23.7	133	87.8	27.5
Nickel	30	64.8	19.3	21.5	82.6	33.9	21.9	59.8	43.0	26.3
Lead	63	90.2	13.1	11.0	33.2	11.8	10.7	78.2	56.0	13.9
Zinc	109	528	69.7	63.7	133	62.9	63.0	256	190	98.0

Chemical Constituent	NYSDEC Limit ¹	GB-10 (0-0.5')	GB-10 (0.5-1.5')	GB-10 (1.5-2.5')	GB-11 (0-0.5')	GB-11 (0.5-1.5')	GB-11 (1.5-2.5')	GB-12 (0-0.5')	GB-12 (0.5-1.5')	GB-12 (1.5-2.5')
Trace Metals										
Chromium	30	26.4 D, M	22.3	21.1	57.8	23.6	20.7	147	22.4	21.8
Copper	50	36.1 D, M	18.0	28.1	917	70.2	87.7	279	62.1	72.1
Nickel	30	32.4 D	18.4	26.7	139	32.0	20.9	75.1	29.7	25.2
Lead	63	15.5 D	10.7	10.8	181	14.7	9.70	84.7	10.5	9.45
Zinc	109	87.0 D, M	69.1	66.2	545	116	62.1	315	109	87.4

Notes:
1 - Standards are for soils according to NYSDEC Part 375, Unrestricted Use Soil Cleanup Objectives;
Boldface indicates concentration above NYSDEC limit;
* - For trivalent Chromium
All concentrations are in mg/kg unless otherwise indicated;
NE = No standard established;
D = Duplicate results outside QC limits. May indicate a non-homogeneous matrix;
M = Matrix spike recoveries outside QC limits. Matrix bias indicated.

Table 1 cont'd **Metals In Geoprobe™ Soil Samples; USEPA Method 6010 and 7471;**
collected April 29, 2008; F&T Darrigo Site, Newburgh, New York;
Conrad Geoscience File #FN050130

Chemical Constituent	NYSDEC Limit ¹	GB-13 (0-0.5')	GB-13 (0.5-1.5')	GB-13 (1.5-2.5')	GB-14 (0-0.5')	GB-14 (0.5-1.5')	GB-14 (1.5-2.5')	GB-15 (0-0.5')	GB-15 (0.5-1.5')	GB-15 (1.5-2.5')
Inorganic Parameters										
Chromium	30'	865	19.1	18.4	32.7	60.5	20.8	188	25.1	20.0
Copper	50	231	30.5	29.0	142	83.9	31.8	406	50.1	25.5
Nickel	30	42.0	28.6	22.8	43.6	20.6	20.5	44.8	27.1	20.8
Lead	63	340	20.4	16.6	43.4	211	32.3	244	48.1	15.7
Zinc	109	196	133	112	218	131	135	307	138	68.2

Chemical Constituent	NYSDEC Limit ¹	GB-16 (0-0.5')	GB-16 (0.5-1.5')	GB-16 (1.5-2.5')	GB-17 (0-0.5')	GB-17 (0.5-1.5')	GB-17 (1.5-2.5')	GB-18 (0-0.5')	GB-18 (0.5-1.5')	GB-18 (1.5-2.5')
Inorganic Parameters										
Chromium	30'	380	95.3	21.0	65.4	45.0	18.8	58.9	20.4	17.5
Copper	50	467	137	27.1	39.2	20.5	26.9	66.4	24.3	22.4
Nickel	30	27.9	31.4	20.5	22.7	12.4	18.8	20.7	22.0	20.2
Lead	63	133	104	15.3	51.9	26.5	13.0	46.4	13.0	8.72
Zinc	109	377	424	82.6	228	95.8	124	226	64.6	62.1

Notes:
1 - Standards are for soils according to NYSED Part 375, *Unrestricted Use Soil Cleanup Objectives*;
Boldface indicates concentration above NYSED limit;
* - For trivalent Chromium
All concentrations are in mg/kg unless otherwise indicated;
NE = No standard established;
D = Duplicate results outside QC limits. May indicate a non-homogeneous matrix;
M = Matrix spike recoveries outside QC limits. Matrix bias indicated.

Table 1 cont'd **Metals in Geoprobe™ Soil Samples; USEPA Method 6010 and 7471;**
collected April 29, 2008; F&T Darrigo Site, Newburgh, New York;
Conrad Geoscience File #FN050130

Chemical Constituent	NYSDEC Limit ¹	GB-19 (0-0.5')	GB-19 (0.5-1.5')	GB-19 (1.5-2.5')
Inorganic Parameters				
Chromium	30	60.0	16.4	15.8 D, M
Copper	50	132	24.7	23.3 D, M
Nickel	30	18.1	25.5	21.0 D, M
Lead	63	77.2	11.6	8.65 D, M
Zinc	109	94.5	117	82.5 M

Notes:

1 - Standards are for soils according to NYSDEC Part 375, *Unrestricted Use Soil Cleanup Objectives*;

Boldface indicates concentration above NYSDEC limit.

* - For trivalent Chromium

All concentrations are in mg/kg unless otherwise indicated;

NE = No standard established;

D = Duplicate results outside QC limits. May indicate a non-homogenous matrix;

M = Matrix spike recoveries outside QC limits. Matrix bias indicated.



Excavation of soil with a concentration $> 1,000$ ppm chromium from the Soil Consolidation Area. Extent of the area to be excavated was marked by upright wooden stakes.



Silt fence on the southwestern side of the Land Spreading Area excavation.



Decontamination pad on northwest side of Soil Consolidation Area.

APP X - EMAIL R_Wichter_120910_Re Fwd FT Darrigo Status
From: Randy Whitcher [rjwhitch@gw.dec.state.ny.us]
Sent: Thursday, December 09, 2010 9:55 AM
To: cbrown@conradgeo.com
Subject: Re: Fwd: F&T Darrigo Status

Hi Chris,

I'm just sending this email to let you know that DEC agrees with your decision to leave the last location where the Unrestricted SCO was not met. The location was PE-12B and the result for chromium was 45.3 ppm; slightly above the Unrestricted SCO of 30 ppm.

Given that all other chemical constituent results in the excavation area are well below their respective Unrestricted SCOs for the samples collected, this shows an overwhelming majority of compliance with the Unrestricted SCOs and no further excavation is warranted.

Give me a call if you have any further questions (518) 402- 9662.

Regards,

Randy

>>> "Christopher Brown" <cbrown@conradgeo.com> 11/30/2010 12:52 PM >>>

Hi Randy,
Thanks for reaching out to me. I'm in the field today, and probably through friday, so early next week is probably better. If you have any immediate questions, feel free to call my cell. 914 475 2650.
Thanks,
Chris

Christopher B. Brown, CPG
Vice President/Senior Hydrogeologist
CONRAD GEOSCIENCE CORP.
(845) 454-2544
via BlackBerry

-----Original Message-----

From: "Randy Whitcher" <rjwhitch@gw.dec.state.ny.us>
Date: Tue, 30 Nov 2010 09:16:13
To: <cbrown@conradgeo.com>
Subject: Re: Fwd: F&T Darrigo Status

Hi Chris,

I'll be picking up this project from John Rashak. John has been moved to the Division of Air as a part of the Department's reorganization from the layoffs.

Mike and I will be taking a look at the post-excavation sampling results you have provided and reviewing pertinent files to get up to speed on the project this week. Hopefully we can have a call to discuss the issues late this week or early next week.

Let me know if you have any questions.

Regards,

Randy Whitcher

NYS DEC
Division of Environmental Remediation
Remedial Bureau C
625 Broadway, 11th Floor

APP X - EMAIL R_Wichter_120910_Re Fwd FT Darrigo Status
Albany, NY 12233-7014

(518) 402-9662 (bureau)
(518) 402-9669 (desk)
(518) 402-9679 (fax)

>>> "Christopher Brown" <cbrown@conradgeo.com> 11/22/2010 4:16 PM >>>

Hi Mike,
I understand you're out for the week, I left a voicemail at your office, but I thought the best way to advance our discussion was to send you an e-mail, and we can talk when you get back.

I believe John Rashak spoke with you about the post-excavation sample data from the Darrigo site (3-36-002). There are three areas which are the focus of our remedial efforts: The East Lagoon (EL), West Lagoon (WL) and Land Spreading Area (LSA). Soil which exceeds 1000 ppm Cr was removed from these areas and is being disposed of off site (we expect that work to be completed tomorrow and Wednesday). The remaining portion of the LSA was excavated and placed in the "consolidation area" which now overlies the WL and EL. Post-excavation soil samples were collected as material was excavated from the LSA and our intent was to meet Unrestricted Use standards (this portion of the property would not be subject to future restrictions). Several samples exceeded this value and additional soil was excavated and a second round of sampling was conducted. Following is an excerpt from our monthly progress report describing this work:

08-16-10 Final post-excavation soil samples results received. Samples collected at grid nodes which exceeded the Unrestricted Use Soil Cleanup Objectives (SCO) (6NYCRR Part 375), were excavated an additional 1 foot and re-sampled (data received 8-16-10). Results are presented in the attached data tables. Summary is provided below.

Summary: 24 samples were collected after excavation of soil in accordance with the approved work plan. Of these samples, 10 exceeded the Unrestricted Use SCOs. These locations were excavated and additional 1 foot, sampled, and analyzed in accordance with the approved work plan. Excavated soil was placed in the consolidation area and capped in accordance with the approved work plan. Of the 10 samples collected, one sample (PE-12B) contained one compound, chromium, at concentrations in excess of Unrestricted Use SCOs. Excavation of additional soil from this location is not proposed.

Attached are draft data tables and a figure depicting sample locations. The red box is the area where Cr exceeded 1000ppm in the LSA. The second round of samples from nodes where SCOs weren't met are labeled the "B" set of samples.

Give me a call when you have time to talk. Obviously we would like permission from the DEC to leave the last location where we don't meet the Unrestricted Use SCOs.

Thanks, and Happy Thanksgiving,
Chris

Christopher B. Brown, CPG
Vice President/Senior Hydrogeologist
CONRAD GEOSCIENCE CORP.
One Civic Center Plaza, Suite 501, Poughkeepsie, NY 12601
Phone
Fax
E-Mail
Web (845) 454-2544

APP X - EMAIL R_Wichter_120910_Re Fwd FT Darrigo Status
(845) 454-2655
cbrown@conradgeo.com
www.conradgeo.com

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CITY OF ALBANY
DEPARTMENT OF GENERAL SERVICES
Rapp Road Waste Management Facility
525 Rapp Rd • Albany, N.Y. 12205
(518) 869-3651

006145 ROMAR CONTRACTING, INC
P.O. BOX 658
WALDEN NY 12586

SITE	TICKET	GRID		WEIGHMASTER	
02	423359	NON SHRED		BRENDA	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/26/10	10/26/10	08:06	08:34	7001	
REFERENCE			ORIGIN		
3140			NEWBURGH		

Scale 1 Gross Wt. 105000 LB
Scale 2 Tare Wt. 38920 LB
Net Weight 66080 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
33.04	TON	CONTAMINATED SOIL				

Operating hours: 7 am to 3 pm, Monday - Friday

THIS IS TO CERTIFY THAT THIS LOAD DOES NOT CONTAIN ANY
NON ACCEPTABLE MATERIALS AS DEFINED BY LANDFILL PERMIT
AGREEMENT

NOTE: 67 S. PLANK RD/NEWBURGH

LOT # 3140

SIGNATURE _____

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



CITY OF ALBANY
DEPARTMENT OF GENERAL SERVICES
Rapp Road Waste Management Facility
525 Rapp Rd • Albany, N.Y. 12205
(518) 869-3651

008145 ROMAR CONTRACTING, INC
P.O. BOX 658
WALDEN NY 12586

SITE	TICKET	GRID		WEIGHTMASTER	
02	423406	NON SHRED		BRENDA	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/26/10	10/26/10	10:54	11:20	7001	
REFERENCE			ORIGIN		
3140			NEWBURGH		

Scale 1 Gross Wt. 97120 LB
Scale 2 Tare Wt. 34620 LB
Net Weight 62500 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
31.25	TON	CONTAMINATED SOIL				

Operating hours: 7 am to 3 pm, Monday - Friday

THIS IS TO CERTIFY THAT THIS LOAD DOES NOT CONTAIN ANY
NON ACCEPTABLE MATERIALS AS DEFINED BY LANDFILL PERMIT
AGREEMENT

NOTE: 67 S. PLANK RD/NEWBURGH

LOT # 3140

SIGNATURE _____

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

Generator Authorized Agent Name _____



CITY OF ALBANY
DEPARTMENT OF GENERAL SERVICES
Rapp Road Waste Management Facility
525 Rapp Rd • Albany, N.Y. 12205
(518) 869-3651

006145 ROMAR CONTRACTING, INC
P.O. BOX 658
WALDEN NY 12588

SITE	TICKET	GRID		WEIGHMASTER	
02	423450	NON SHRED		BRENDA	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/26/10	10/26/10	13:44	14:07	7001	
REFERENCE			ORIGIN		
3140			NEWBURGH		

Scale 1 Gross WL .100340 LB
Scale 2 Tare WL .38700 LB
Net Weight .61640 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
30.82	TON	CONTAMINATED SOIL				

Operating hours: 7 am to 3 pm, Monday - Friday

THIS IS TO CERTIFY THAT THIS LOAD DOES NOT CONTAIN ANY
NON ACCEPTABLE MATERIALS AS DEFINED BY LANDFILL PERMIT
AGREEMENT

NOTE: 67 S.PLANK RD/NEWBURGH

LOT # 3140

SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



CITY OF ALBANY
DEPARTMENT OF GENERAL SERVICES
Rapp Road Waste Management Facility
525 Rapp Rd • Albany, N.Y. 12205
(518) 869-3651

006145 ROMAR CONTRACTING, INC
P.O. BOX 658
WALDEN NY 12586

SITE	TICKET	GRID	WEIGHMASTER		
02	423830	NON SHRED	BRENDA		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
10/29/10	10/29/10	12:59	13:19	7001	
REFERENCE		ORIGIN			
3140		NEWBURGH			

Scale 1 Gross Wt. 109700 LB
Scale 2 Tare Wt. 38320 LB
Net Weight 71380 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
35.69	TON	CONTAMINATED SOIL				

Operating hours: 7 am to 3 pm, Monday - Friday

THIS IS TO CERTIFY THAT THIS LOAD DOES NOT CONTAIN ANY
NON ACCEPTABLE MATERIALS AS DEFINED BY LANDFILL PERMIT
AGREEMENT

NOTE: 67 S.PLANK RD/NEWBURGH

LOT # 3140

SIGNATURE _____

NET AMOUNT
TENDERED
CHANGE
CHECK NO.



CITY OF ALBANY
DEPARTMENT OF GENERAL SERVICES
Rapp Road Waste Management Facility
525 Rapp Rd - Albany, N.Y. 12205
(518) 869-3651

006145 ROMAR CONTRACTING, INC
P.O. BOX 858
WALDEN NY 12586

SITE	TICKET	BRID	WEIGHMASTER	
02	423733	NON SHRED	BRENDA	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE
10/29/10	10/29/10	07:37	07:59	7001
REFERENCE		ORIGIN		
3140		NEWBURGH		

Scale 1 Gross Wt. 114960 LB
Scale 2 Tare Wt. 38500 LB
Net Weight 76460 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
38.23	TON	CONTAMINATED SOIL				

Operating hours: 7 am to 3 pm, Monday - Friday

THIS IS TO CERTIFY THAT THIS LOAD DOES NOT CONTAIN ANY
NON ACCEPTABLE MATERIALS AS DEFINED BY LANDFILL PERMIT
AGREEMENT

NOTE: 67 S.PLANK RD/NEWBURGH

LOT # 3140

SIGNATURE _____

NET AMOUNT
TENDERED
CHANGE
CHECKING



1106 RIVER ROAD
NEW WINDSOR, N.Y. 12553
(P) 845-582-8778
(F) 845-582-8588

WEIGHT TICKET

JOB # 9059

TONS	POUNDS

TIME IN / DATE
GROSS WEIGHT

52.8	7:11 AM 11-24-10
	104360 lb

TIME OUT / DATE
TARE WEIGHT

19.37	7:25 AM 11-24-10
	38740 lb

NET WEIGHT

32.81	65,620

SIGNATURE



1106 RIVER ROAD
NEW WINDSOR, N.Y. 12553
(P) 845-582-8778
(F) 845-582-8588

WEIGHT TICKET

JOB # 9059

TONS	POUNDS

TIME IN / DATE
GROSS WEIGHT

59.0	8:59 AM 11 24 10
	118000 lb

TIME OUT / DATE
TARE WEIGHT

193	9:08 AM 11 24 10
	38620 lb

NET WEIGHT

39.0	79,380

SIGNATURE



1105 RIVER ROAD
NEW WINDSOR, N.Y. 12553
(P) 845-582-8778
(F) 845-582-8588

WEIGHT TICKET

JOB # 9059

TONS	POUNDS

TIME IN / DATE
GROSS WEIGHT

<u>9.18</u>	10:27 AM 11 24 10
	118560 lb

TIME OUT / DATE
TARE WEIGHT

<u>9.27</u>	10:36 AM 11 24 10
	38540 lb

NET WEIGHT

<u>40.0</u>	80,020

SIGNATURE



1108 RIVER ROAD
NEW WINDSOR, N.Y. 12553
(P) 845-582-8778
(F) 845-582-8566

WEIGHT TICKET

JOB # 9059

TONS	POUNDS

TIME IN / DATE
GROSS WEIGHT

53.8	11:52 AM 11 24 10
	107620 lb

TIME OUT / DATE
TARE WEIGHT

19.2	12:03 PM 11 24 10
	38480 lb

NET WEIGHT

34.6	69,140

SIGNATURE



1106 RIVER ROAD
NEW WINDSOR, N.Y. 12553
(P) 845-582-8778
(F) 845-582-9566

WEIGHT TICKET

JOB #

9059

TONS	POUNDS

TIME IN / DATE
GROSS WEIGHT

11.12	1:21 PM 11 24 10
	118240 lb

TIME OUT / DATE
TARE WEIGHT

11.23	1:30 PM 11 24 10
	38460 lb

NET WEIGHT

39.9	11,780

SIGNATURE



1108 RIVER ROAD
NEW WINDSOR, N.Y. 12553
(P) 845-562-8778
(F) 845-562-9566

WEIGHT TICKET

JOB # 9059

TONS	POUNDS

TIME IN / DATE
GROSS WEIGHT

<u>9.13</u>	3:00 PM 11 24 10
	118860 lb

TIME OUT / DATE
TARE WEIGHT

<u>9.21</u>	3:12 PM 11 24 10
	38420 lb

NET WEIGHT

<u>9.21</u>	80440

SIGNATURE



1108 RIVER ROAD
NEW WINDSOR, N.Y. 12553
(P) 845-582-8778
(F) 845-582-9566

WEIGHT TICKET

JOB #

9059

TONS

POUNDS

TIME IN / DATE
GROSS WEIGHT

57.84	7:30 AM 11-29-10
	115680 lb

TIME OUT / DATE
TARE WEIGHT

19.21	7:44 AM 11-29-10
	38420 lb

NET WEIGHT

38.63	77,260

SIGNATURE



1106 RIVER ROAD
NEW WINDSOR, N.Y. 12553
(P) 845-562-8778
(F) 845-562-9568

WEIGHT TICKET

JOB #

9059

TONS

POUNDS

TIME IN / DATE
GROSS WEIGHT68.82 9:11 AM 11 29 10
117640 10TIME OUT / DATE
TARE WEIGHT19.2 9:23 AM 11 29 10
38400 10

NET WEIGHT

39.62 79,240

SIGNATURE



1106 RIVER ROAD
NEW WINDSOR, N.Y. 12553
(P) 845-862-8778
(F) 845-582-9566

WEIGHT TICKET

JOB # 9059

TONS	POUNDS

TIME IN / DATE
GROSS WEIGHT

<u>60.83</u>	11:51 AM 11 29 10 121660 lb

TIME OUT / DATE
TARE WEIGHT

<u>19.8</u>	12:02 PM 11 29 10 38360 lb

NET WEIGHT

<u>40.6</u>	83,300

SIGNATURE



1106 RIVER ROAD
NEW WINDSOR, N.Y. 12553
(P) 845-562-8778
(F) 845-562-9568

WEIGHT TICKET

JOB # 9059

TONS	POUNDS

TIME IN / DATE
GROSS WEIGHT

54.07	1:25 PM 11-29-10
	108940 lb

TIME OUT / DATE
TARE WEIGHT

9.18	1:35 PM 11-29-10
	38360 lb

NET WEIGHT

35.29	70,580

SIGNATURE



1106 RIVER ROAD
NEW WINDSOR, N.Y. 12553
(P) 845-562-8778
(F) 845-562-9568

WEIGHT TICKET

JOB # 9059

TONS	POUNDS

TIME IN / DATE
GROSS WEIGHT

9.59	2:54 PM 11-29-10
	119180 lb

TIME OUT / DATE
TARE WEIGHT

9.16	3:04 PM 11-29-10
	38320 lb

NET WEIGHT

10.43	80,860

SIGNATURE



1106 RIVER ROAD
NEW WINDSOR, N.Y. 12553
(P) 845-562-8778
(F) 845-562-9566

WEIGHT TICKET

JOB # 9059

TONS	POUNDS

TIME IN / DATE
GROSS WEIGHT

<u>10.58</u>	4:34 PM 11 29 10 133760 lb

TIME OUT / DATE
TARE WEIGHT

<u>9.11</u>	4:53 PM 11 29 10 38220 lb

NET WEIGHT

<u>4.77</u>	<u>95,540</u>

SIGNATURE



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 10-2878

Issued July 22, 2010

This report contains a total of 4 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

79 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2878

Client Job Site: F&T Darrigo

Sample Type: Soil
Method: EPA 6010

Client Job No.: FN050130

Date Sampled: 07/14/2010
Date Received: 07/15/2010
Date Analyzed: 07/20/2010

Lab Sample No.	Field ID No.	Field Location	Chromium Results (mg/kg)
9514	N/A	PE-1	22.7
9515	N/A	PE-2	42.1
9516	N/A	PE-3	31.2
9517	N/A	PE-4	17.4
9518	N/A	PE-5	46.4
9519	N/A	PE-6	136
9520	N/A	PE-7	83.4
9521	N/A	PE-8	308
9522	N/A	PE-9	83.7
9523	N/A	PE-10	1500
9524	N/A	PE-11	701

ELAP ID No.:10958

Comments:

Approved By: Valmulla for:
Bruce Hoogesteger, Technical Director

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CHAIN OF CUSTODY

1 of 2

**PARADIGM**

ENVIRONMENTAL SYSTEMS, INC.

REPORT TO:**INVOICE TO:**

COMPANY: Concord Greengarden	COMPANY: Same	LAB PROJECT #: 10-2878	CLIENT PROJECT #: FN050130
ADDRESS: 2 Civic Center Plaza Suite 501	ADDRESS:	TURNAROUND TIME: (WORKING DAYS)	
CITY: Rochester	CITY:		
STATE: NY	STATE:		
ZIP: 14601	ZIP:		
PHONE: 845-451-2544	PHONE:		
FAX:	FAX:		

ATTN: Matt Tyndal**ATTN:**

☐ 1	☐ 2	☐ 3	☒ 5	☐ OTHER

PROJECT NAME/SITE NAME: Fgt During FN050130

COMMENTS: Raise return cooler

Quotation #

REQUESTED ANALYSIS

DATE	TIME	C O M P O S I T I O N	G R A D E	SAMPLE LOCATION/FIELD ID	M A T R I A L	C O N T A I N E R	TOTAL CHROMIUM	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 1/14/10	11:10	X		PE-1	Soil	1	X		9514
2	11:15			PE-2					9515
3	11:21			PE-3					9516
4	11:26			PE-4					9517
5	11:32			PE-5					9518
6	11:55			PE-6					9519
7	12:01			PE-7					9520
8	12:06			PE-8					9521
9	12:12			PE-9					9522
10	12:17			PE-10					9523

LAB USE ONLY - BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 21024/242/243/244

Receipt Parameter NELAC Compliance

Comments:	Container Type:	☒ Y	☐ N
Comments:	Preservation:	☐ Y	☐ N
Comments:	Holding Time:	☒ Y	☐ N
Comments:	Temperature:	☐ Y	☒ N

Received By: *[Signature]* Date/Time: 7/14/10 12:22

Relinquished By: *[Signature]* Date/Time: 7/14/10 16:00

Total Cost:

Received By: *[Signature]* Date/Time: 7/15/10 11:35

P.I.F.

Received @ Lab By: *[Signature]* Date/Time:

CHAIN OF CUSTODY

2 of 2



PROJECT NAME/SITE NAME:
FRT Dingo F5050130

REPORT TO:				INVOICE TO:			
COMPANY: General Guidance				COMPANY: Same			
ADDRESS: 2 Civic Center Plaza Suite 501				ADDRESS:			
CITY: Rochester STATE: NY ZIP: 14601				CITY: STATE: ZIP:			
PHONE: 585-454-2534 FAX:				PHONE: FAX:			
ATTN: Matt Tyneluk				ATTN:			
COMMENTS:				COMMENTS:			
LAB PROJECT #:				CLIENT PROJECT #:			
10-2878				F5050130			
TURNAROUND TIME: (WORKING DAYS)				1 2 3 4 5			
Quotation #				STD OTHER			

DATE	TIME	C O M P O S I T E	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N A T I O N S	REQUESTED ANALYSIS					REMARKS	PARADIGM LAB SAMPLE NUMBER
11/14/10	1222	X		PE-11	Soil	1	X	Total Chromium					9524
2													
3													
4													
5													
6													
7													
8													
9													
10													

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter NELAC Compliance

Comments:	Container Type:	Y ☒ N ☐
Comments:	Preservation:	Y ☐ N ☐ N/A
Comments:	Holding Time:	Y ☒ N ☐
Comments:	Temperature:	Y ☐ N ☒ 13°Ciced

Sampled By: *[Signature]* Date/Time: 7/14/10 12:22
Relinquished By: *[Signature]* Date/Time: 7/14/10 16:00

Received By: *[Signature]* Date/Time: 7/15/10 11:35
Received @ Lab By: *[Signature]* Date/Time:

Total Cost:

P.L.F.

☐



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience Corp.

For Lab Project # 10-3046

Issued August 10, 2010

Re-Issued August 16, 2010

This report contains a total of 58 pages

This project has been supplemented to include Barium and additional STARS compounds, per request.

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

Client:	<u>Conrad Geoscience Corp.</u>	Lab Project No.:	10-3046
Client Job Site:	F&T Darrigo - Newburgh	Sample Type:	Soil
Client Job No.:	FN050130	Date Sampled:	7/26/2010
		Date Received:	7/27/2010
Analytical Method:	SW 9012	Date Analyzed:	7/29/2010

Laboratory Report for Total Cyanide

Lab Sample ID	Sample Location/Field ID	TCN (ug/g)
10148	PE-12B	ND<0.50
10149	PE-14B	ND<0.50
10150	PE-15B	ND<0.50
10151	PE-18B	ND<0.50
10152	PE-19B	ND<0.50
10153	PE-20B	ND<0.50
10154	PE-21B	ND<0.50
10155	PE-22B	ND<0.50
10156	PE-31B	ND<0.50

ELAP ID.No.: 10709

Comments: ND denotes Non Detect.

Approved By Technical Director: _____

Bruce Hoogesteger

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File ID: Conrad 10-3046



179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

Client:	<u>Conrad Geoscience Corp.</u>	Lab Project No.:	10-3046
Client Job Site:	F&T Darrigo - Newburgh	Sample Type:	Soil
Client Job No.:	FN050130	Date Sampled:	7/26/2010
		Date Received:	7/27/2010
Analytical Method:	SW 7196A Mod.	Date Analyzed:	8/3/2010

Laboratory Report for Hexavalent Chromium

Lab Sample ID	Sample Location/Field ID	Hex Cr (ug/g)
10148	PE-12B	ND<0.4
10149	PE-14B	ND<0.4
10150	PE-15B	ND<0.4
10151	PE-18B	ND<0.4
10152	PE-19B	ND<0.4
10153	PE-20B	ND<0.4
10154	PE-21B	ND<0.4
10155	PE-22B	ND<0.4
10156	PE-31B	ND<0.4

ELAP ID.No.: 10709

Comments: ND denotes Non Detect.

Approved By Technical Director:

Bruce Hoogesteger
 Bruce Hoogesteger

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File ID: Conrad 10-3046



- 4 -

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Date Reissued: 08/16/2010

[illegible]

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

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ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience Corp

Lab Project No.: 10-3046

Client Job Site: F&T Darrigo Newburgh

Lab Sample No.: 10149

Client Job No.: FN050130

Sample Type: Soil

Field Location: PE-14B

Date Sampled: 07/26/2010

Field ID No.: N/A

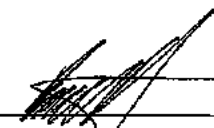
Date Received: 07/27/2010

Date Reissued: 08/16/2010

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	08/10/2010	SW846 6010	<5.36
Arsenic	08/10/2010	SW846 6010	4.73
Barium	08/10/2010	SW846 6011	49.7
Beryllium	08/10/2010	SW846 6010	0.485
Cadmium	08/10/2010	SW846 6010	<0.446
Chromium	08/10/2010	SW846 6010	14.1
Copper	08/10/2010	SW846 6010	20.1
Lead	08/10/2010	SW846 6010	8.44
Mercury	07/28/2010	SW846 7471	0.0350
Nickel	08/10/2010	SW846 6010	23.0
Selenium	08/10/2010	SW846 6010	<0.446
Silver	08/10/2010	SW846 6010	<0.892
Thallium	08/10/2010	SW846 6010	<0.536
Zinc	08/10/2010	SW846 6010	57.7

ELAP ID No.:10958

Comments:

Approved By: 

Bruce Hoogesteger, Technical Director

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File ID:103046c.xls



-6-

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Date Reissued: 08/16/2010

[illegible]

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

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ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience Corp

Lab Project No.: 10-3046

Client Job Site: F&T Darrigo Newburgh

Lab Sample No.: 10151

Client Job No.: FN050130

Sample Type: Soil

Field Location: PE-18B

Date Sampled: 07/26/2010

Field ID No.: N/A

Date Received: 07/27/2010

Date Reissued: 08/16/2010

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	08/10/2010	SW846 6010	<6.37
Arsenic	08/10/2010	SW846 6010	5.18
Barium	08/10/2010	SW846 6011	52.3
Beryllium	08/10/2010	SW846 6010	<0.530
Cadmium	08/10/2010	SW846 6010	<0.530
Chromium	08/10/2010	SW846 6010	21.4
Copper	08/10/2010	SW846 6010	34.4
Lead	08/10/2010	SW846 6010	12.3
Mercury	07/28/2010	SW846 7471	0.0541
Nickel	08/10/2010	SW846 6010	30.0
Selenium	08/10/2010	SW846 6010	<0.530
Silver	08/10/2010	SW846 6010	<1.06
Thallium	08/10/2010	SW846 6010	<0.637
Zinc	08/10/2010	SW846 6010	102

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

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179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience Corp

Lab Project No.: 10-3046

Client Job Site: F&T Darrigo Newburgh

Lab Sample No.: 10152

Client Job No.: FN050130

Sample Type: Soil

Field Location: PE-19B

Date Sampled: 07/26/2010

Field ID No.: N/A

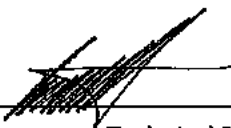
Date Received: 07/27/2010

Date Reissued: 08/16/2010

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	08/10/2010	SW846 6010	<5.20
Arsenic	08/10/2010	SW846 6010	5.44
Barium	08/10/2010	SW846 6011	53.5
Beryllium	08/10/2010	SW846 6010	0.550
Cadmium	08/10/2010	SW846 6010	<0.433
Chromium	08/10/2010	SW846 6010	15.6
Copper	08/10/2010	SW846 6010	34.0
Lead	08/10/2010	SW846 6010	11.5
Mercury	07/28/2010	SW846 7471	0.0200
Nickel	08/10/2010	SW846 6010	26.2
Selenium	08/10/2010	SW846 6010	<0.433
Silver	08/10/2010	SW846 6010	<0.867
Thallium	08/10/2010	SW846 6010	<0.520
Zinc	08/10/2010	SW846 6010	101

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director



-9-

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Date Reissued: 08/16/2010

[illegible]

ELAP ID No.:10958

Comments:

Approved By:

Bruce Hoogesteger, Technical Director

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File ID:103046c.x/s



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179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience Corp

Lab Project No.: 10-3046

Client Job Site: F&T Darrigo Newburgh

Lab Sample No.: 10154

Client Job No.: FN050130

Sample Type: Soil

Field Location: PE-21B

Date Sampled: 07/26/2010

Field ID No.: N/A

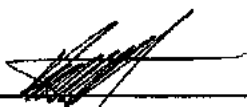
Date Received: 07/27/2010

Date Reissued: 08/16/2010

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	08/10/2010	SW846 6010	<6.58
Arsenic	08/10/2010	SW846 6010	6.42
Barium	08/10/2010	SW846 6011	65.0
Beryllium	08/10/2010	SW846 6010	0.586
Cadmium	08/10/2010	SW846 6010	<0.547
Chromium	08/10/2010	SW846 6010	16.4
Copper	08/10/2010	SW846 6010	29.9
Lead	08/10/2010	SW846 6010	17.2
Mercury	07/28/2010	SW846 7471	0.0358
Nickel	08/10/2010	SW846 6010	23.7
Selenium	08/10/2010	SW846 6010	<0.547
Silver	08/10/2010	SW846 6010	<1.10
Thallium	08/10/2010	SW846 6010	<0.658
Zinc	08/10/2010	SW846 6010	69.0

ELAP ID No.:10958

Comments:

Approved By: 

Bruce Hoogestegen, Technical Director

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File ID:103046c.xls



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience Corp

Lab Project No.: 10-3046

Client Job Site: F&T Darrigo Newburgh

Lab Sample No.: 10155

Client Job No.: FN050130

Sample Type: Soil

Field Location: PE-22B

Date Sampled: 07/26/2010

Field ID No.: N/A

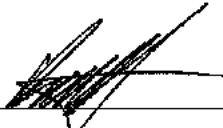
Date Received: 07/27/2010

Date Reissued: 08/16/2010

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	08/10/2010	SW846 6010	<5.82
Arsenic	08/10/2010	SW846 6010	5.51
Barium	08/10/2010	SW846 6011	51.7
Beryllium	08/10/2010	SW846 6010	0.529
Cadmium	08/10/2010	SW846 6010	<0.486
Chromium	08/10/2010	SW846 6010	18.5
Copper	08/10/2010	SW846 6010	32.9
Lead	08/10/2010	SW846 6010	10.1
Mercury	07/28/2010	SW846 7471	0.0369
Nickel	08/10/2010	SW846 6010	22.1
Selenium	08/10/2010	SW846 6010	<0.486
Silver	08/10/2010	SW846 6010	<0.971
Thallium	08/10/2010	SW846 6010	<0.582
Zinc	08/10/2010	SW846 6010	68.9

ELAP ID No.:10958

Comments:

Approved By: 

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

File ID:103046c.xls

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience Corp

Lab Project No.: 10-3046

Client Job Site: F&T Darrigo Newburgh

Lab Sample No.: 10156

Client Job No.: FN050130

Sample Type: Soil

Field Location: PE-31B

Date Sampled: 07/26/2010

Field ID No.: N/A

Date Received: 07/27/2010

Date Reissued: 08/16/2010

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	08/10/2010	SW846 6010	<5.70
Arsenic	08/10/2010	SW846 6010	6.35
Barium	08/10/2010	SW846 6011	60.9
Beryllium	08/10/2010	SW846 6010	0.559
Cadmium	08/10/2010	SW846 6010	<0.474
Chromium	08/10/2010	SW846 6010	17.4
Copper	08/10/2010	SW846 6010	26.8
Lead	08/10/2010	SW846 6010	9.78
Mercury	07/28/2010	SW846 7471	0.0291
Nickel	08/10/2010	SW846 6010	25.4
Selenium	08/10/2010	SW846 6010	<0.474
Silver	08/10/2010	SW846 6010	<0.948
Thallium	08/10/2010	SW846 6010	<0.570
Zinc	08/10/2010	SW846 6010	69.8

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. File ID:103046c.xls

**PCB Analysis Report for Soils/Solids/Sludges****Client:** Conrad Geoscience Corp.**Client Job Site:** F&T Darrigo - Newburgh**Lab Project Number:** 10-3046**Lab Sample Number:** 10148**Client Job Number:** FN050130**Field Location:** PE-12B**Date Sampled:** 07/26/2010**Field ID Number:** N/A**Date Received:** 07/27/2010**Sample Type:** Soil**Date Analyzed:** 07/30/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.342
Aroclor 1221	ND< 0.342
Aroclor 1232	ND< 0.342
Aroclor 1242	ND< 0.342
Aroclor 1248	ND< 0.342
Aroclor 1254	ND< 0.342
Aroclor 1260	ND< 0.342

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**PCB Analysis Report for Soils/Solids/Sludges****Client:** Conrad Geoscience Corp.**Client Job Site:** F&T Darrigo - Newburgh**Lab Project Number:** 10-3046**Client Job Number:** FN050130**Lab Sample Number:** 10149**Field Location:** PE-14B**Date Sampled:** 07/26/2010**Field ID Number:** N/A**Date Received:** 07/27/2010**Sample Type:** Soil**Date Analyzed:** 07/30/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.312
Aroclor 1221	ND< 0.312
Aroclor 1232	ND< 0.312
Aroclor 1242	ND< 0.312
Aroclor 1248	ND< 0.312
Aroclor 1254	ND< 0.312
Aroclor 1260	ND< 0.312

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges**Client:** Conrad Geoscience Corp.**Client Job Site:** F&T Darrigo - Newburgh**Lab Project Number:** 10-3046**Lab Sample Number:** 10150**Client Job Number:** FN050130**Field Location:** PE-15B**Date Sampled:** 07/26/2010**Field ID Number:** N/A**Date Received:** 07/27/2010**Sample Type:** Soil**Date Analyzed:** 07/30/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.327
Aroclor 1221	ND< 0.327
Aroclor 1232	ND< 0.327
Aroclor 1242	ND< 0.327
Aroclor 1248	ND< 0.327
Aroclor 1254	ND< 0.327
Aroclor 1260	ND< 0.327

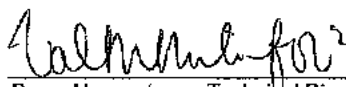
ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: _____


Bruce Hoogesteger: Technical Director

**PCB Analysis Report for Soils/Solids/Sludges****Client:** Conrad Geoscience Corp.**Client Job Site:** F&T Darrigo - Newburgh**Lab Project Number:** 10-3046**Client Job Number:** FN050130**Lab Sample Number:** 10151**Field Location:** PE-18B**Date Sampled:** 07/26/2010**Field ID Number:** N/A**Date Received:** 07/27/2010**Sample Type:** Soil**Date Analyzed:** 07/30/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.339
Aroclor 1221	ND< 0.339
Aroclor 1232	ND< 0.339
Aroclor 1242	ND< 0.339
Aroclor 1248	ND< 0.339
Aroclor 1254	ND< 0.339
Aroclor 1260	ND< 0.339

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PCB Analysis Report for Soils/Solids/Sludges**Client:** Conrad Geoscience Corp.**Client Job Site:** F&T Darrigo - Newburgh**Lab Project Number:** 10-3046**Lab Sample Number:** 10152**Client Job Number:** FN050130**Field Location:** PE-19B**Date Sampled:** 07/26/2010**Field ID Number:** N/A**Date Received:** 07/27/2010**Sample Type:** Soil**Date Analyzed:** 07/30/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.338
Aroclor 1221	ND< 0.338
Aroclor 1232	ND< 0.338
Aroclor 1242	ND< 0.338
Aroclor 1248	ND< 0.338
Aroclor 1254	ND< 0.338
Aroclor 1260	ND< 0.338

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**PCB Analysis Report for Soils/Solids/Sludges**Client: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10153

Client Job Number: FN050130

Field Location: PE-20B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 07/30/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.334
Aroclor 1221	ND< 0.334
Aroclor 1232	ND< 0.334
Aroclor 1242	ND< 0.334
Aroclor 1248	ND< 0.334
Aroclor 1254	ND< 0.334
Aroclor 1260	ND< 0.334

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PCB Analysis Report for Soils/Solids/SludgesClient: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10154

Client Job Number: FN050130

Field Location: PE-21B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 07/30/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.333
Aroclor 1221	ND< 0.333
Aroclor 1232	ND< 0.333
Aroclor 1242	ND< 0.333
Aroclor 1248	ND< 0.333
Aroclor 1254	ND< 0.333
Aroclor 1260	ND< 0.333

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____


Bruce Hoogesteger: Technical Director

**PCB Analysis Report for Soils/Solids/Sludges**Client: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10155

Client Job Number: FN050130

Field Location: PE-22B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 07/30/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.329
Aroclor 1221	ND< 0.329
Aroclor 1232	ND< 0.329
Aroclor 1242	ND< 0.329
Aroclor 1248	ND< 0.329
Aroclor 1254	ND< 0.329
Aroclor 1260	ND< 0.329

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PCB Analysis Report for Soils/Solids/SludgesClient: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10156

Client Job Number: FN050130

Field Location: PE-31B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 07/30/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.328
Aroclor 1221	ND< 0.328
Aroclor 1232	ND< 0.328
Aroclor 1242	ND< 0.328
Aroclor 1248	ND< 0.328
Aroclor 1254	ND< 0.328
Aroclor 1260	ND< 0.328

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/SludgesClient: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10148

Client Job Number: FN050130

Field Location: PE-12B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 07/30/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.23
alpha-BHC	ND< 3.23
beta-BHC	ND< 3.23
delta-BHC	ND< 3.23
gamma-BHC	ND< 3.23
alpha-Chlordane	ND< 3.23
gamma-Chlordane	ND< 3.23
4,4'-DDD	ND< 3.23
4,4'-DDE	ND< 3.23
4,4'-DDT	ND< 3.23
Dieldrin	ND< 3.23
Endosulfan I	ND< 3.23
Endosulfan II	ND< 3.23
Endosulfan Sulfate	ND< 3.23
Endrin	ND< 3.23
Endrin Aldehyde	ND< 3.23
Endrin Ketone	ND< 3.23
Heptachlor	ND< 3.23
Heptachlor Epoxide	ND< 3.23
Methoxychlor	ND< 3.23
Toxaphene	ND< 161

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/SludgesClient: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10149

Client Job Number: FN050130

Field Location: PE-14B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 07/30/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 2.95
alpha-BHC	ND< 2.95
beta-BHC	ND< 2.95
delta-BHC	ND< 2.95
gamma-BHC	ND< 2.95
alpha-Chlordane	ND< 2.95
gamma-Chlordane	ND< 2.95
4,4'-DDD	ND< 2.95
4,4'-DDE	ND< 2.95
4,4'-DDT	ND< 2.95
Dieldrin	ND< 2.95
Endosulfan I	ND< 2.95
Endosulfan II	ND< 2.95
Endosulfan Sulfate	ND< 2.95
Endrin	ND< 2.95
Endrin Aldehyde	ND< 2.95
Endrin Ketone	ND< 2.95
Heptachlor	ND< 2.95
Heptachlor Epoxide	ND< 2.95
Methoxychlor	ND< 2.95
Toxaphene	ND< 147

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

**Pesticide Analysis Report for Soils/Solids/Sludges**Client: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10150

Client Job Number: FN050130

Field Location: PE-15B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 07/30/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.16
alpha-BHC	ND< 3.16
beta-BHC	ND< 3.16
delta-BHC	ND< 3.16
gamma-BHC	ND< 3.16
alpha-Chlordane	ND< 3.16
gamma-Chlordane	ND< 3.16
4,4'-DDD	ND< 3.16
4,4'-DDE	ND< 3.16
4,4'-DDT	ND< 3.16
Dieldrin	ND< 3.16
Endosulfan I	ND< 3.16
Endosulfan II	ND< 3.16
Endosulfan Sulfate	ND< 3.16
Endrin	ND< 3.16
Endrin Aldehyde	ND< 3.16
Endrin Ketone	ND< 3.16
Heptachlor	ND< 3.16
Heptachlor Epoxide	ND< 3.16
Methoxychlor	ND< 3.16
Toxaphene	ND< 158

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**Pesticide Analysis Report for Soils/Solids/Sludges**Client: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10151

Client Job Number: FN050130

Field Location: PE-18B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 07/30/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.22
alpha-BHC	ND< 3.22
beta-BHC	ND< 3.22
delta-BHC	ND< 3.22
gamma-BHC	ND< 3.22
alpha-Chlordane	ND< 3.22
gamma-Chlordane	ND< 3.22
4,4'-DDD	ND< 3.22
4,4'-DDE	ND< 3.22
4,4'-DDT	ND< 3.22
Dieldrin	ND< 3.22
Endosulfan I	ND< 3.22
Endosulfan II	ND< 3.22
Endosulfan Sulfate	ND< 3.22
Endrin	ND< 3.22
Endrin Aldehyde	ND< 3.22
Endrin Ketone	ND< 3.22
Heptachlor	ND< 3.22
Heptachlor Epoxide	ND< 3.22
Methoxychlor	ND< 3.22
Toxaphene	ND< 161

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

**Pesticide Analysis Report for Soils/Solids/Sludges**Client: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Client Job Number: FN050130

Lab Sample Number: 10152

Field Location: PE-19B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 07/30/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.22
alpha-BHC	ND< 3.22
beta-BHC	ND< 3.22
delta-BHC	ND< 3.22
gamma-BHC	ND< 3.22
alpha-Chlordane	ND< 3.22
gamma-Chlordane	ND< 3.22
4,4'-DDD	ND< 3.22
4,4'-DDE	ND< 3.22
4,4'-DDT	ND< 3.22
Dieldrin	ND< 3.22
Endosulfan I	ND< 3.22
Endosulfan II	ND< 3.22
Endosulfan Sulfate	ND< 3.22
Endrin	ND< 3.22
Endrin Aldehyde	ND< 3.22
Endrin Ketone	ND< 3.22
Heptachlor	ND< 3.22
Heptachlor Epoxide	ND< 3.22
Methoxychlor	ND< 3.22
Toxaphene	ND< 161

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/SludgesClient: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10153

Client Job Number: FN050130

Field Location: PE-20B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 07/30/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.24
alpha-BHC	ND< 3.24
beta-BHC	ND< 3.24
delta-BHC	ND< 3.24
gamma-BHC	ND< 3.24
alpha-Chlordane	ND< 3.24
gamma-Chlordane	ND< 3.24
4,4'-DDD	ND< 3.24
4,4'-DDE	ND< 3.24
4,4'-DDT	ND< 3.24
Dieldrin	ND< 3.24
Endosulfan I	ND< 3.24
Endosulfan II	ND< 3.24
Endosulfan Sulfate	ND< 3.24
Endrin	ND< 3.24
Endrin Aldehyde	ND< 3.24
Endrin Ketone	ND< 3.24
Heptachlor	ND< 3.24
Heptachlor Epoxide	ND< 3.24
Methoxychlor	ND< 3.24
Toxaphene	ND< 162

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

**Pesticide Analysis Report for Soils/Solids/Sludges**Client: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10154

Client Job Number: FN050130

Field Location: PE-21B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 07/30/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.22
alpha-BHC	ND< 3.22
beta-BHC	ND< 3.22
delta-BHC	ND< 3.22
gamma-BHC	ND< 3.22
alpha-Chlordane	ND< 3.22
gamma-Chlordane	ND< 3.22
4,4'-DDD	ND< 3.22
4,4'-DDE	ND< 3.22
4,4'-DDT	ND< 3.22
Dieldrin	ND< 3.22
Endosulfan I	ND< 3.22
Endosulfan II	ND< 3.22
Endosulfan Sulfate	ND< 3.22
Endrin	ND< 3.22
Endrin Aldehyde	ND< 3.22
Endrin Ketone	ND< 3.22
Heptachlor	ND< 3.22
Heptachlor Epoxide	ND< 3.22
Methoxychlor	ND< 3.22
Toxaphene	ND< 161

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/SludgesClient: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Client Job Number: FN050130

Lab Sample Number: 10155

Field Location: PE-22B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 07/30/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.22
alpha-BHC	ND< 3.22
beta-BHC	ND< 3.22
delta-BHC	ND< 3.22
gamma-BHC	ND< 3.22
alpha-Chlordane	ND< 3.22
gamma-Chlordane	ND< 3.22
4,4'-DDD	ND< 3.22
4,4'-DDE	ND< 3.22
4,4'-DDT	ND< 3.22
Dieldrin	ND< 3.22
Endosulfan I	ND< 3.22
Endosulfan II	ND< 3.22
Endosulfan Sulfate	ND< 3.22
Endrin	ND< 3.22
Endrin Aldehyde	ND< 3.22
Endrin Ketone	ND< 3.22
Heptachlor	ND< 3.22
Heptachlor Epoxide	ND< 3.22
Methoxychlor	ND< 3.22
Toxaphene	ND< 161

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/SludgesClient: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10156

Client Job Number: FN050130

Field Location: PE-31B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 07/30/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.22
alpha-BHC	ND< 3.22
beta-BHC	ND< 3.22
delta-BHC	ND< 3.22
gamma-BHC	ND< 3.22
alpha-Chlordane	ND< 3.22
gamma-Chlordane	ND< 3.22
4,4'-DDD	ND< 3.22
4,4'-DDE	ND< 3.22
4,4'-DDT	ND< 3.22
Dieldrin	ND< 3.22
Endosulfan I	ND< 3.22
Endosulfan II	ND< 3.22
Endosulfan Sulfate	ND< 3.22
Endrin	ND< 3.22
Endrin Aldehyde	ND< 3.22
Endrin Ketone	ND< 3.22
Heptachlor	ND< 3.22
Heptachlor Epoxide	ND< 3.22
Methoxychlor	ND< 3.22
Toxaphene	ND< 161

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience Corp.

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10148

Client Job Number: FN050130

Field Location: PE-12B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/06/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 327	Dibenz (a,h) anthracene	ND< 327
Anthracene	ND< 327	Fluoranthene	ND< 327
Benzo (a) anthracene	ND< 327	Fluorene	ND< 327
Benzo (a) pyrene	ND< 327	Indeno (1,2,3-cd) pyrene	ND< 327
Benzo (b) fluoranthene	ND< 327	Naphthalene	ND< 327
Benzo (g,h,i) perylene	ND< 327	Phenanthrene	ND< 327
Benzo (k) fluoranthene	ND< 327	Pyrene	ND< 327
Chrysene	ND< 327	Acenaphthylene	ND< 327
Diethyl phthalate	ND< 327	1,2-Dichlorobenzene	ND< 327
Dimethyl phthalate	ND< 818	1,3-Dichlorobenzene	ND< 327
Butylbenzylphthalate	ND< 327	1,4-Dichlorobenzene	ND< 327
Di-n-butyl phthalate	ND< 327	1,2,4-Trichlorobenzene	ND< 327
Di-n-octylphthalate	ND< 327	Nitrobenzene	ND< 327
Bis (2-ethylhexyl) phthalate	ND< 327	2,4-Dinitrotoluene	ND< 327
2-Chloronaphthalene	ND< 327	2,6-Dinitrotoluene	ND< 327
Hexachlorobenzene	ND< 327	Bis (2-chloroethyl) ether	ND< 327
Hexachloroethane	ND< 327	Bis (2-chloroisopropyl) ether	ND< 327
Hexachlorocyclopentadiene	ND< 327	Bis (2-chloroethoxy) methan	ND< 327
Hexachlorobutadiene	ND< 327	4-Bromophenyl phenyl ether	ND< 327
N-Nitroso-di-n-propylamine	ND< 327	4-Chlorophenyl phenyl ether	ND< 327
N-Nitrosodiphenylamine	ND< 327	Benzidine	ND< 818
N-Nitrosodimethylamine	ND< 327	3,3'-Dichlorobenzidine	ND< 327
Isophorone	ND< 327	4-Chloroaniline	ND< 327
Benzyl alcohol	ND< 818	2-Nitroaniline	ND< 818
Dibenzofuran	ND< 327	3-Nitroaniline	ND< 818
2-Methylnaphthalene	ND< 327	4-Nitroaniline	ND< 818

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 327	2-Methylphenol	ND< 327
2-Chlorophenol	ND< 327	3&4-Methylphenol	ND< 327
2,4-Dichlorophenol	ND< 327	2,4-Dimethylphenol	ND< 327
2,6-Dichlorophenol	ND< 327	2-Nitrophenol	ND< 327
2,4,5-Trichlorophenol	ND< 818	4-Nitrophenol	ND< 818
2,4,6-Trichlorophenol	ND< 327	2,4-Dinitrophenol	ND< 818
Pentachlorophenol	ND< 818	4,6-Dinitro-2-methylphenol	ND< 818
4-Chloro-3-methylphenol	ND< 327	Benzoic acid	ND< 818

ELAP Number 10958

Method: EPA 8270C

Data File: S52333.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Matrix spike outliers indicate probable matrix effects

Signature:


 Bruce Hoogsteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience Corp.

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10149

Client Job Number: FN050130

Field Location: PE-14B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/06/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 298	Dibenz (a,h) anthracene	ND< 298
Anthracene	ND< 298	Fluoranthene	ND< 298
Benzo (a) anthracene	ND< 298	Fluorene	ND< 298
Benzo (a) pyrene	ND< 298	Indeno (1,2,3-cd) pyrene	ND< 298
Benzo (b) fluoranthene	ND< 298	Naphthalene	ND< 298
Benzo (g,h,i) perylene	ND< 298	Phenanthrene	ND< 298
Benzo (k) fluoranthene	ND< 298	Pyrene	ND< 298
Chrysene	ND< 298	Acenaphthylene	ND< 298
Diethyl phthalate	ND< 298	1,2-Dichlorobenzene	ND< 298
Dimethyl phthalate	ND< 745	1,3-Dichlorobenzene	ND< 298
Butylbenzylphthalate	ND< 298	1,4-Dichlorobenzene	ND< 298
Di-n-butyl phthalate	ND< 298	1,2,4-Trichlorobenzene	ND< 298
Di-n-octylphthalate	ND< 298	Nitrobenzene	ND< 298
Bis (2-ethylhexyl) phthalate	ND< 298	2,4-Dinitrotoluene	ND< 298
2-Chloronaphthalene	ND< 298	2,6-Dinitrotoluene	ND< 298
Hexachlorobenzene	ND< 298	Bis (2-chloroethyl) ether	ND< 298
Hexachloroethane	ND< 298	Bis (2-chloroisopropyl) ether	ND< 298
Hexachlorocyclopentadiene	ND< 298	Bis (2-chloroethoxy) methan	ND< 298
Hexachlorobutadiene	ND< 298	4-Bromophenyl phenyl ether	ND< 298
N-Nitroso-di-n-propylamine	ND< 298	4-Chlorophenyl phenyl ether	ND< 298
N-Nitrosodiphenylamine	ND< 298	Benzidine	ND< 745
N-Nitrosodimethylamine	ND< 298	3,3'-Dichlorobenzidine	ND< 298
Isophorone	ND< 298	4-Chloroaniline	ND< 298
Benzyl alcohol	ND< 745	2-Nitroaniline	ND< 745
Dibenzofuran	ND< 298	3-Nitroaniline	ND< 745
2-Methylnaphthalene	ND< 298	4-Nitroaniline	ND< 745

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 298	2-Methylphenol	ND< 298
2-Chlorophenol	ND< 298	3&4-Methylphenol	ND< 298
2,4-Dichlorophenol	ND< 298	2,4-Dimethylphenol	ND< 298
2,6-Dichlorophenol	ND< 298	2-Nitrophenol	ND< 298
2,4,5-Trichlorophenol	ND< 745	4-Nitrophenol	ND< 745
2,4,6-Trichlorophenol	ND< 298	2,4-Dinitrophenol	ND< 745
Pentachlorophenol	ND< 745	4,6-Dinitro-2-methylphenol	ND< 745
4-Chloro-3-methylphenol	ND< 298	Benzoic acid	ND< 745

ELAP Number 10958

Method: EPA 8270C

Data File: S52336.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger
Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience Corp.
Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10150

Client Job Number: FN050130

Field Location: PE-15B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/06/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 313	Dibenz (a,h) anthracene	ND< 313
Anthracene	ND< 313	Fluoranthene	ND< 313
Benzo (a) anthracene	ND< 313	Fluorene	ND< 313
Benzo (a) pyrene	ND< 313	Indeno (1,2,3-cd) pyrene	ND< 313
Benzo (b) fluoranthene	ND< 313	Naphthalene	ND< 313
Benzo (g,h,i) perylene	ND< 313	Phenanthrene	ND< 313
Benzo (k) fluoranthene	ND< 313	Pyrene	ND< 313
Chrysene	ND< 313	Acenaphthylene	ND< 313
Diethyl phthalate	ND< 313	1,2-Dichlorobenzene	ND< 313
Dimethyl phthalate	ND< 784	1,3-Dichlorobenzene	ND< 313
Butylbenzylphthalate	ND< 313	1,4-Dichlorobenzene	ND< 313
Di-n-butyl phthalate	ND< 313	1,2,4-Trichlorobenzene	ND< 313
Di-n-octylphthalate	ND< 313	Nitrobenzene	ND< 313
Bis (2-ethylhexyl) phthalate	ND< 313	2,4-Dinitrotoluene	ND< 313
2-Chloronaphthalene	ND< 313	2,6-Dinitrotoluene	ND< 313
Hexachlorobenzene	ND< 313	Bis (2-chloroethyl) ether	ND< 313
Hexachloroethane	ND< 313	Bis (2-chloroisopropyl) ether	ND< 313
Hexachlorocyclopentadiene	ND< 313	Bis (2-chloroethoxy) methan	ND< 313
Hexachlorobutadiene	ND< 313	4-Bromophenyl phenyl ether	ND< 313
N-Nitroso-di-n-propylamine	ND< 313	4-Chlorophenyl phenyl ether	ND< 313
N-Nitrosodiphenylamine	ND< 313	Benzidine	ND< 784
N-Nitrosodimethylamine	ND< 313	3,3'-Dichlorobenzidine	ND< 313
Isophorone	ND< 313	4-Chloroaniline	ND< 313
Benzyl alcohol	ND< 784	2-Nitroaniline	ND< 784
Dibenzofuran	ND< 313	3-Nitroaniline	ND< 784
2-Methylnaphthalene	ND< 313	4-Nitroaniline	ND< 784

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 313	2-Methylphenol	ND< 313
2-Chlorophenol	ND< 313	3&4-Methylphenol	ND< 313
2,4-Dichlorophenol	ND< 313	2,4-Dimethylphenol	ND< 313
2,6-Dichlorophenol	ND< 313	2-Nitrophenol	ND< 313
2,4,5-Trichlorophenol	ND< 784	4-Nitrophenol	ND< 784
2,4,6-Trichlorophenol	ND< 313	2,4-Dinitrophenol	ND< 784
Pentachlorophenol	ND< 784	4,6-Dinitro-2-methylphenol	ND< 784
4-Chloro-3-methylphenol	ND< 313	Benzoic acid	ND< 784

ELAP Number 10958

Method: EPA 8270C

Data File: S52337.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience Corp.

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10151

Client Job Number: FN050130

Field Location: PE-18B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/06/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 321	Dibenz (a,h) anthracene	ND< 321
Anthracene	ND< 321	Fluoranthene	ND< 321
Benzo (a) anthracene	ND< 321	Fluorene	ND< 321
Benzo (a) pyrene	ND< 321	Indeno (1,2,3-cd) pyrene	ND< 321
Benzo (b) fluoranthene	ND< 321	Naphthalene	ND< 321
Benzo (g,h,i) perylene	ND< 321	Phenanthrene	ND< 321
Benzo (k) fluoranthene	ND< 321	Pyrene	ND< 321
Chrysene	ND< 321	Acenaphthylene	ND< 321
Diethyl phthalate	ND< 321	1,2-Dichlorobenzene	ND< 321
Dimethyl phthalate	ND< 802	1,3-Dichlorobenzene	ND< 321
Butylbenzylphthalate	ND< 321	1,4-Dichlorobenzene	ND< 321
Di-n-butyl phthalate	ND< 321	1,2,4-Trichlorobenzene	ND< 321
Di-n-octylphthalate	ND< 321	Nitrobenzene	ND< 321
Bis (2-ethylhexyl) phthalate	ND< 321	2,4-Dinitrotoluene	ND< 321
2-Chloronaphthalene	ND< 321	2,6-Dinitrotoluene	ND< 321
Hexachlorobenzene	ND< 321	Bis (2-chloroethyl) ether	ND< 321
Hexachloroethane	ND< 321	Bis (2-chloroisopropyl) ether	ND< 321
Hexachlorocyclopentadiene	ND< 321	Bis (2-chloroethoxy) methan	ND< 321
Hexachlorobutadiene	ND< 321	4-Bromophenyl phenyl ether	ND< 321
N-Nitroso-di-n-propylamine	ND< 321	4-Chlorophenyl phenyl ether	ND< 321
N-Nitrosodiphenylamine	ND< 321	Benzidine	ND< 802
N-Nitrosodimethylamine	ND< 321	3,3'-Dichlorobenzidine	ND< 321
Isophorone	ND< 321	4-Chloroaniline	ND< 321
Benzyl alcohol	ND< 802	2-Nitroaniline	ND< 802
Dibenzofuran	ND< 321	3-Nitroaniline	ND< 802
2-Methylnaphthalene	ND< 321	4-Nitroaniline	ND< 802

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 321	2-Methylphenol	ND< 321
2-Chlorophenol	ND< 321	3&4-Methylphenol	ND< 321
2,4-Dichlorophenol	ND< 321	2,4-Dimethylphenol	ND< 321
2,6-Dichlorophenol	ND< 321	2-Nitrophenol	ND< 321
2,4,5-Trichlorophenol	ND< 802	4-Nitrophenol	ND< 802
2,4,6-Trichlorophenol	ND< 321	2,4-Dinitrophenol	ND< 802
Pentachlorophenol	ND< 802	4,6-Dinitro-2-methylphenol	ND< 802
4-Chloro-3-methylphenol	ND< 321	Benzoic acid	ND< 802

ELAP Number 10958

Method: EPA 8270C

Data File: S52338.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10152

Client Job Number: FN050130

Field Location: PE-19B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/06/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 319	Dibenz (a,h) anthracene	ND< 319
Anthracene	ND< 319	Fluoranthene	ND< 319
Benzo (a) anthracene	ND< 319	Fluorene	ND< 319
Benzo (a) pyrene	ND< 319	Indeno (1,2,3-cd) pyrene	ND< 319
Benzo (b) fluoranthene	ND< 319	Naphthalene	ND< 319
Benzo (g,h,i) perylene	ND< 319	Phenanthrene	ND< 319
Benzo (k) fluoranthene	ND< 319	Pyrene	ND< 319
Chrysene	ND< 319	Acenaphthylene	ND< 319
Diethyl phthalate	ND< 319	1,2-Dichlorobenzene	ND< 319
Dimethyl phthalate	ND< 798	1,3-Dichlorobenzene	ND< 319
Butylbenzylphthalate	ND< 319	1,4-Dichlorobenzene	ND< 319
Di-n-butyl phthalate	ND< 319	1,2,4-Trichlorobenzene	ND< 319
Di-n-octylphthalate	ND< 319	Nitrobenzene	ND< 319
Bis (2-ethylhexyl) phthalate	ND< 319	2,4-Dinitrotoluene	ND< 319
2-Chloronaphthalene	ND< 319	2,6-Dinitrotoluene	ND< 319
Hexachlorobenzene	ND< 319	Bis (2-chloroethyl) ether	ND< 319
Hexachloroethane	ND< 319	Bis (2-chloroisopropyl) ether	ND< 319
Hexachlorocyclopentadiene	ND< 319	Bis (2-chloroethoxy) methan	ND< 319
Hexachlorobutadiene	ND< 319	4-Bromophenyl phenyl ether	ND< 319
N-Nitroso-di-n-propylamine	ND< 319	4-Chlorophenyl phenyl ether	ND< 319
N-Nitrosodiphenylamine	ND< 319	Benzidine	ND< 798
N-Nitrosodimethylamine	ND< 319	3,3'-Dichlorobenzidine	ND< 319
Isophorone	ND< 319	4-Chloroaniline	ND< 319
Benzyl alcohol	ND< 798	2-Nitroaniline	ND< 798
Dibenzofuran	ND< 319	3-Nitroaniline	ND< 798
2-Methylnaphthalene	ND< 319	4-Nitroaniline	ND< 798

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 319	2-Methylphenol	ND< 319
2-Chlorophenol	ND< 319	3&4-Methylphenol	ND< 319
2,4-Dichlorophenol	ND< 319	2,4-Dimethylphenol	ND< 319
2,6-Dichlorophenol	ND< 319	2-Nitrophenol	ND< 319
2,4,5-Trichlorophenol	ND< 798	4-Nitrophenol	ND< 798
2,4,6-Trichlorophenol	ND< 319	2,4-Dinitrophenol	ND< 798
Pentachlorophenol	ND< 798	4,6-Dinitro-2-methylphenol	ND< 798
4-Chloro-3-methylphenol	ND< 319	Benzoic acid	ND< 798

ELAP Number 10958

Method: EPA 8270C

Data File: S52339.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

 Client: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10153

Client Job Number: FN050130

Field Location: PE-20B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/07/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 319	Dibenz (a,h) anthracene	ND< 319
Anthracene	ND< 319	Fluoranthene	ND< 319
Benzo (a) anthracene	ND< 319	Fluorene	ND< 319
Benzo (a) pyrene	ND< 319	Indeno (1,2,3-cd) pyrene	ND< 319
Benzo (b) fluoranthene	ND< 319	Naphthalene	ND< 319
Benzo (g,h,i) perylene	ND< 319	Phenanthrene	ND< 319
Benzo (k) fluoranthene	ND< 319	Pyrene	ND< 319
Chrysene	ND< 319	Acenaphthylene	ND< 319
Diethyl phthalate	ND< 319	1,2-Dichlorobenzene	ND< 319
Dimethyl phthalate	ND< 798	1,3-Dichlorobenzene	ND< 319
Butylbenzylphthalate	ND< 319	1,4-Dichlorobenzene	ND< 319
Di-n-butyl phthalate	ND< 319	1,2,4-Trichlorobenzene	ND< 319
Di-n-octylphthalate	ND< 319	Nitrobenzene	ND< 319
Bis (2-ethylhexyl) phthalate	ND< 319	2,4-Dinitrotoluene	ND< 319
2-Chloronaphthalene	ND< 319	2,6-Dinitrotoluene	ND< 319
Hexachlorobenzene	ND< 319	Bis (2-chloroethyl) ether	ND< 319
Hexachloroethane	ND< 319	Bis (2-chloroisopropyl) ether	ND< 319
Hexachlorocyclopentadiene	ND< 319	Bis (2-chloroethoxy) methan	ND< 319
Hexachlorobutadiene	ND< 319	4-Bromophenyl phenyl ether	ND< 319
N-Nitroso-di-n-propylamine	ND< 319	4-Chlorophenyl phenyl ether	ND< 319
N-Nitrosodiphenylamine	ND< 319	Benzidine	ND< 798
N-Nitrosodimethylamine	ND< 319	3,3'-Dichlorobenzidine	ND< 319
Isophorone	ND< 319	4-Chloroaniline	ND< 319
Benzyl alcohol	ND< 798	2-Nitroaniline	ND< 798
Dibenzofuran	ND< 319	3-Nitroaniline	ND< 798
2-Methylnaphthalene	ND< 319	4-Nitroaniline	ND< 798

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 319	2-Methylphenol	ND< 319
2-Chlorophenol	ND< 319	3&4-Methylphenol	ND< 319
2,4-Dichlorophenol	ND< 319	2,4-Dimethylphenol	ND< 319
2,6-Dichlorophenol	ND< 319	2-Nitrophenol	ND< 319
2,4,5-Trichlorophenol	ND< 798	4-Nitrophenol	ND< 798
2,4,6-Trichlorophenol	ND< 319	2,4-Dinitrophenol	ND< 798
Pentachlorophenol	ND< 798	4,6-Dinitro-2-methylphenol	ND< 798
4-Chloro-3-methylphenol	ND< 319	Benzoic acid	ND< 798

ELAP Number 10958

Method: EPA 8270C

Data File: S52340.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature:


 Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience Corp.

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3048

Lab Sample Number: 10154

Client Job Number: FN050130

Field Location: PE-21B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/07/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 321	Dibenz (a,h) anthracene	ND< 321
Anthracene	ND< 321	Fluoranthene	ND< 321
Benzo (a) anthracene	ND< 321	Fluorene	ND< 321
Benzo (a) pyrene	ND< 321	Indeno (1,2,3-cd) pyrene	ND< 321
Benzo (b) fluoranthene	ND< 321	Naphthalene	ND< 321
Benzo (g,h,i) perylene	ND< 321	Phenanthrene	ND< 321
Benzo (k) fluoranthene	ND< 321	Pyrene	ND< 321
Chrysene	ND< 321	Acenaphthylene	ND< 321
Diethyl phthalate	ND< 321	1,2-Dichlorobenzene	ND< 321
Dimethyl phthalate	ND< 802	1,3-Dichlorobenzene	ND< 321
Butylbenzylphthalate	ND< 321	1,4-Dichlorobenzene	ND< 321
Di-n-butyl phthalate	ND< 321	1,2,4-Trichlorobenzene	ND< 321
Di-n-octylphthalate	ND< 321	Nitrobenzene	ND< 321
Bis (2-ethylhexyl) phthalate	ND< 321	2,4-Dinitrotoluene	ND< 321
2-Chloronaphthalene	ND< 321	2,6-Dinitrotoluene	ND< 321
Hexachlorobenzene	ND< 321	Bis (2-chloroethyl) ether	ND< 321
Hexachloroethane	ND< 321	Bis (2-chloroisopropyl) ether	ND< 321
Hexachlorocyclopentadiene	ND< 321	Bis (2-chloroethoxy) methan	ND< 321
Hexachlorobutadiene	ND< 321	4-Bromophenyl phenyl ether	ND< 321
N-Nitroso-di-n-propylamine	ND< 321	4-Chlorophenyl phenyl ether	ND< 321
N-Nitrosodiphenylamine	ND< 321	Benzidine	ND< 802
N-Nitrosodimethylamine	ND< 321	3,3'-Dichlorobenzidine	ND< 321
Isophorone	ND< 321	4-Chloroaniline	ND< 321
Benzyl alcohol	ND< 802	2-Nitroaniline	ND< 802
Dibenzofuran	ND< 321	3-Nitroaniline	ND< 802
2-Methylnaphthalene	ND< 321	4-Nitroaniline	ND< 802

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 321	2-Methylphenol	ND< 321
2-Chlorophenol	ND< 321	3&4-Methylphenol	ND< 321
2,4-Dichlorophenol	ND< 321	2,4-Dimethylphenol	ND< 321
2,6-Dichlorophenol	ND< 321	2-Nitrophenol	ND< 321
2,4,5-Trichlorophenol	ND< 802	4-Nitrophenol	ND< 802
2,4,6-Trichlorophenol	ND< 321	2,4-Dinitrophenol	ND< 802
Pentachlorophenol	ND< 802	4,6-Dinitro-2-methylphenol	ND< 802
4-Chloro-3-methylphenol	ND< 321	Benzoic acid	ND< 802

ELAP Number 10958

Method: EPA 8270C

Data File: S52341.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

 Client: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10155

Client Job Number: FN050130

Field Location: PE-22B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/07/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 323	Dibenz (a,h) anthracene	ND< 323
Anthracene	ND< 323	Fluoranthene	ND< 323
Benzo (a) anthracene	ND< 323	Fluorene	ND< 323
Benzo (a) pyrene	ND< 323	Indeno (1,2,3-cd) pyrene	ND< 323
Benzo (b) fluoranthene	ND< 323	Naphthalene	ND< 323
Benzo (g,h,i) perylene	ND< 323	Phenanthrene	ND< 323
Benzo (k) fluoranthene	ND< 323	Pyrene	ND< 323
Chrysene	ND< 323	Acenaphthylene	ND< 323
Diethyl phthalate	ND< 323	1,2-Dichlorobenzene	ND< 323
Dimethyl phthalate	ND< 806	1,3-Dichlorobenzene	ND< 323
Butylbenzylphthalate	ND< 323	1,4-Dichlorobenzene	ND< 323
Di-n-butyl phthalate	ND< 323	1,2,4-Trichlorobenzene	ND< 323
Di-n-octylphthalate	ND< 323	Nitrobenzene	ND< 323
Bis (2-ethylhexyl) phthalate	ND< 323	2,4-Dinitrotoluene	ND< 323
2-Chloronaphthalene	ND< 323	2,6-Dinitrotoluene	ND< 323
Hexachlorobenzene	ND< 323	Bis (2-chloroethyl) ether	ND< 323
Hexachloroethane	ND< 323	Bis (2-chloroisopropyl) ether	ND< 323
Hexachlorocyclopentadiene	ND< 323	Bis (2-chloroethoxy) methan	ND< 323
Hexachlorobutadiene	ND< 323	4-Bromophenyl phenyl ether	ND< 323
N-Nitroso-di-n-propylamine	ND< 323	4-Chlorophenyl phenyl ether	ND< 323
N-Nitrosodiphenylamine	ND< 323	Benzidine	ND< 806
N-Nitrosodimethylamine	ND< 323	3,3'-Dichlorobenzidine	ND< 323
Isophorone	ND< 323	4-Chloroaniline	ND< 323
Benzyl alcohol	ND< 806	2-Nitroaniline	ND< 806
Dibenzofuran	ND< 323	3-Nitroaniline	ND< 806
2-Methylnaphthalene	ND< 323	4-Nitroaniline	ND< 806

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 323	2-Methylphenol	ND< 323
2-Chlorophenol	ND< 323	3&4-Methylphenol	ND< 323
2,4-Dichlorophenol	ND< 323	2,4-Dimethylphenol	ND< 323
2,6-Dichlorophenol	ND< 323	2-Nitrophenol	ND< 323
2,4,5-Trichlorophenol	ND< 806	4-Nitrophenol	ND< 806
2,4,6-Trichlorophenol	ND< 323	2,4-Dinitrophenol	ND< 806
Pentachlorophenol	ND< 806	4,6-Dinitro-2-methylphenol	ND< 806
4-Chloro-3-methylphenol	ND< 323	Benzoic acid	ND< 806

ELAP Number 10958

Method: EPA 8270C

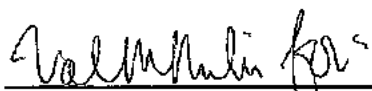
Data File: S52342.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature:


 Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience Corp.
Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10156

Client Job Number: FN050130

Field Location: PE-31B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/07/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 322	Dibenz (a,h) anthracene	ND< 322
Anthracene	ND< 322	Fluoranthene	ND< 322
Benzo (a) anthracene	ND< 322	Fluorene	ND< 322
Benzo (a) pyrene	ND< 322	Indeno (1,2,3-cd) pyrene	ND< 322
Benzo (b) fluoranthene	ND< 322	Naphthalene	ND< 322
Benzo (g,h,i) perylene	ND< 322	Phenanthrene	ND< 322
Benzo (k) fluoranthene	ND< 322	Pyrene	ND< 322
Chrysene	ND< 322	Acenaphthylene	ND< 322
Diethyl phthalate	ND< 322	1,2-Dichlorobenzene	ND< 322
Dimethyl phthalate	ND< 805	1,3-Dichlorobenzene	ND< 322
Butylbenzylphthalate	ND< 322	1,4-Dichlorobenzene	ND< 322
Di-n-butyl phthalate	ND< 322	1,2,4-Trichlorobenzene	ND< 322
Di-n-octylphthalate	ND< 322	Nitrobenzene	ND< 322
Bis (2-ethylhexyl) phthalate	ND< 322	2,4-Dinitrotoluene	ND< 322
2-Chloronaphthalene	ND< 322	2,6-Dinitrotoluene	ND< 322
Hexachlorobenzene	ND< 322	Bis (2-chloroethyl) ether	ND< 322
Hexachloroethane	ND< 322	Bis (2-chloroisopropyl) ether	ND< 322
Hexachlorocyclopentadiene	ND< 322	Bis (2-chloroethoxy) methan	ND< 322
Hexachlorobutadiene	ND< 322	4-Bromophenyl phenyl ether	ND< 322
N-Nitroso-di-n-propylamine	ND< 322	4-Chlorophenyl phenyl ether	ND< 322
N-Nitrosodiphenylamine	ND< 322	Benzidine	ND< 805
N-Nitrosodimethylamine	ND< 322	3,3'-Dichlorobenzidine	ND< 322
Isophorone	ND< 322	4-Chloroaniline	ND< 322
Benzyl alcohol	ND< 805	2-Nitroaniline	ND< 805
Dibenzofuran	ND< 322	3-Nitroaniline	ND< 805
2-Methylnaphthalene	ND< 322	4-Nitroaniline	ND< 805

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 322	2-Methylphenol	ND< 322
2-Chlorophenol	ND< 322	3&4-Methylphenol	ND< 322
2,4-Dichlorophenol	ND< 322	2,4-Dimethylphenol	ND< 322
2,6-Dichlorophenol	ND< 322	2-Nitrophenol	ND< 322
2,4,5-Trichlorophenol	ND< 805	4-Nitrophenol	ND< 805
2,4,6-Trichlorophenol	ND< 322	2,4-Dinitrophenol	ND< 805
Pentachlorophenol	ND< 805	4,6-Dinitro-2-methylphenol	ND< 805
4-Chloro-3-methylphenol	ND< 322	Benzoic acid	ND< 805

ELAP Number 10958

Method: EPA 8270C

Data File: S52343.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature:



Bruce Hoogsteger: Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience Corp.

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10148

Client Job Number: FN050130

Field Location: PE-12B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/02/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.25
Bromomethane	ND< 8.25
Bromoform	ND< 20.6
Carbon Tetrachloride	ND< 20.6
Chloroethane	ND< 8.25
Chloromethane	ND< 8.25
2-Chloroethyl vinyl Ether	ND< 41.3
Chloroform	ND< 8.25
Dibromochloromethane	ND< 8.25
1,1-Dichloroethane	ND< 8.25
1,2-Dichloroethane	ND< 8.25
1,1-Dichloroethene	ND< 8.25
cis-1,2-Dichloroethene	ND< 8.25
trans-1,2-Dichloroethene	ND< 8.25
1,2-Dichloropropane	ND< 8.25
cis-1,3-Dichloropropene	ND< 8.25
trans-1,3-Dichloropropene	ND< 8.25
Methylene chloride	ND< 20.6
1,1,2,2-Tetrachloroethane	ND< 8.25
Tetrachloroethene	19.9
1,1,1-Trichloroethane	ND< 8.25
1,1,2-Trichloroethane	ND< 8.25
Trichloroethene	ND< 8.25
Trichlorofluoromethane	ND< 8.25
Vinyl chloride	ND< 8.25

Aromatics	Results in ug / Kg
Benzene	ND< 8.25
Chlorobenzene	ND< 8.25
Ethylbenzene	ND< 8.25
Toluene	ND< 8.25
m,p-Xylene	ND< 8.25
o-Xylene	ND< 8.25
Styrene	ND< 20.6
1,2-Dichlorobenzene	ND< 20.6
1,3-Dichlorobenzene	ND< 20.6
1,4-Dichlorobenzene	ND< 8.25

Ketones	Results in ug / Kg
Acetone	ND< 41.3
2-Butanone	ND< 41.3
2-Hexanone	ND< 20.6
4-Methyl-2-pentanone	ND< 20.6

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 8.25
Vinyl acetate	ND< 20.6

ELAP Number 10958

Method: EPA 8260B

Data File: V77194.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger
 Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10148

Client Job Number: FN050130

Field Location: PE-12B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/02/2010

Date Reissued: 08/12/2010

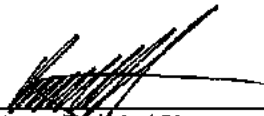
Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 41.3	1,2,4-Trimethylbenzene	ND< 8.25
sec-Butylbenzene	ND< 8.25	1,3,5-Trimethylbenzene	ND< 8.25
tert-Butylbenzene	ND< 20.6		
n-Propylbenzene	ND< 8.25	Miscellaneous	
Isopropylbenzene	ND< 41.3	Methyl tert-butyl Ether	ND< 8.25
p-Isopropyltoluene	ND< 41.3		
Naphthalene	ND< 20.6		

ELAP Number 10958

Method: EPA 8260B

Data File: V77194.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger, Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience Corp.

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10149

Client Job Number: FN050130

Field Location: PE-14B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/02/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.07
Bromomethane	ND< 7.07
Bromoform	ND< 17.7
Carbon Tetrachloride	ND< 17.7
Chloroethane	ND< 7.07
Chloromethane	ND< 7.07
2-Chloroethyl vinyl Ether	ND< 35.4
Chloroform	ND< 7.07
Dibromochloromethane	ND< 7.07
1,1-Dichloroethane	ND< 7.07
1,2-Dichloroethane	ND< 7.07
1,1-Dichloroethene	ND< 7.07
cis-1,2-Dichloroethene	ND< 7.07
trans-1,2-Dichloroethene	ND< 7.07
1,2-Dichloropropane	ND< 7.07
cis-1,3-Dichloropropene	ND< 7.07
trans-1,3-Dichloropropene	ND< 7.07
Methylene chloride	ND< 17.7
1,1,2,2-Tetrachloroethane	ND< 7.07
Tetrachloroethene	12.0
1,1,1-Trichloroethane	ND< 7.07
1,1,2-Trichloroethane	ND< 7.07
Trichloroethene	ND< 7.07
Trichlorofluoromethane	ND< 7.07
Vinyl chloride	ND< 7.07

Aromatics	Results in ug / Kg
Benzene	ND< 7.07
Chlorobenzene	ND< 7.07
Ethylbenzene	ND< 7.07
Toluene	ND< 7.07
m,p-Xylene	ND< 7.07
o-Xylene	ND< 7.07
Styrene	ND< 17.7
1,2-Dichlorobenzene	ND< 17.7
1,3-Dichlorobenzene	ND< 17.7
1,4-Dichlorobenzene	ND< 7.07

Ketones	Results in ug / Kg
Acetone	ND< 35.4
2-Butanone	ND< 35.4
2-Hexanone	ND< 17.7
4-Methyl-2-pentanone	ND< 17.7

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 7.07
Vinyl acetate	ND< 17.7

ELAP Number 10958

Method: EPA 8260B

Data File: V77195.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____



Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10149

Client Job Number: FN050130

Field Location: PE-14B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/02/2010

Date Reissued: 08/12/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 35.4	1,2,4-Trimethylbenzene	ND< 7.07
sec-Butylbenzene	ND< 7.07	1,3,5-Trimethylbenzene	ND< 7.07
tert-Butylbenzene	ND< 17.7		
n-Propylbenzene	ND< 7.07	Miscellaneous	
Isopropylbenzene	ND< 35.4	Methyl tert-butyl Ether	ND< 7.07
p-Isopropyltoluene	ND< 35.4		
Naphthalene	ND< 17.7		

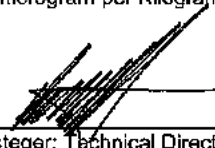
ELAP Number 10958

Method: EPA 8260B

Data File: V77195.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger, Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience Corp.

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10150

Client Job Number: FN050130

Field Location: PE-15B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/02/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.80
Bromomethane	ND< 7.80
Bromoform	ND< 19.5
Carbon Tetrachloride	ND< 19.5
Chloroethane	ND< 7.80
Chloromethane	ND< 7.80
2-Chloroethyl vinyl Ether	ND< 39.0
Chloroform	ND< 7.80
Dibromochloromethane	ND< 7.80
1,1-Dichloroethane	ND< 7.80
1,2-Dichloroethane	ND< 7.80
1,1-Dichloroethene	ND< 7.80
cis-1,2-Dichloroethene	ND< 7.80
trans-1,2-Dichloroethene	ND< 7.80
1,2-Dichloropropane	ND< 7.80
cis-1,3-Dichloropropene	ND< 7.80
trans-1,3-Dichloropropene	ND< 7.80
Methylene chloride	ND< 19.5
1,1,2,2-Tetrachloroethane	ND< 7.80
Tetrachloroethene	24.3
1,1,1-Trichloroethane	ND< 7.80
1,1,2-Trichloroethane	ND< 7.80
Trichloroethene	ND< 7.80
Trichlorofluoromethane	ND< 7.80
Vinyl chloride	ND< 7.80

Aromatics	Results in ug / Kg
Benzene	ND< 7.80
Chlorobenzene	ND< 7.80
Ethylbenzene	ND< 7.80
Toluene	ND< 7.80
m,p-Xylene	ND< 7.80
o-Xylene	ND< 7.80
Styrene	ND< 19.5
1,2-Dichlorobenzene	ND< 19.5
1,3-Dichlorobenzene	ND< 19.5
1,4-Dichlorobenzene	ND< 7.80

Ketones	Results in ug / Kg
Acetone	ND< 39.0
2-Butanone	ND< 39.0
2-Hexanone	ND< 19.5
4-Methyl-2-pentanone	ND< 19.5

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 7.80
Vinyl acetate	ND< 19.5

ELAP Number 10958

Method: EPA 8260B

Data File: V77196.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger
Bruce Hoogesteger, Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10150

Client Job Number: FN050130

Field Location: PE-15B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/02/2010

Date Reissued: 08/12/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 39.0	1,2,4-Trimethylbenzene	ND< 7.80
sec-Butylbenzene	ND< 7.80	1,3,5-Trimethylbenzene	ND< 7.80
tert-Butylbenzene	ND< 19.5		
n-Propylbenzene	ND< 7.80	Miscellaneous	
Isopropylbenzene	ND< 39.0	Methyl tert-butyl Ether	ND< 7.80
p-Isopropyltoluene	ND< 39.0		
Naphthalene	ND< 19.5		

ELAP Number 10958

Method: EPA 8260B

Data File: V77196.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger: Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience Corp.

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10151

Client Job Number: FN050130

Field Location: PE-18B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/02/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.63
Bromomethane	ND< 7.63
Bromoform	ND< 19.1
Carbon Tetrachloride	ND< 19.1
Chloroethane	ND< 7.63
Chloromethane	ND< 7.63
2-Chloroethyl vinyl Ether	ND< 38.1
Chloroform	ND< 7.63
Dibromochloromethane	ND< 7.63
1,1-Dichloroethane	ND< 7.63
1,2-Dichloroethane	ND< 7.63
1,1-Dichloroethene	ND< 7.63
cis-1,2-Dichloroethene	ND< 7.63
trans-1,2-Dichloroethene	ND< 7.63
1,2-Dichloropropane	ND< 7.63
cis-1,3-Dichloropropene	ND< 7.63
trans-1,3-Dichloropropene	ND< 7.63
Methylene chloride	ND< 19.1
1,1,2,2-Tetrachloroethane	ND< 7.63
Tetrachloroethene	14.9
1,1,1-Trichloroethane	ND< 7.63
1,1,2-Trichloroethane	ND< 7.63
Trichloroethene	ND< 7.63
Trichlorofluoromethane	ND< 7.63
Vinyl chloride	ND< 7.63

Aromatics	Results in ug / Kg
Benzene	ND< 7.63
Chlorobenzene	ND< 7.63
Ethylbenzene	ND< 7.63
Toluene	ND< 7.63
m,p-Xylene	ND< 7.63
o-Xylene	ND< 7.63
Styrene	ND< 19.1
1,2-Dichlorobenzene	ND< 19.1
1,3-Dichlorobenzene	ND< 19.1
1,4-Dichlorobenzene	ND< 7.63

Ketones	Results in ug / Kg
Acetone	ND< 38.1
2-Butanone	ND< 38.1
2-Hexanone	ND< 19.1
4-Methyl-2-pentanone	ND< 19.1

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 7.63
Vinyl acetate	ND< 19.1

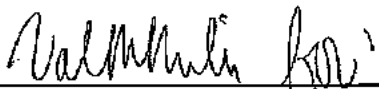
ELAP Number 10958

Method: EPA 8260B

Data File: V77197.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:


Bruce Hoogesteger: Technical Director



-43a-

Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)Client: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10151

Client Job Number: FN050130

Field Location: PE-18B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/02/2010

Date Reissued: 08/12/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 38.1	1,2,4-Trimethylbenzene	ND< 7.63
sec-Butylbenzene	ND< 7.63	1,3,5-Trimethylbenzene	ND< 7.63
tert-Butylbenzene	ND< 19.1		
n-Propylbenzene	ND< 7.63	Miscellaneous	
Isopropylbenzene	ND< 38.1	Methyl tert-butyl Ether	ND< 7.63
p-Isopropyltoluene	ND< 38.1		
Naphthalene	ND< 19.1		

ELAP Number 10958

Method: EPA 8260B

Data File: V77197.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience Corp.

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10152

Client Job Number: FN050130

Field Location: PE-19B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/02/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 6.75
Bromomethane	ND< 6.75
Bromoform	ND< 16.9
Carbon Tetrachloride	ND< 16.9
Chloroethane	ND< 6.75
Chloromethane	ND< 6.75
2-Chloroethyl vinyl Ether	ND< 33.8
Chloroform	ND< 6.75
Dibromochloromethane	ND< 6.75
1,1-Dichloroethane	ND< 6.75
1,2-Dichloroethane	ND< 6.75
1,1-Dichloroethene	ND< 6.75
cis-1,2-Dichloroethene	ND< 6.75
trans-1,2-Dichloroethene	ND< 6.75
1,2-Dichloropropane	ND< 6.75
cis-1,3-Dichloropropene	ND< 6.75
trans-1,3-Dichloropropene	ND< 6.75
Methylene chloride	ND< 16.9
1,1,2,2-Tetrachloroethane	ND< 6.75
Tetrachloroethene	16.9
1,1,1-Trichloroethane	ND< 6.75
1,1,2-Trichloroethane	ND< 6.75
Trichloroethene	ND< 6.75
Trichlorofluoromethane	ND< 6.75
Vinyl chloride	ND< 6.75

Aromatics	Results in ug / Kg
Benzene	ND< 6.75
Chlorobenzene	ND< 6.75
Ethylbenzene	ND< 6.75
Toluene	ND< 6.75
m,p-Xylene	ND< 6.75
o-Xylene	ND< 6.75
Styrene	ND< 16.9
1,2-Dichlorobenzene	ND< 16.9
1,3-Dichlorobenzene	ND< 16.9
1,4-Dichlorobenzene	ND< 6.75

Ketones	Results in ug / Kg
Acetone	ND< 33.8
2-Butanone	ND< 33.8
2-Hexanone	ND< 16.9
4-Methyl-2-pentanone	ND< 16.9

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 6.75
Vinyl acetate	ND< 16.9

ELAP Number 10958

Method: EPA 8260B

Data File: V77198.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client: **Conrad Geoscience Corp.**

Client Job Site: F&T Danigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10152

Client Job Number: FN050130

Field Location: PE-19B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/02/2010

Date Reissued: 08/12/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 33.8	1,2,4-Trimethylbenzene	ND< 6.75
sec-Butylbenzene	ND< 6.75	1,3,5-Trimethylbenzene	ND< 6.75
tert-Butylbenzene	ND< 16.9		
n-Propylbenzene	ND< 6.75	Miscellaneous	
Isopropylbenzene	ND< 33.8	Methyl tert-butyl Ether	ND< 6.75
p-Isopropyltoluene	ND< 33.8		
Naphthalene	ND< 16.9		

ELAP Number 10958

Method: EPA 8260B

Data File: V77198.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience Corp.

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10153

Client Job Number: FN050130

Field Location: PE-20B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/02/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.52
Bromomethane	ND< 8.52
Bromoform	ND< 21.3
Carbon Tetrachloride	ND< 21.3
Chloroethane	ND< 8.52
Chloromethane	ND< 8.52
2-Chloroethyl vinyl Ether	ND< 42.6
Chloroform	ND< 8.52
Dibromochloromethane	ND< 8.52
1,1-Dichloroethane	ND< 8.52
1,2-Dichloroethane	ND< 8.52
1,1-Dichloroethene	ND< 8.52
cis-1,2-Dichloroethene	ND< 8.52
trans-1,2-Dichloroethene	ND< 8.52
1,2-Dichloropropane	ND< 8.52
cis-1,3-Dichloropropene	ND< 8.52
trans-1,3-Dichloropropene	ND< 8.52
Methylene chloride	ND< 21.3
1,1,2,2-Tetrachloroethane	ND< 8.52
Tetrachloroethene	34.5
1,1,1-Trichloroethane	ND< 8.52
1,1,2-Trichloroethane	ND< 8.52
Trichloroethene	ND< 8.52
Trichlorofluoromethane	ND< 8.52
Vinyl chloride	ND< 8.52

Aromatics	Results in ug / Kg
Benzene	ND< 8.52
Chlorobenzene	ND< 8.52
Ethylbenzene	ND< 8.52
Toluene	ND< 8.52
m,p-Xylene	10.5
o-Xylene	ND< 8.52
Styrene	ND< 21.3
1,2-Dichlorobenzene	ND< 21.3
1,3-Dichlorobenzene	ND< 21.3
1,4-Dichlorobenzene	ND< 8.52

Ketones	Results in ug / Kg
Acetone	ND< 42.6
2-Butanone	ND< 42.6
2-Hexanone	ND< 21.3
4-Methyl-2-pentanone	ND< 21.3

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 8.52
Vinyl acetate	ND< 21.3

ELAP Number 10958

Method: EPA 8260B

Data File: V77199.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10153

Client Job Number: FN050130

Field Location: PE-20B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/02/2010

Date Reissued: 08/12/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 42.6	1,2,4-Trimethylbenzene	ND< 8.52
sec-Butylbenzene	ND< 8.52	1,3,5-Trimethylbenzene	ND< 8.52
tert-Butylbenzene	ND< 21.3		
n-Propylbenzene	ND< 8.52	Miscellaneous	
Isopropylbenzene	ND< 42.6	Methyl tert-butyl Ether	ND< 8.52
p-Isopropyltoluene	ND< 42.6		
Naphthalene	ND< 21.3		

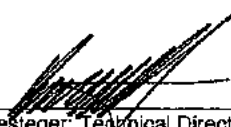
ELAP Number 10958

Method: EPA 8260B

Data File: V77199.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger, Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience Corp.

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10154

Client Job Number: FN050130

Field Location: PE-21B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/02/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.96
Bromomethane	ND< 8.96
Bromoform	ND< 22.4
Carbon Tetrachloride	ND< 22.4
Chloroethane	ND< 8.96
Chloromethane	ND< 8.96
2-Chloroethyl vinyl Ether	ND< 44.8
Chloroform	ND< 8.96
Dibromochloromethane	ND< 8.96
1,1-Dichloroethane	ND< 8.96
1,2-Dichloroethane	ND< 8.96
1,1-Dichloroethene	ND< 8.96
cis-1,2-Dichloroethene	ND< 8.96
trans-1,2-Dichloroethene	ND< 8.96
1,2-Dichloropropane	ND< 8.96
cis-1,3-Dichloropropene	ND< 8.96
trans-1,3-Dichloropropene	ND< 8.96
Methylene chloride	ND< 22.4
1,1,2,2-Tetrachloroethane	ND< 8.96
Tetrachloroethene	12.6
1,1,1-Trichloroethane	ND< 8.96
1,1,2-Trichloroethane	ND< 8.96
Trichloroethene	ND< 8.96
Trichlorofluoromethane	ND< 8.96
Vinyl chloride	ND< 8.96

Aromatics	Results in ug / Kg
Benzene	ND< 8.96
Chlorobenzene	ND< 8.96
Ethylbenzene	ND< 8.96
Toluene	ND< 8.96
m,p-Xylene	ND< 8.96
o-Xylene	ND< 8.96
Styrene	ND< 22.4
1,2-Dichlorobenzene	ND< 22.4
1,3-Dichlorobenzene	ND< 22.4
1,4-Dichlorobenzene	ND< 8.96

Ketones	Results in ug / Kg
Acetone	ND< 44.8
2-Butanone	ND< 44.8
2-Hexanone	ND< 22.4
4-Methyl-2-pentanone	ND< 22.4

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 8.96
Vinyl acetate	ND< 22.4

ELAP Number 10958

Method: EPA 8260B

Data File: V77200.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client: **Conrad Geoscience Corp.**

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10154

Client Job Number: FN050130

Field Location: PE-21B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/02/2010

Date Reissued: 08/12/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 44.8	1,2,4-Trimethylbenzene	ND< 8.96
sec-Butylbenzene	ND< 8.96	1,3,5-Trimethylbenzene	ND< 8.96
tert-Butylbenzene	ND< 22.4		
n-Propylbenzene	ND< 8.96	Miscellaneous	
Isopropylbenzene	ND< 44.8	Methyl tert-butyl Ether	ND< 8.96
p-Isopropyltoluene	ND< 44.8		
Naphthalene	ND< 22.4		

ELAP Number 10958

Method: EPA 8260B

Data File: V77200.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger, Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience Corp.
Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10155

Client Job Number: FN050130

Field Location: PE-22B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/02/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.91
Bromomethane	ND< 8.91
Bromoform	ND< 22.3
Carbon Tetrachloride	ND< 22.3
Chloroethane	ND< 8.91
Chloromethane	ND< 8.91
2-Chloroethyl vinyl Ether	ND< 44.5
Chloroform	ND< 8.91
Dibromochloromethane	ND< 8.91
1,1-Dichloroethane	ND< 8.91
1,2-Dichloroethane	ND< 8.91
1,1-Dichloroethene	ND< 8.91
cis-1,2-Dichloroethene	ND< 8.91
trans-1,2-Dichloroethene	ND< 8.91
1,2-Dichloropropane	ND< 8.91
cis-1,3-Dichloropropene	ND< 8.91
trans-1,3-Dichloropropene	ND< 8.91
Methylene chloride	ND< 22.3
1,1,2,2-Tetrachloroethane	ND< 8.91
Tetrachloroethene	16.0
1,1,1-Trichloroethane	ND< 8.91
1,1,2-Trichloroethane	ND< 8.91
Trichloroethene	ND< 8.91
Trichlorofluoromethane	ND< 8.91
Vinyl chloride	ND< 8.91

Aromatics	Results in ug / Kg
Benzene	ND< 8.91
Chlorobenzene	ND< 8.91
Ethylbenzene	ND< 8.91
Toluene	ND< 8.91
m,p-Xylene	ND< 8.91
o-Xylene	ND< 8.91
Styrene	ND< 22.3
1,2-Dichlorobenzene	ND< 22.3
1,3-Dichlorobenzene	ND< 22.3
1,4-Dichlorobenzene	ND< 8.91

Ketones	Results in ug / Kg
Acetone	ND< 44.5
2-Butanone	ND< 44.5
2-Hexanone	ND< 22.3
4-Methyl-2-pentanone	ND< 22.3

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 8.91
Vinyl acetate	ND< 22.3

ELAP Number 10958

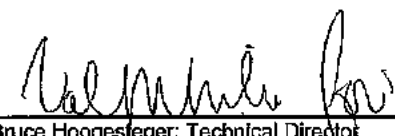
Method: EPA 8260B

Data File: V77201.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogseeger: Technical Director



-47a-

Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client:** Conrad Geoscience Corp.**Client Job Site:** F&T Darrigo - Newburgh**Lab Project Number:** 10-3046**Lab Sample Number:** 10155**Client Job Number:** FN050130**Field Location:** PE-22B**Date Sampled:** 07/26/2010**Field ID Number:** N/A**Date Received:** 07/27/2010**Sample Type:** Soil**Date Analyzed:** 08/02/2010**Date Reissued:** 08/12/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 44.5	1,2,4-Trimethylbenzene	ND< 8.91
sec-Butylbenzene	ND< 8.91	1,3,5-Trimethylbenzene	ND< 8.91
tert-Butylbenzene	ND< 22.3		
n-Propylbenzene	ND< 8.91	Miscellaneous	
Isopropylbenzene	ND< 44.5	Methyl tert-butyl Ether	ND< 8.91
p-Isopropyltoluene	ND< 44.5		
Naphthalene	ND< 22.3		

ELAP Number 10958

Method: EPA 8260B

Data File: V77201.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience Corp.

Client Job Site: F&T Darrigo - Newburgh

Lab Project Number: 10-3046

Lab Sample Number: 10156

Client Job Number: FN050130

Field Location: PE-31B

Date Sampled: 07/26/2010

Field ID Number: N/A

Date Received: 07/27/2010

Sample Type: Soil

Date Analyzed: 08/02/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.05
Bromomethane	ND< 7.05
Bromoform	ND< 17.6
Carbon Tetrachloride	ND< 17.6
Chloroethane	ND< 7.05
Chloromethane	ND< 7.05
2-Chloroethyl vinyl Ether	ND< 35.3
Chloroform	ND< 7.05
Dibromochloromethane	ND< 7.05
1,1-Dichloroethane	ND< 7.05
1,2-Dichloroethane	ND< 7.05
1,1-Dichloroethene	ND< 7.05
cis-1,2-Dichloroethene	ND< 7.05
trans-1,2-Dichloroethene	ND< 7.05
1,2-Dichloropropane	ND< 7.05
cis-1,3-Dichloropropene	ND< 7.05
trans-1,3-Dichloropropene	ND< 7.05
Methylene chloride	ND< 17.6
1,1,2,2-Tetrachloroethane	ND< 7.05
Tetrachloroethane	9.04
1,1,1-Trichloroethane	ND< 7.05
1,1,2-Trichloroethane	ND< 7.05
Trichloroethene	ND< 7.05
Trichlorofluoromethane	ND< 7.05
Vinyl chloride	ND< 7.05

ELAP Number 10958

Method: EPA 8260B

Data File: V77202.D

Aromatics	Results in ug / Kg
Benzene	ND< 7.05
Chlorobenzene	ND< 7.05
Ethylbenzene	ND< 7.05
Toluene	ND< 7.05
m,p-Xylene	ND< 7.05
o-Xylene	ND< 7.05
Styrene	ND< 17.6
1,2-Dichlorobenzene	ND< 17.6
1,3-Dichlorobenzene	ND< 17.6
1,4-Dichlorobenzene	ND< 7.05

Ketones	Results in ug / Kg
Acetone	ND< 35.3
2-Butanone	ND< 35.3
2-Hexanone	ND< 17.6
4-Methyl-2-pentanone	ND< 17.6

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 7.05
Vinyl acetate	ND< 17.6

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)****Client:** Conrad Geoscience Corp.**Client Job Site:** F&T Darrigo - Newburgh**Lab Project Number:** 10-3046**Lab Sample Number:** 10156**Client Job Number:** FN050130**Field Location:** PE-31B**Date Sampled:** 07/26/2010**Field ID Number:** N/A**Date Received:** 07/27/2010**Sample Type:** Soil**Date Analyzed:** 08/02/2010**Date Reissued:** 08/12/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 35.3	1,2,4-Trimethylbenzene	ND< 7.05
sec-Butylbenzene	ND< 7.05	1,3,5-Trimethylbenzene	ND< 7.05
tert-Butylbenzene	ND< 17.6		
n-Propylbenzene	ND< 7.05	Miscellaneous	
Isopropylbenzene	ND< 35.3	Methyl tert-butyl Ether	ND< 7.05
p-Isopropyltoluene	ND< 35.3		
Naphthalene	ND< 17.6		

ELAP Number 10958

Method: EPA 8260B

Data File: V77202.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2590 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

1 of 2 copies
Client

PROJECT NAME/SITE NAME:
*Fort Davidge -
Newburgh*

COMPANY: *Canard Casanova Corp.*
ADDRESS: *1 Canard Center Plaza Suite 501*
CITY: *Poughkeepsie* STATE: *NY* ZIP: *12601*
PHONE: *(845) 454-2704* FAX: *(845) 454-2655*

COMPANY: *Same*
ADDRESS: *Same*
CITY: *Same* STATE: *Same* ZIP: *Same*
PHONE: *Same* FAX: *Same*

LAB PROJECT #: *10-3044* CLIENT PROJECT #: *FN050130*
TURNAROUND TIME (WORKING DAYS):
QUOTE #: ☐ 1 ☐ 2 ☐ 3 ☒ 5
STP: ☒ OTHER: ☐ 10

ATTN: *Matt Tymoshuk*
COMMENTS: *Please return cooler*

ATTN: *Tara Alvarado*

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATERIALS	CONTAMINANTS	TESTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	7/26/10	14:30	X	PE-10B	Soil	1	13 PP Metals Pesticides Hexachlor	1-day T.A.T., no Hex	10147
2		14:32		PE-12B					10148
3		14:34		PE-14B				no PPL metals	10149
4		14:36		PE-15B				on PE-10B, only	10150
5		14:38		PE-18B				Cr per client	10151
6		14:40		PE-19B				edf 7/27/10	10152
7		14:42		PE-20B				2 day for Cr per	10153
8		14:44		PE-21B				job edf 7/27	10154
9		14:46		PE-22B				CC CR 8-12-10	10155
10		14:48		PE-31B				add Barium to	10156

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/EAP 210/241/242/243/244 → HxCs, TCM sent directly to client

DATE: 8/12/10 1325

Receipt Parameter: NELAC Compliance

Container Type: ☒ Y ☐ N

Preservation: ☒ Y ☐ N

Holding Time: ☒ Y ☐ N

Temperature: ☒ 10°C ☐ 22°C

Received By: *Emily J. Gorman* Date/Time: *7/26/10 1030*

Relinquished By: *7/26/10 1700* Date/Time: *7/26/10 14:48*

Total Cost:

P.L.E.

Client: Conrad Geoscience

Lab Project No.: 10-2918

Client Job Site: F&T Darrigo

Sample Type: Soil

Client Job No.: FN050130

Date Sampled: 7/15/2010

Date Received: 7/16/2010

Analytical Method: SW 9012

Date Analyzed: 7/22/2010

Laboratory Report for Total Cyanide

Lab Sample ID	Sample Location/Field ID	TCN (ug/g)
9608	PE-12	ND<0.50
9609	PE-13	ND<0.50
9610	PE-14	ND<0.50
9611	PE-15	ND<0.50
9612	PE-16	ND<0.50
9613	PE-17	ND<0.50
9614	PE-18	ND<0.50
9615	PE-19	1.6
9616	PE-20	ND<0.50
9617	PE-21	2.0
9618	PE-22	ND<0.50
9619	PE-23	ND<0.50

ELAP ID.No.: 10709

Comments: ND denotes Non Detect.

Approved By Technical Director: _____

Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt

File ID: Conrad 10-2918

Client:	<u>Conrad Geoscience</u>	Lab Project No.:	10-2918
Client Job Site:	F&T Darrigo	Sample Type:	Soil
Client Job No.:	FN050130	Date Sampled:	7/15/2010
		Date Received:	7/16/2010
Analytical Method:	SW 9012	Date Analyzed:	7/22/2010

Laboratory Report for Total Cyanide

Lab Sample ID	Sample Location/Field ID	TCN (ug/g)
9620	PE-24	ND<0.50
9621	PE-25	ND<0.50
9622	PE-26	ND<0.50
9623	PE-27	ND<0.50
9624	PE-28	ND<0.50
9625	PE-29	ND<0.50
9626	PE-30	ND<0.50
9627	PE-31	ND<0.50
9628	PE-32	ND<0.50
9629	PE-33	ND<0.50
9630	PE-34	ND<0.50
9631	PE-35	ND<0.50

ELAP ID.No.: 10709

Comments: ND denotes Non Detect.

Approved By Technical Director: _____

Bruce Hoogesteger

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File ID: Conrad 10-2918



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 10-2918

Issued July 26, 2010

This report contains a total of 152 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience

Lab Project No.: 10-2918

Client Job Site: F&T Darrigo

Sample Type: Soil

Client Job No.: FN050130

Date Sampled: 7/15/2010

Date Received: 7/16/2010

Analytical Method: SW 9012

Date Analyzed: 7/22/2010

Laboratory Report for Total Cyanide

Lab Sample ID	Sample Location/Field ID	TCN (ug/g)
9608	PE-12	ND<0.50
9609	PE-13	ND<0.50
9610	PE-14	ND<0.50
9611	PE-15	ND<0.50
9612	PE-16	ND<0.50
9613	PE-17	ND<0.50
9614	PE-18	ND<0.50
9615	PE-19	1.6
9616	PE-20	ND<0.50
9617	PE-21	2.0
9618	PE-22	ND<0.50
9619	PE-23	ND<0.50

ELAP ID.No.: 10709

Comments: ND denotes Non Detect.

Approved By Technical Director: _____

Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt

File ID: Conrad 10-2918

Client: Conrad Geoscience

Lab Project No.: 10-2918

Client Job Site: F&T Darrigo

Sample Type: Soil

Client Job No.: FN050130

Date Sampled: 7/15/2010

Analytical Method: SW 9012

Date Received: 7/16/2010

Date Analyzed: 7/22/2010

Laboratory Report for Total Cyanide

Lab Sample ID	Sample Location/Field ID	TCN (ug/g)
9620	PE-24	ND<0.50
9621	PE-25	ND<0.50
9622	PE-26	ND<0.50
9623	PE-27	ND<0.50
9624	PE-28	ND<0.50
9625	PE-29	ND<0.50
9626	PE-30	ND<0.50
9627	PE-31	ND<0.50
9628	PE-32	ND<0.50
9629	PE-33	ND<0.50
9630	PE-34	ND<0.50
9631	PE-35	ND<0.50

ELAP ID.No.: 10709

Comments: ND denotes Non Detect.

Approved By Technical Director: _____

Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt

File ID: Conrad 10-2918

Client:	<u>Conrad Geoscience</u>	Lab Project No.:	10-2918
Client Job Site:	F&T Darrigo	Sample Type:	Soil
Client Job No.:	FN050130	Date Sampled:	7/15/2010
		Date Received:	7/16/2010
Analytical Method:	SW 7196A Mod.	Date Analyzed:	7/23/2010

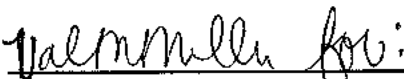
Laboratory Report for Hexavalent Chromium

Lab Sample ID	Sample Location/Field ID	Hexavalent Chromium (ug/g)
9608	PE-12	ND<0.4
9609	PE-13	ND<0.4
9610	PE-14	ND<0.4
9611	PE-15	ND<0.4
9612	PE-16	ND<0.4
9613	PE-17	ND<0.4
9614	PE-18	ND<0.4
9615	PE-19	ND<0.4
9616	PE-20	ND<0.4
9617	PE-21	ND<0.4
9618	PE-22	ND<0.4
9619	PE-23	ND<0.4

ELAP ID.No.: 10709

Comments: ND denotes Non Detect.

Approved By Technical Director:



Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt

File ID: Conrad 10-2918

Client: Conrad Geoscience **Lab Project No.:** 10-2918
Client Job Site: F&T Darrigo **Sample Type:** Soil
Client Job No.: FN050130 **Date Sampled:** 7/15/2010
Analytical Method: SW 7196A Mod. **Date Received:** 7/16/2010
Date Analyzed: 7/23/2010

Laboratory Report for Hexavalent Chromium

Lab Sample ID	Sample Location/Field ID	Hexavalent Chromium (ug/g)
9620	PE-24	ND<0.4
9621	PE-25	ND<0.4
9622	PE-26	ND<0.4
9623	PE-27	ND<0.4
9624	PE-28	ND<0.4
9625	PE-29	ND<0.4
9626	PE-30	ND<0.4
9627	PE-31	ND<0.4
9628	PE-32	ND<0.4
9629	PE-33	ND<0.4
9630	PE-34	ND<0.4
9631	PE-35	ND<0.4

ELAP ID.No.: 10709

Comments: ND denotes Non Detect.

Approved By Technical Director: Bruce Högsteger

Bruce Högsteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt

File ID: Conrad 10-2918



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Client Job Site: F&T Darrigo

Lab Sample No.: 9608

Client Job No.: FN050130

Sample Type: Soil

Field Location: PE-12

Date Sampled: 07/15/2010

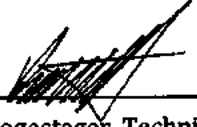
Field ID No.: N/A

Date Received: 07/16/2010

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<4.48
Arsenic	07/20/2010	SW846 6010	5.92
Beryllium	07/20/2010	SW846 6010	0.473
Cadmium	07/20/2010	SW846 6010	<0.374
Chromium	07/20/2010	SW846 6010	31.9
Copper	07/20/2010	SW846 6010	32.8
Lead	07/20/2010	SW846 6010	11.6
Mercury	07/22/2010	SW846 7471	0.0380
Nickel	07/20/2010	SW846 6010	31.4
Selenium	07/20/2010	SW846 6010	<0.374
Silver	07/20/2010	SW846 6010	<0.747
Thallium	07/20/2010	SW846 6010	<0.448
Zinc	07/20/2010	SW846 6010	98.7

ELAP ID No.:10958

Comments:

Approved By: 

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. File ID:102918.xls



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Client Job Site: F&T Darrigo

Lab Sample No.: 9609

Client Job No.: FN050130

Sample Type: Soil

Field Location: PE-13

Date Sampled: 07/15/2010

Field ID No.: N/A

Date Received: 07/16/2010

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<4.84
Arsenic	07/20/2010	SW846 6010	4.57
Beryllium	07/20/2010	SW846 6010	<0.403
Cadmium	07/20/2010	SW846 6010	<0.403
Chromium	07/20/2010	SW846 6010	19.7
Copper	07/20/2010	SW846 6010	20.0
Lead	07/20/2010	SW846 6010	9.23
Mercury	07/22/2010	SW846 7471	0.0370
Nickel	07/20/2010	SW846 6010	22.8
Selenium	07/20/2010	SW846 6010	<0.403
Silver	07/20/2010	SW846 6010	<0.807
Thallium	07/20/2010	SW846 6010	<0.484
Zinc	07/20/2010	SW846 6010	60.4

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

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ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Lab Sample No.: 9610

Client Job Site: F&T Darrigo

Sample Type: Soil

Client Job No.: FN050130

Date Sampled: 07/15/2010

Field Location: PE-14

Date Received: 07/16/2010

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<6.11
Arsenic	07/20/2010	SW846 6010	5.36
Beryllium	07/20/2010	SW846 6010	<0.509
Cadmium	07/20/2010	SW846 6010	<0.509
Chromium	07/20/2010	SW846 6010	47.7
Copper	07/20/2010	SW846 6010	52.9
Lead	07/20/2010	SW846 6010	22.6
Mercury	07/22/2010	SW846 7471	0.403
Nickel	07/20/2010	SW846 6010	32.9
Selenium	07/20/2010	SW846 6010	<0.509
Silver	07/20/2010	SW846 6010	<1.02
Thallium	07/20/2010	SW846 6010	<0.611
Zinc	07/20/2010	SW846 6010	82.0

ELAP ID No.:10958

Comments:

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LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Client Job Site: F&T Darrigo

Lab Sample No.: 9611

Client Job No.: FN050130

Sample Type: Soil

Field Location: PE-15

Date Sampled: 07/15/2010

Field ID No.: N/A

Date Received: 07/16/2010

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<6.80
Arsenic	07/20/2010	SW846 6010	6.25
Beryllium	07/20/2010	SW846 6010	<0.566
Cadmium	07/20/2010	SW846 6010	<0.566
Chromium	07/20/2010	SW846 6010	33.1
Copper	07/20/2010	SW846 6010	53.9
Lead	07/20/2010	SW846 6010	22.9
Mercury	07/22/2010	SW846 7471	0.467
Nickel	07/20/2010	SW846 6010	112
Selenium	07/20/2010	SW846 6010	<0.566
Silver	07/20/2010	SW846 6010	<1.13
Thallium	07/20/2010	SW846 6010	<0.680
Zinc	07/20/2010	SW846 6010	135

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LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Lab Sample No.: 9612

Client Job Site: F&T Darrigo

Sample Type: Soil

Client Job No.: FN050130

Date Sampled: 07/15/2010

Field Location: PE-16

Date Received: 07/16/2010

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<6.22
Arsenic	07/20/2010	SW846 6010	5.59
Beryllium	07/20/2010	SW846 6010	<0.518
Cadmium	07/20/2010	SW846 6010	<0.518
Chromium	07/20/2010	SW846 6010	17.7
Copper	07/20/2010	SW846 6010	24.3
Lead	07/20/2010	SW846 6010	12.2
Mercury	07/22/2010	SW846 7471	0.0741
Nickel	07/20/2010	SW846 6010	26.7
Selenium	07/20/2010	SW846 6010	<0.518
Silver	07/20/2010	SW846 6010	<1.04
Thallium	07/20/2010	SW846 6010	<0.622
Zinc	07/20/2010	SW846 6010	86.9

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LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Lab Sample No.: 9613

Client Job Site: F&T Darrigo

Sample Type: Soil

Client Job No.: FN050130

Date Sampled: 07/15/2010

Field Location: PE-17

Date Received: 07/16/2010

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<5.90
Arsenic	07/20/2010	SW846 6010	4.62
Beryllium	07/20/2010	SW846 6010	<0.492
Cadmium	07/20/2010	SW846 6010	<0.492
Chromium	07/20/2010	SW846 6010	17.7
Copper	07/20/2010	SW846 6010	25.0
Lead	07/20/2010	SW846 6010	9.79
Mercury	07/22/2010	SW846 7471	0.0399
Nickel	07/20/2010	SW846 6010	17.4
Selenium	07/20/2010	SW846 6010	<0.492
Silver	07/20/2010	SW846 6010	<0.984
Thallium	07/20/2010	SW846 6010	<0.590
Zinc	07/20/2010	SW846 6010	64.6

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LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Lab Sample No.: 9614

Client Job Site: F&T Darrigo

Sample Type: Soil

Client Job No.: FN050130

Date Sampled: 07/15/2010

Field Location: PE-18

Date Received: 07/16/2010

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<7.21
Arsenic	07/20/2010	SW846 6010	5.57
Beryllium	07/20/2010	SW846 6010	<0.600
Cadmium	07/20/2010	SW846 6010	2.87
Chromium	07/20/2010	SW846 6010	248
Copper	07/20/2010	SW846 6010	266
Lead	07/20/2010	SW846 6010	67.4
Mercury	07/22/2010	SW846 7471	0.204
Nickel	07/20/2010	SW846 6010	57.2
Selenium	07/20/2010	SW846 6010	<0.600
Silver	07/20/2010	SW846 6010	4.26
Thallium	07/20/2010	SW846 6010	<0.721
Zinc	07/20/2010	SW846 6010	278

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LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Client Job Site: F&T Darrigo

Lab Sample No.: 9615

Client Job No.: FN050130

Sample Type: Soil

Field Location: PE-19

Date Sampled: 07/15/2010

Field ID No.: N/A

Date Received: 07/16/2010

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<4.94
Arsenic	07/20/2010	SW846 6010	4.27
Beryllium	07/20/2010	SW846 6010	0.510
Cadmium	07/20/2010	SW846 6010	<0.412
Chromium	07/20/2010	SW846 6010	37.9
Copper	07/20/2010	SW846 6010	69.4
Lead	07/20/2010	SW846 6010	24.1
Mercury	07/22/2010	SW846 7471	0.132
Nickel	07/20/2010	SW846 6010	35.5
Selenium	07/20/2010	SW846 6010	<0.412
Silver	07/20/2010	SW846 6010	<0.822
Thallium	07/20/2010	SW846 6010	<0.494
Zinc	07/20/2010	SW846 6010	223

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LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Client Job Site: F&T Darrigo

Lab Sample No.: 9616

Client Job No.: FN050130

Sample Type: Soil

Field Location: PE-20

Date Sampled: 07/15/2010

Field ID No.: N/A

Date Received: 07/16/2010

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<5.96
Arsenic	07/20/2010	SW846 6010	6.11
Beryllium	07/20/2010	SW846 6010	0.560
Cadmium	07/20/2010	SW846 6010	<0.496
Chromium	07/20/2010	SW846 6010	24.1
Copper	07/20/2010	SW846 6010	61.3
Lead	07/20/2010	SW846 6010	61.6
Mercury	07/22/2010	SW846 7471	0.188
Nickel	07/20/2010	SW846 6010	23.3
Selenium	07/20/2010	SW846 6010	<0.496
Silver	07/20/2010	SW846 6010	<0.993
Thallium	07/20/2010	SW846 6010	<0.596
Zinc	07/20/2010	SW846 6010	151

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LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Lab Sample No.: 9617

Client Job Site: F&T Darrigo

Sample Type: Soil

Client Job No.: FN050130

Date Sampled: 07/15/2010

Field Location: PE-21

Date Received: 07/16/2010

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	7.35
Arsenic	07/20/2010	SW846 6010	5.79
Beryllium	07/20/2010	SW846 6010	<0.559
Cadmium	07/20/2010	SW846 6010	0.938
Chromium	07/20/2010	SW846 6010	129
Copper	07/20/2010	SW846 6010	166
Lead	07/20/2010	SW846 6010	45.9
Mercury	07/22/2010	SW846 7471	0.872
Nickel	07/20/2010	SW846 6010	34.5
Selenium	07/20/2010	SW846 6010	<0.559
Silver	07/20/2010	SW846 6010	4.04
Thallium	07/20/2010	SW846 6010	<0.670
Zinc	07/20/2010	SW846 6010	171

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LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Lab Sample No.: 9618

Client Job Site: F&T Darrigo

Sample Type: Soil

Client Job No.: FN050130

Date Sampled: 07/15/2010

Field Location: PE-22

Date Received: 07/16/2010

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<5.27
Arsenic	07/20/2010	SW846 6010	5.29
Beryllium	07/20/2010	SW846 6010	<0.439
Cadmium	07/20/2010	SW846 6010	<0.439
Chromium	07/20/2010	SW846 6010	26.2
Copper	07/20/2010	SW846 6010	28.9
Lead	07/20/2010	SW846 6010	11.5
Mercury	07/22/2010	SW846 7471	0.177
Nickel	07/20/2010	SW846 6010	20.2
Selenium	07/20/2010	SW846 6010	<0.439
Silver	07/20/2010	SW846 6010	<0.878
Thallium	07/20/2010	SW846 6010	<0.527
Zinc	07/20/2010	SW846 6010	62.0

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179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Lab Sample No.: 9619

Client Job Site: F&T Darrigo

Sample Type: Soil

Client Job No.: FN050130

Date Sampled: 07/15/2010

Field Location: PE-23

Date Received: 07/16/2010

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<5.01
Arsenic	07/20/2010	SW846 6010	5.14
Beryllium	07/20/2010	SW846 6010	0.482
Cadmium	07/20/2010	SW846 6010	<0.417
Chromium	07/20/2010	SW846 6010	18.5
Copper	07/20/2010	SW846 6010	26.5
Lead	07/20/2010	SW846 6010	14.2
Mercury	07/22/2010	SW846 7471	0.0940
Nickel	07/20/2010	SW846 6010	28.3
Selenium	07/20/2010	SW846 6010	<0.417
Silver	07/20/2010	SW846 6010	<0.834
Thallium	07/20/2010	SW846 6010	<0.501
Zinc	07/20/2010	SW846 6010	84.4

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179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Client Job Site: F&T Darrigo

Lab Sample No.: 9620

Client Job No.: FN050130

Sample Type: Soil

Field Location: PE-24

Date Sampled: 07/15/2010

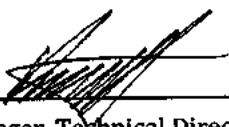
Field ID No.: N/A

Date Received: 07/16/2010

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<4.91
Arsenic	07/20/2010	SW846 6010	5.21
Beryllium	07/20/2010	SW846 6010	0.495
Cadmium	07/20/2010	SW846 6010	<0.410
Chromium	07/20/2010	SW846 6010	20.0
Copper	07/20/2010	SW846 6010	23.8
Lead	07/20/2010	SW846 6010	13.7
Mercury	07/22/2010	SW846 7471	0.105
Nickel	07/20/2010	SW846 6010	25.9
Selenium	07/20/2010	SW846 6010	<0.410
Silver	07/20/2010	SW846 6010	<0.818
Thallium	07/20/2010	SW846 6010	<0.491
Zinc	07/20/2010	SW846 6010	73.3

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LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Client Job Site: F&T Darrigo

Lab Sample No.: 9621

Client Job No.: FN050130

Sample Type: Soil

Field Location: PE-25

Date Sampled: 07/15/2010

Field ID No.: N/A

Date Received: 07/16/2010

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<5.47
Arsenic	07/20/2010	SW846 6010	6.28
Beryllium	07/20/2010	SW846 6010	0.504
Cadmium	07/20/2010	SW846 6010	<0.456
Chromium	07/20/2010	SW846 6010	19.3
Copper	07/20/2010	SW846 6010	28.2
Lead	07/20/2010	SW846 6010	10.1
Mercury	07/22/2010	SW846 7471	0.0407
Nickel	07/20/2010	SW846 6010	23.2
Selenium	07/20/2010	SW846 6010	<0.456
Silver	07/20/2010	SW846 6010	<0.911
Thallium	07/20/2010	SW846 6010	<0.547
Zinc	07/20/2010	SW846 6010	64.7

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LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Client Job Site: F&T Darrigo

Lab Sample No.: 9622

Client Job No.: FN050130

Sample Type: Soil

Field Location: PE-26

Date Sampled: 07/15/2010

Field ID No.: N/A

Date Received: 07/16/2010

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<6.07
Arsenic	07/20/2010	SW846 6010	7.66
Beryllium	07/20/2010	SW846 6010	0.536
Cadmium	07/20/2010	SW846 6010	<0.507
Chromium	07/20/2010	SW846 6010	19.2
Copper	07/20/2010	SW846 6010	28.7
Lead	07/20/2010	SW846 6010	15.2
Mercury	07/22/2010	SW846 7471	0.0634
Nickel	07/20/2010	SW846 6010	23.3
Selenium	07/20/2010	SW846 6010	<0.507
Silver	07/20/2010	SW846 6010	<1.01
Thallium	07/20/2010	SW846 6010	<0.607
Zinc	07/20/2010	SW846 6010	69.6

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LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Lab Sample No.: 9623

Client Job Site: F&T Darrigo

Sample Type: Soil

Client Job No.: FN050130

Date Sampled: 07/15/2010

Field Location: PE-27

Date Received: 07/16/2010

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<6.04
Arsenic	07/20/2010	SW846 6010	8.91
Beryllium	07/20/2010	SW846 6010	<0.504
Cadmium	07/20/2010	SW846 6010	<0.504
Chromium	07/20/2010	SW846 6010	22.7
Copper	07/20/2010	SW846 6010	34.2
Lead	07/20/2010	SW846 6010	14.2
Mercury	07/22/2010	SW846 7471	0.0715
Nickel	07/20/2010	SW846 6010	23.8
Selenium	07/20/2010	SW846 6010	<0.504
Silver	07/20/2010	SW846 6010	<1.01
Thallium	07/20/2010	SW846 6010	<0.604
Zinc	07/20/2010	SW846 6010	65.9

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LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Lab Sample No.: 9624

Client Job Site: F&T Darrigo

Sample Type: Soil

Client Job No.: FN050130

Date Sampled: 07/15/2010

Field Location: PE-28

Date Received: 07/16/2010

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<5.40
Arsenic	07/20/2010	SW846 6010	7.07
Beryllium	07/20/2010	SW846 6010	0.623
Cadmium	07/20/2010	SW846 6010	<0.450
Chromium	07/20/2010	SW846 6010	23.5
Copper	07/20/2010	SW846 6010	33.3
Lead	07/20/2010	SW846 6010	13.9
Mercury	07/22/2010	SW846 7471	0.0767 D
Nickel	07/20/2010	SW846 6010	24.4
Selenium	07/20/2010	SW846 6010	<0.450
Silver	07/20/2010	SW846 6010	<0.899
Thallium	07/20/2010	SW846 6010	<0.540
Zinc	07/20/2010	SW846 6010	77.4

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LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Lab Sample No.: 9625

Client Job Site: F&T Darrigo

Sample Type: Soil

Client Job No.: FN050130

Date Sampled: 07/15/2010

Field Location: PE-29

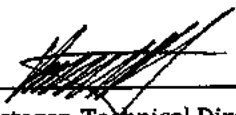
Date Received: 07/16/2010

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<4.99
Arsenic	07/20/2010	SW846 6010	6.51
Beryllium	07/20/2010	SW846 6010	0.514
Cadmium	07/20/2010	SW846 6010	<0.416
Chromium	07/20/2010	SW846 6010	15.8
Copper	07/20/2010	SW846 6010	26.5
Lead	07/20/2010	SW846 6010	9.74
Mercury	07/22/2010	SW846 7471	0.0355
Nickel	07/20/2010	SW846 6010	20.3
Selenium	07/20/2010	SW846 6010	<0.416
Silver	07/20/2010	SW846 6010	<0.831
Thallium	07/20/2010	SW846 6010	<0.499
Zinc	07/20/2010	SW846 6010	56.7

ELAP ID No.:10958

Comments:

Approved By: 

Bruce Hoogesteger, Technical Director

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Lab Sample No.: 9626

Client Job Site: F&T Darrigo

Sample Type: Soil

Client Job No.: FN050130

Date Sampled: 07/15/2010

Field Location: PE-30

Date Received: 07/16/2010

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<5.96
Arsenic	07/20/2010	SW846 6010	6.06
Beryllium	07/20/2010	SW846 6010	0.543
Cadmium	07/20/2010	SW846 6010	<0.496
Chromium	07/20/2010	SW846 6010	16.5
Copper	07/20/2010	SW846 6010	25.9
Lead	07/20/2010	SW846 6010	8.00
Mercury	07/22/2010	SW846 7471	0.0344
Nickel	07/20/2010	SW846 6010	21.6
Selenium	07/20/2010	SW846 6010	<0.496
Silver	07/20/2010	SW846 6010	<0.992
Thallium	07/20/2010	SW846 6010	<0.596
Zinc	07/20/2010	SW846 6010	59.6

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

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LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Field ID No.: N/A

ELAP ID No.:10958

Approved By:

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LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Lab Sample No.: 9628

Client Job Site: F&T Darrigo

Sample Type: Soil

Client Job No.: FN050130

Date Sampled: 07/15/2010

Date Received: 07/16/2010

Field Location: PE-32

Field ID No.: N/A

[illegible]

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director



LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Field ID No.: N/A

ELAP ID No.:10958

Approved By:

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ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Lab Sample No.: 9630

Client Job Site: F&T Darrigo

Sample Type: Soil

Client Job No.: FN050130

Date Sampled: 07/15/2010

Field Location: PE-34

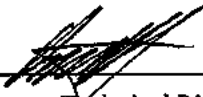
Date Received: 07/16/2010

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<5.71
Arsenic	07/20/2010	SW846 6010	7.36
Beryllium	07/20/2010	SW846 6010	0.546
Cadmium	07/20/2010	SW846 6010	<0.476
Chromium	07/20/2010	SW846 6010	16.5
Copper	07/20/2010	SW846 6010	26.8
Lead	07/20/2010	SW846 6010	9.71
Mercury	07/22/2010	SW846 7471	0.0379
Nickel	07/20/2010	SW846 6010	28.0
Selenium	07/20/2010	SW846 6010	<0.476
Silver	07/20/2010	SW846 6010	<0.951
Thallium	07/20/2010	SW846 6010	<0.571
Zinc	07/20/2010	SW846 6010	65.2

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

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179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-2918

Client Job Site: F&T Darrigo

Lab Sample No.: 9631

Client Job No.: FN050130

Sample Type: Soil

Field Location: PE-35

Date Sampled: 07/15/2010

Field ID No.: N/A

Date Received: 07/16/2010

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	07/20/2010	SW846 6010	<5.67 M
Arsenic	07/20/2010	SW846 6010	6.90 D,M
Beryllium	07/20/2010	SW846 6010	0.480 M
Cadmium	07/20/2010	SW846 6010	<0.473 M
Chromium	07/20/2010	SW846 6010	34.2 D,M
Copper	07/20/2010	SW846 6010	46.0 D,M
Lead	07/20/2010	SW846 6010	22.9 D
Mercury	07/22/2010	SW846 7471	0.150
Nickel	07/20/2010	SW846 6010	40.7 M
Selenium	07/20/2010	SW846 6010	<0.473 M
Silver	07/20/2010	SW846 6010	<0.945 M
Thallium	07/20/2010	SW846 6010	<0.567
Zinc	07/20/2010	SW846 6010	83.1 M

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

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File ID:102918.xls



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges**Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Client Job Number:** FN050130**Lab Sample Number:** 9608**Field Location:** PE - 12**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/20/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.330
Aroclor 1221	ND< 0.330
Aroclor 1232	ND< 0.330
Aroclor 1242	ND< 0.330
Aroclor 1248	ND< 0.330
Aroclor 1254	ND< 0.330
Aroclor 1260	ND< 0.330

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogestede, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9609

Client Job Number: FN050130

Field Location: PE - 13

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.316
Aroclor 1221	ND< 0.316
Aroclor 1232	ND< 0.316
Aroclor 1242	ND< 0.316
Aroclor 1248	ND< 0.316
Aroclor 1254	ND< 0.316
Aroclor 1260	ND< 0.316

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges**Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9610**Client Job Number:** FN050130**Field Location:** PE - 14**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/20/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.320
Aroclor 1221	ND< 0.320
Aroclor 1232	ND< 0.320
Aroclor 1242	ND< 0.320
Aroclor 1248	ND< 0.320
Aroclor 1254	ND< 0.320
Aroclor 1260	ND< 0.320

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9611

Client Job Number: FN050130

Field Location: PE - 15

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.342
Aroclor 1221	ND< 0.342
Aroclor 1232	ND< 0.342
Aroclor 1242	ND< 0.342
Aroclor 1248	ND< 0.342
Aroclor 1254	ND< 0.342
Aroclor 1260	ND< 0.342

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogestegen, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9612

Client Job Number: FN050130

Field Location: PE - 16

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.309
Aroclor 1221	ND< 0.309
Aroclor 1232	ND< 0.309
Aroclor 1242	ND< 0.309
Aroclor 1248	ND< 0.309
Aroclor 1254	ND< 0.309
Aroclor 1260	ND< 0.309

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges**Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9613**Client Job Number:** FN050130**Field Location:** PE - 17**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/20/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.314
Aroclor 1221	ND< 0.314
Aroclor 1232	ND< 0.314
Aroclor 1242	ND< 0.314
Aroclor 1248	ND< 0.314
Aroclor 1254	ND< 0.314
Aroclor 1260	ND< 0.314

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges**Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Client Job Number:** FN050130**Lab Sample Number:** 9614**Field Location:** PE - 18**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/20/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.359
Aroclor 1221	ND< 0.359
Aroclor 1232	ND< 0.359
Aroclor 1242	ND< 0.359
Aroclor 1248	ND< 0.359
Aroclor 1254	ND< 0.359
Aroclor 1260	ND< 0.359

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9615

Client Job Number: FN050130

Field Location: PE - 19

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

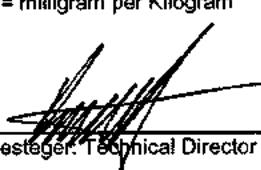
PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.311
Aroclor 1221	ND< 0.311
Aroclor 1232	ND< 0.311
Aroclor 1242	ND< 0.311
Aroclor 1248	ND< 0.311
Aroclor 1254	ND< 0.311
Aroclor 1260	ND< 0.311

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____


Bruce Hoogesteger, Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges**Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9616**Client Job Number:** FN050130**Field Location:** PE - 20**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/20/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.316
Aroclor 1221	ND< 0.316
Aroclor 1232	ND< 0.316
Aroclor 1242	ND< 0.316
Aroclor 1248	ND< 0.316
Aroclor 1254	ND< 0.316
Aroclor 1260	ND< 0.316

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

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102918P8.XLS

**PCB Analysis Report for Soils/Solids/Sludges**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9617

Client Job Number: FN050130

Field Location: PE - 21

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.366
Aroclor 1221	ND< 0.366
Aroclor 1232	ND< 0.366
Aroclor 1242	ND< 0.366
Aroclor 1248	ND< 0.366
Aroclor 1254	ND< 0.366
Aroclor 1260	ND< 0.366

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges**Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Client Job Number:** FN050130**Lab Sample Number:** 9618**Field Location:** PE - 22**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/20/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.317
Aroclor 1221	ND< 0.317
Aroclor 1232	ND< 0.317
Aroclor 1242	ND< 0.317
Aroclor 1248	ND< 0.317
Aroclor 1254	ND< 0.317
Aroclor 1260	ND< 0.317

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

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102918Q2.XLS



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges**Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9619**Client Job Number:** FN050130**Field Location:** PE - 23**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/20/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.320
Aroclor 1221	ND< 0.320
Aroclor 1232	ND< 0.320
Aroclor 1242	ND< 0.320
Aroclor 1248	ND< 0.320
Aroclor 1254	ND< 0.320
Aroclor 1260	ND< 0.320

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

102918Q3.XLS



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges**Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9620**Client Job Number:** FN050130**Field Location:** PE - 24**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/20/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.311
Aroclor 1221	ND< 0.311
Aroclor 1232	ND< 0.311
Aroclor 1242	ND< 0.311
Aroclor 1248	ND< 0.311
Aroclor 1254	ND< 0.311
Aroclor 1260	ND< 0.311

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

102918Q4.XLS

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9621

Client Job Number: FN050130

Field Location: PE - 25

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.301
Aroclor 1221	ND< 0.301
Aroclor 1232	ND< 0.301
Aroclor 1242	ND< 0.301
Aroclor 1248	ND< 0.301
Aroclor 1254	ND< 0.301
Aroclor 1260	ND< 0.301

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9622

Client Job Number: FN050130

Field Location: PE - 26

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.312
Aroclor 1221	ND< 0.312
Aroclor 1232	ND< 0.312
Aroclor 1242	ND< 0.312
Aroclor 1248	ND< 0.312
Aroclor 1254	ND< 0.312
Aroclor 1260	ND< 0.312

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

102918Q6.XLS

**PCB Analysis Report for Soils/Solids/Sludges****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9623**Client Job Number:** FN050130**Field Location:** PE - 27**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/20/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.314
Aroclor 1221	ND< 0.314
Aroclor 1232	ND< 0.314
Aroclor 1242	ND< 0.314
Aroclor 1248	ND< 0.314
Aroclor 1254	ND< 0.314
Aroclor 1260	ND< 0.314

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9624

Client Job Number: FN050130

Field Location: PE - 28

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.327
Aroclor 1221	ND< 0.327
Aroclor 1232	ND< 0.327
Aroclor 1242	ND< 0.327
Aroclor 1248	0.337
Aroclor 1254	ND< 0.327
Aroclor 1260	ND< 0.327

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____


Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/SludgesClient: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9625

Client Job Number: FN050130

Field Location: PE - 29

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.319
Aroclor 1221	ND< 0.319
Aroclor 1232	ND< 0.319
Aroclor 1242	ND< 0.319
Aroclor 1248	ND< 0.319
Aroclor 1254	ND< 0.319
Aroclor 1260	ND< 0.319

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**PCB Analysis Report for Soils/Solids/Sludges**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9626

Client Job Number: FN050130

Field Location: PE - 30

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.310
Aroclor 1221	ND< 0.310
Aroclor 1232	ND< 0.310
Aroclor 1242	ND< 0.310
Aroclor 1248	ND< 0.310
Aroclor 1254	ND< 0.310
Aroclor 1260	ND< 0.310

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/SludgesClient: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9627

Client Job Number: FN050130

Field Location: PE - 31

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.323
Aroclor 1221	ND< 0.323
Aroclor 1232	ND< 0.323
Aroclor 1242	ND< 0.323
Aroclor 1248	ND< 0.323
Aroclor 1254	ND< 0.323
Aroclor 1260	ND< 0.323

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: 

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

102918R3.XLS

**PCB Analysis Report for Soils/Solids/Sludges****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9628**Client Job Number:** FN050130**Field Location:** PE - 32**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/21/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.309
Aroclor 1221	ND< 0.309
Aroclor 1232	ND< 0.309
Aroclor 1242	ND< 0.309
Aroclor 1248	ND< 0.309
Aroclor 1254	ND< 0.309
Aroclor 1260	ND< 0.309

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/SludgesClient: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9629

Client Job Number: FN050130

Field Location: PE - 33

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.333
Aroclor 1221	ND< 0.333
Aroclor 1232	ND< 0.333
Aroclor 1242	ND< 0.333
Aroclor 1248	ND< 0.333
Aroclor 1254	ND< 0.333
Aroclor 1260	ND< 0.333

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: 

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

102918R5.XLS

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9630

Client Job Number: FN050130

Field Location: PE - 34

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.313
Aroclor 1221	ND< 0.313
Aroclor 1232	ND< 0.313
Aroclor 1242	ND< 0.313
Aroclor 1248	ND< 0.313
Aroclor 1254	ND< 0.313
Aroclor 1260	ND< 0.313

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____


Bruce Hoogesteger, Technical Director

**PCB Analysis Report for Soils/Solids/Sludges****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9631**Client Job Number:** FN050130**Field Location:** PE - 35**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/21/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.317
Aroclor 1221	ND< 0.317
Aroclor 1232	ND< 0.317
Aroclor 1242	ND< 0.317
Aroclor 1248	ND< 0.317
Aroclor 1254	ND< 0.317
Aroclor 1260	ND< 0.317

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect

mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9608

Client Job Number: FN050130

Field Location: PE - 12

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.15
alpha-BHC	ND< 3.15
beta-BHC	ND< 3.15
delta-BHC	ND< 3.15
gamma-BHC	ND< 3.15
alpha-Chlordane	ND< 3.15
gamma-Chlordane	ND< 3.15
4,4'-DDD	ND< 3.15
4,4'-DDE	ND< 3.15
4,4'-DDT	ND< 3.15
Dieldrin	ND< 3.15
Endosulfan I	ND< 3.15
Endosulfan II	ND< 3.15
Endosulfan Sulfate	ND< 3.15
Endrin	ND< 3.15
Endrin Aldehyde	ND< 3.15
Endrin Ketone	ND< 3.15
Heptachlor	ND< 3.15
Heptachlor Epoxide	ND< 3.15
Methoxychlor	ND< 3.15
Toxaphene	ND< 158

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogsteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9609

Client Job Number: FN050130

Field Location: PE - 13

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.06
alpha-BHC	ND< 3.06
beta-BHC	ND< 3.06
delta-BHC	ND< 3.06
gamma-BHC	ND< 3.06
alpha-Chlordane	ND< 3.06
gamma-Chlordane	ND< 3.06
4,4'-DDD	ND< 3.06
4,4'-DDE	ND< 3.06
4,4'-DDT	ND< 3.06
Dieldrin	ND< 3.06
Endosulfan I	ND< 3.06
Endosulfan II	ND< 3.06
Endosulfan Sulfate	ND< 3.06
Endrin	ND< 3.06
Endrin Aldehyde	ND< 3.06
Endrin Ketone	ND< 3.06
Heptachlor	ND< 3.06
Heptachlor Epoxide	ND< 3.06
Methoxychlor	ND< 3.06
Toxaphene	ND< 153

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9610

Client Job Number: FN050130

Field Location: PE - 14

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.08
alpha-BHC	ND< 3.08
beta-BHC	ND< 3.08
delta-BHC	ND< 3.08
gamma-BHC	ND< 3.08
alpha-Chlordane	6.44*
gamma-Chlordane	4.10
4,4'-DDD	6.60
4,4'-DDE	ND< 3.08
4,4'-DDT	6.03
Dieldrin	3.41
Endosulfan I	ND< 3.08
Endosulfan II	ND< 3.08
Endosulfan Sulfate	ND< 3.08
Endrin	ND< 3.08
Endrin Aldehyde	ND< 3.08
Endrin Ketone	ND< 3.08
Heptachlor	ND< 3.08
Heptachlor Epoxide	ND< 3.08
Methoxychlor	5.01*
Toxaphene	ND< 154

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Matrix spike outliers indicate probable matrix interference

* = Concentration differs by more than 40% between primary and secondary columns

Signature: _____

Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9611

Client Job Number: FN050130

Field Location: PE - 15

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.32
alpha-BHC	ND< 3.32
beta-BHC	ND< 3.32
delta-BHC	ND< 3.32
gamma-BHC	ND< 3.32
alpha-Chlordane	8.68*
gamma-Chlordane	5.63
4,4'-DDD	8.97*
4,4'-DDE	4.30
4,4'-DDT	8.73
Dieldrin	6.06
Endosulfan I	ND< 3.32
Endosulfan II	ND< 3.32
Endosulfan Sulfate	ND< 3.32
Endrin	ND< 3.32
Endrin Aldehyde	ND< 3.32
Endrin Ketone	ND< 3.32
Heptachlor	ND< 3.32
Heptachlor Epoxide	ND< 3.32
Methoxychlor	ND< 3.32
Toxaphene	ND< 166

ELAP Number 10958

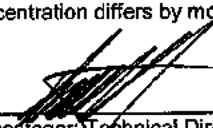
Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

* = Concentration differs by more than 40% between primary and secondary columns

Signature:


Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges**Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9612**Client Job Number:** FN050130**Field Location:** PE - 16**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 2.99
alpha-BHC	ND< 2.99
beta-BHC	ND< 2.99
delta-BHC	ND< 2.99
gamma-BHC	ND< 2.99
alpha-Chlordane	ND< 2.99
gamma-Chlordane	ND< 2.99
4,4'-DDD	ND< 2.99
4,4'-DDE	ND< 2.99
4,4'-DDT	ND< 2.99
Dieldrin	ND< 2.99
Endosulfan I	ND< 2.99
Endosulfan II	ND< 2.99
Endosulfan Sulfate	ND< 2.99
Endrin	ND< 2.99
Endrin Aldehyde	ND< 2.99
Endrin Ketone	ND< 2.99
Heptachlor	ND< 2.99
Heptachlor Epoxide	ND< 2.99
Methoxychlor	ND< 2.99
Toxaphene	ND< 150

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger, Technical Director

**Pesticide Analysis Report for Soils/Solids/Sludges****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9613**Client Job Number:** FN050130**Field Location:** PE - 17**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.01
alpha-BHC	ND< 3.01
beta-BHC	ND< 3.01
delta-BHC	ND< 3.01
gamma-BHC	ND< 3.01
alpha-Chlordane	ND< 3.01
gamma-Chlordane	ND< 3.01
4,4'-DDD	ND< 3.01
4,4'-DDE	ND< 3.01
4,4'-DDT	ND< 3.01
Dieldrin	ND< 3.01
Endosulfan I	ND< 3.01
Endosulfan II	ND< 3.01
Endosulfan Sulfate	ND< 3.01
Endrin	ND< 3.01
Endrin Aldehyde	ND< 3.01
Endrin Ketone	ND< 3.01
Heptachlor	ND< 3.01
Heptachlor Epoxide	ND< 3.01
Methoxychlor	ND< 3.01
Toxaphene	ND< 151

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:
Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/SludgesClient: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Client Job Number: FN050130

Lab Sample Number: 9614

Field Location: PE - 18

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.46
alpha-BHC	ND< 3.46
beta-BHC	ND< 3.46
delta-BHC	ND< 3.46
gamma-BHC	ND< 3.46
alpha-Chlordane	ND< 3.46
gamma-Chlordane	ND< 3.46
4,4'-DDD	ND< 3.46
4,4'-DDE	ND< 3.46
4,4'-DDT	ND< 3.46
Dieldrin	ND< 3.46
Endosulfan I	ND< 3.46
Endosulfan II	ND< 3.46
Endosulfan Sulfate	ND< 3.46
Endrin	ND< 3.46
Endrin Aldehyde	ND< 3.46
Endrin Ketone	ND< 3.46
Heptachlor	ND< 3.46
Heptachlor Epoxide	ND< 3.46
Methoxychlor	ND< 3.46
Toxaphene	ND< 173

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/SludgesClient: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Client Job Number: FN050130

Lab Sample Number: 9615

Field Location: PE - 19

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.05
alpha-BHC	ND< 3.05
beta-BHC	ND< 3.05
delta-BHC	ND< 3.05
gamma-BHC	ND< 3.05
alpha-Chlordane	ND< 3.05
gamma-Chlordane	ND< 3.05
4,4'-DDD	ND< 3.05
4,4'-DDE	ND< 3.05
4,4'-DDT	4.76
Dieldrin	3.69
Endosulfan I	ND< 3.05
Endosulfan II	ND< 3.05
Endosulfan Sulfate	ND< 3.05
Endrin	ND< 3.05
Endrin Aldehyde	ND< 3.05
Endrin Ketone	ND< 3.05
Heptachlor	ND< 3.05
Heptachlor Epoxide	ND< 3.05
Methoxychlor	ND< 3.05
Toxaphene	ND< 153

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**Pesticide Analysis Report for Soils/Solids/Sludges****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9616**Client Job Number:** FN050130**Field Location:** PE - 20**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.04
alpha-BHC	ND< 3.04
beta-BHC	ND< 3.04
delta-BHC	ND< 3.04
gamma-BHC	ND< 3.04
alpha-Chlordane	ND< 3.04
gamma-Chlordane	ND< 3.04
4,4'-DDD	ND< 3.04
4,4'-DDE	5.94
4,4'-DDT	7.95
Dieldrin	5.73
Endosulfan I	ND< 3.04
Endosulfan II	ND< 3.04
Endosulfan Sulfate	ND< 3.04
Endrin	ND< 3.04
Endrin Aldehyde	ND< 3.04
Endrin Ketone	ND< 3.04
Heptachlor	ND< 3.04
Heptachlor Epoxide	ND< 3.04
Methoxychlor	ND< 3.04
Toxaphene	ND< 152

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:
Bruce Hoogesteger, Technical Director

**Pesticide Analysis Report for Soils/Solids/Sludges****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9617**Client Job Number:** FN050130**Field Location:** PE - 21**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.53
alpha-BHC	ND< 3.53
beta-BHC	ND< 3.53
delta-BHC	ND< 3.53
gamma-BHC	ND< 3.53
alpha-Chlordane	23.8*
gamma-Chlordane	16.3
4,4'-DDD	ND< 3.53
4,4'-DDE	5.42
4,4'-DDT	6.76
Dieldrin	6.25
Endosulfan I	ND< 3.53
Endosulfan II	ND< 3.53
Endosulfan Sulfate	ND< 3.53
Endrin	ND< 3.53
Endrin Aldehyde	ND< 3.53
Endrin Ketone	ND< 3.53
Heptachlor	ND< 3.53
Heptachlor Epoxide	4.84
Methoxychlor	ND< 3.53
Toxaphene	ND< 176

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

* = Concentration differs by more than 40% between primary and secondary columns

Signature: _____

Bruce Hoogesteger, Technical Director

**Pesticide Analysis Report for Soils/Solids/Sludges****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9618**Client Job Number:** FN050130**Field Location:** PE - 22**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.04
alpha-BHC	ND< 3.04
beta-BHC	ND< 3.04
delta-BHC	ND< 3.04
gamma-BHC	ND< 3.04
alpha-Chlordane	ND< 3.04
gamma-Chlordane	ND< 3.04
4,4'-DDD	ND< 3.04
4,4'-DDE	ND< 3.04
4,4'-DDT	ND< 3.04
Dieldrin	ND< 3.04
Endosulfan I	ND< 3.04
Endosulfan II	ND< 3.04
Endosulfan Sulfate	ND< 3.04
Endrin	ND< 3.04
Endrin Aldehyde	ND< 3.04
Endrin Ketone	ND< 3.04
Heptachlor	ND< 3.04
Heptachlor Epoxide	ND< 3.04
Methoxychlor	ND< 3.04
Toxaphene	ND< 152

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**Pesticide Analysis Report for Soils/Solids/Sludges****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9619**Client Job Number:** FN050130**Field Location:** PE - 23**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.08
alpha-BHC	ND< 3.08
beta-BHC	ND< 3.08
delta-BHC	ND< 3.08
gamma-BHC	ND< 3.08
alpha-Chlordane	ND< 3.08
gamma-Chlordane	ND< 3.08
4,4'-DDD	ND< 3.08
4,4'-DDE	ND< 3.08
4,4'-DDT	3.12
Dieldrin	ND< 3.08
Endosulfan I	ND< 3.08
Endosulfan II	ND< 3.08
Endosulfan Sulfate	ND< 3.08
Endrin	ND< 3.08
Endrin Aldehyde	ND< 3.08
Endrin Ketone	ND< 3.08
Heptachlor	ND< 3.08
Heptachlor Epoxide	ND< 3.08
Methoxychlor	ND< 3.08
Toxaphene	ND< 154

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogseeger, Technical Director

**Pesticide Analysis Report for Soils/Solids/Sludges**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9620

Client Job Number: FN050130

Field Location: PE - 24

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 2.94
alpha-BHC	ND< 2.94
beta-BHC	ND< 2.94
delta-BHC	ND< 2.94
gamma-BHC	ND< 2.94
alpha-Chlordane	ND< 2.94
gamma-Chlordane	ND< 2.94
4,4'-DDD	ND< 2.94
4,4'-DDE	ND< 2.94
4,4'-DDT	3.07
Dieldrin	ND< 2.94
Endosulfan I	ND< 2.94
Endosulfan II	ND< 2.94
Endosulfan Sulfate	ND< 2.94
Endrin	ND< 2.94
Endrin Aldehyde	ND< 2.94
Endrin Ketone	ND< 2.94
Heptachlor	ND< 2.94
Heptachlor Epoxide	ND< 2.94
Methoxychlor	ND< 2.94
Toxaphene	ND< 147

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**Pesticide Analysis Report for Soils/Solids/Sludges****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9621**Client Job Number:** FN050130**Field Location:** PE - 25**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 2.93
alpha-BHC	ND< 2.93
beta-BHC	ND< 2.93
delta-BHC	ND< 2.93
gamma-BHC	ND< 2.93
alpha-Chlordane	ND< 2.93
gamma-Chlordane	ND< 2.93
4,4'-DDD	ND< 2.93
4,4'-DDE	ND< 2.93
4,4'-DDT	ND< 2.93
Dieldrin	ND< 2.93
Endosulfan I	ND< 2.93
Endosulfan II	ND< 2.93
Endosulfan Sulfate	ND< 2.93
Endrin	ND< 2.93
Endrin Aldehyde	ND< 2.93
Endrin Ketone	ND< 2.93
Heptachlor	ND< 2.93
Heptachlor Epoxide	ND< 2.93
Methoxychlor	ND< 2.93
Toxaphene	ND< 147

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**Pesticide Analysis Report for Soils/Solids/Sludges****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9622**Client Job Number:** FN050130**Field Location:** PE - 26**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 2.99
alpha-BHC	ND< 2.99
beta-BHC	ND< 2.99
delta-BHC	ND< 2.99
gamma-BHC	ND< 2.99
alpha-Chlordane	ND< 2.99
gamma-Chlordane	ND< 2.99
4,4'-DDD	ND< 2.99
4,4'-DDE	ND< 2.99
4,4'-DDT	ND< 2.99
Dieldrin	ND< 2.99
Endosulfan I	ND< 2.99
Endosulfan II	ND< 2.99
Endosulfan Sulfate	ND< 2.99
Endrin	ND< 2.99
Endrin Aldehyde	ND< 2.99
Endrin Ketone	ND< 2.99
Heptachlor	ND< 2.99
Heptachlor Epoxide	ND< 2.99
Methoxychlor	ND< 2.99
Toxaphene	ND< 150

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**Pesticide Analysis Report for Soils/Solids/Sludges****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9623**Client Job Number:** FN050130**Field Location:** PE - 27**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 2.99
alpha-BHC	ND< 2.99
beta-BHC	ND< 2.99
delta-BHC	5.57
gamma-BHC	ND< 2.99
alpha-Chlordane	ND< 2.99
gamma-Chlordane	ND< 2.99
4,4'-DDD	ND< 2.99
4,4'-DDE	ND< 2.99
4,4'-DDT	ND< 2.99
Dieldrin	ND< 2.99
Endosulfan I	ND< 2.99
Endosulfan II	ND< 2.99
Endosulfan Sulfate	ND< 2.99
Endrin	ND< 2.99
Endrin Aldehyde	ND< 2.99
Endrin Ketone	ND< 2.99
Heptachlor	ND< 2.99
Heptachlor Epoxide	4.92
Methoxychlor	ND< 2.99
Toxaphene	ND< 149

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Soils/Solids/SludgesClient: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9624

Client Job Number: FN050130

Field Location: PE - 28

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.17
alpha-BHC	ND< 3.17
beta-BHC	ND< 3.17
delta-BHC	6.62
gamma-BHC	ND< 3.17
alpha-Chlordane	ND< 3.17
gamma-Chlordane	ND< 3.17
4,4'-DDD	ND< 3.17
4,4'-DDE	ND< 3.17
4,4'-DDT	ND< 3.17
Dieldrin	ND< 3.17
Endosulfan I	ND< 3.17
Endosulfan II	ND< 3.17
Endosulfan Sulfate	ND< 3.17
Endrin	ND< 3.17
Endrin Aldehyde	ND< 3.17
Endrin Ketone	ND< 3.17
Heptachlor	ND< 3.17
Heptachlor Epoxide	6.53
Methoxychlor	ND< 3.17
Toxaphene	ND< 158

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

102918D8.XLS

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9625

Client Job Number: FN050130

Field Location: PE - 29

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.03
alpha-BHC	ND< 3.03
beta-BHC	ND< 3.03
delta-BHC	ND< 3.03
gamma-BHC	ND< 3.03
alpha-Chlordane	ND< 3.03
gamma-Chlordane	ND< 3.03
4,4'-DDD	ND< 3.03
4,4'-DDE	ND< 3.03
4,4'-DDT	ND< 3.03
Dieldrin	ND< 3.03
Endosulfan I	ND< 3.03
Endosulfan II	ND< 3.03
Endosulfan Sulfate	ND< 3.03
Endrin	ND< 3.03
Endrin Aldehyde	ND< 3.03
Endrin Ketone	ND< 3.03
Heptachlor	ND< 3.03
Heptachlor Epoxide	ND< 3.03
Methoxychlor	ND< 3.03
Toxaphene	ND< 151

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect
 ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9626

Client Job Number: FN050130

Field Location: PE - 30

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.05
alpha-BHC	ND< 3.05
beta-BHC	ND< 3.05
delta-BHC	ND< 3.05
gamma-BHC	ND< 3.05
alpha-Chlordane	ND< 3.05
gamma-Chlordane	ND< 3.05
4,4'-DDD	ND< 3.05
4,4'-DDE	ND< 3.05
4,4'-DDT	ND< 3.05
Dieldrin	ND< 3.05
Endosulfan I	ND< 3.05
Endosulfan II	ND< 3.05
Endosulfan Sulfate	ND< 3.05
Endrin	ND< 3.05
Endrin Aldehyde	ND< 3.05
Endrin Ketone	ND< 3.05
Heptachlor	ND< 3.05
Heptachlor Epoxide	ND< 3.05
Methoxychlor	ND< 3.05
Toxaphene	ND< 153

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9627

Client Job Number: FN050130

Field Location: PE - 31

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.08
alpha-BHC	ND< 3.08
beta-BHC	ND< 3.08
delta-BHC	ND< 3.08
gamma-BHC	ND< 3.08
alpha-Chlordane	ND< 3.08
gamma-Chlordane	ND< 3.08
4,4'-DDD	ND< 3.08
4,4'-DDE	ND< 3.08
4,4'-DDT	ND< 3.08
Dieldrin	ND< 3.08
Endosulfan I	ND< 3.08
Endosulfan II	ND< 3.08
Endosulfan Sulfate	ND< 3.08
Endrin	ND< 3.08
Endrin Aldehyde	ND< 3.08
Endrin Ketone	ND< 3.08
Heptachlor	ND< 3.08
Heptachlor Epoxide	ND< 3.08
Methoxychlor	ND< 3.08
Toxaphene	ND< 154

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9628

Client Job Number: FN050130

Field Location: PE - 32

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.00
alpha-BHC	ND< 3.00
beta-BHC	ND< 3.00
delta-BHC	ND< 3.00
gamma-BHC	ND< 3.00
alpha-Chlordane	ND< 3.00
gamma-Chlordane	ND< 3.00
4,4'-DDD	ND< 3.00
4,4'-DDE	ND< 3.00
4,4'-DDT	ND< 3.00
Dieldrin	ND< 3.00
Endosulfan I	ND< 3.00
Endosulfan II	ND< 3.00
Endosulfan Sulfate	ND< 3.00
Endrin	ND< 3.00
Endrin Aldehyde	ND< 3.00
Endrin Ketone	ND< 3.00
Heptachlor	ND< 3.00
Heptachlor Epoxide	ND< 3.00
Methoxychlor	ND< 3.00
Toxaphene	ND< 150

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Soils/Solids/SludgesClient: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9629

Client Job Number: FN050130

Field Location: PE - 33

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.19
alpha-BHC	ND< 3.19
beta-BHC	ND< 3.19
delta-BHC	ND< 3.19
gamma-BHC	ND< 3.19
alpha-Chlordane	ND< 3.19
gamma-Chlordane	ND< 3.19
4,4'-DDD	ND< 3.19
4,4'-DDE	ND< 3.19
4,4'-DDT	ND< 3.19
Dieldrin	ND< 3.19
Endosulfan I	ND< 3.19
Endosulfan II	ND< 3.19
Endosulfan Sulfate	ND< 3.19
Endrin	ND< 3.19
Endrin Aldehyde	ND< 3.19
Endrin Ketone	ND< 3.19
Heptachlor	ND< 3.19
Heptachlor Epoxide	ND< 3.19
Methoxychlor	ND< 3.19
Toxaphene	ND< 160

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

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102918E4.XLS



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Pesticide Analysis Report for Soils/Solids/Sludges**Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9630**Client Job Number:** FN050130**Field Location:** PE - 34**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.03
alpha-BHC	ND< 3.03
beta-BHC	ND< 3.03
delta-BHC	ND< 3.03
gamma-BHC	ND< 3.03
alpha-Chlordane	ND< 3.03
gamma-Chlordane	ND< 3.03
4,4'-DDD	ND< 3.03
4,4'-DDE	ND< 3.03
4,4'-DDT	ND< 3.03
Dieldrin	ND< 3.03
Endosulfan I	ND< 3.03
Endosulfan II	ND< 3.03
Endosulfan Sulfate	ND< 3.03
Endrin	ND< 3.03
Endrin Aldehyde	ND< 3.03
Endrin Ketone	ND< 3.03
Heptachlor	ND< 3.03
Heptachlor Epoxide	ND< 3.03
Methoxychlor	ND< 3.03
Toxaphene	ND< 152

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

102918E5.XLS

**Pesticide Analysis Report for Soils/Solids/Sludges****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9631**Client Job Number:** FN050130**Field Location:** PE - 35**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/22/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.06
alpha-BHC	ND< 3.06
beta-BHC	ND< 3.06
delta-BHC	4.89
gamma-BHC	ND< 3.06
alpha-Chlordane	ND< 3.06
gamma-Chlordane	ND< 3.06
4,4'-DDD	ND< 3.06
4,4'-DDE	ND< 3.06
4,4'-DDT	3.28
Dieldrin	ND< 3.06
Endosulfan I	ND< 3.06
Endosulfan II	ND< 3.06
Endosulfan Sulfate	ND< 3.06
Endrin	ND< 3.06
Endrin Aldehyde	ND< 3.06
Endrin Ketone	ND< 3.06
Heptachlor	ND< 3.06
Heptachlor Epoxide	4.33
Methoxychlor	ND< 3.06
Toxaphene	ND< 153

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9608

Client Job Number: FN050130

Field Location: PE - 12

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/19/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 319	Dibenz (a,h) anthracene	ND< 319
Anthracene	ND< 319	Fluoranthene	ND< 319
Benzo (a) anthracene	ND< 319	Fluorene	ND< 319
Benzo (a) pyrene	ND< 319	Indeno (1,2,3-cd) pyrene	ND< 319
Benzo (b) fluoranthene	ND< 319	Naphthalene	ND< 319
Benzo (g,h,i) perylene	ND< 319	Phenanthrene	ND< 319
Benzo (k) fluoranthene	ND< 319	Pyrene	ND< 319
Chrysene	ND< 319	Acenaphthylene	ND< 319
Diethyl phthalate	ND< 319	1,2-Dichlorobenzene	ND< 319
Dimethyl phthalate	ND< 797	1,3-Dichlorobenzene	ND< 319
Butylbenzylphthalate	ND< 319	1,4-Dichlorobenzene	ND< 319
Di-n-butyl phthalate	ND< 319	1,2,4-Trichlorobenzene	ND< 319
Di-n-octylphthalate	ND< 319	Nitrobenzene	ND< 319
Bis (2-ethylhexyl) phthalate	ND< 319	2,4-Dinitrotoluene	ND< 319
2-Chloronaphthalene	ND< 319	2,6-Dinitrotoluene	ND< 319
Hexachlorobenzene	ND< 319	Bis (2-chloroethyl) ether	ND< 319
Hexachloroethane	ND< 319	Bis (2-chloroisopropyl) ether	ND< 319
Hexachlorocyclopentadiene	ND< 319	Bis (2-chloroethoxy) methan	ND< 319
Hexachlorobutadiene	ND< 319	4-Bromophenyl phenyl ether	ND< 319
N-Nitroso-di-n-propylamine	ND< 319	4-Chlorophenyl phenyl ether	ND< 319
N-Nitrosodiphenylamine	ND< 319	Benzidine	ND< 797
N-Nitrosodimethylamine	ND< 319	3,3'-Dichlorobenzidine	ND< 319
Isophorone	ND< 319	4-Chloroaniline	ND< 319
Benzyl alcohol	ND< 797	2-Nitroaniline	ND< 797
Dibenzofuran	ND< 319	3-Nitroaniline	ND< 797
2-Methylnaphthalene	ND< 319	4-Nitroaniline	ND< 797

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 319	2-Methylphenol	ND< 319
2-Chlorophenol	ND< 319	3&4-Methylphenol	ND< 319
2,4-Dichlorophenol	ND< 319	2,4-Dimethylphenol	ND< 319
2,6-Dichlorophenol	ND< 319	2-Nitrophenol	ND< 319
2,4,5-Trichlorophenol	ND< 797	4-Nitrophenol	ND< 797
2,4,6-Trichlorophenol	ND< 319	2,4-Dinitrophenol	ND< 797
Pentachlorophenol	ND< 797	4,6-Dinitro-2-methylphenol	ND< 797
4-Chloro-3-methylphenol	ND< 319	Benzoic acid	ND< 797

ELAP Number 10958

Method: EPA 8270C

Data File: S51993.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature:


 Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Solis/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9609

Client Job Number: FN050130

Field Location: PE - 13

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/19/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 307	Dibenz (a,h) anthracene	ND< 307
Anthracene	ND< 307	Fluoranthene	ND< 307
Benzo (a) anthracene	ND< 307	Fluorene	ND< 307
Benzo (a) pyrene	ND< 307	Indeno (1,2,3-cd) pyrene	ND< 307
Benzo (b) fluoranthene	ND< 307	Naphthalene	ND< 307
Benzo (g,h,i) perylene	ND< 307	Phenanthrene	ND< 307
Benzo (k) fluoranthene	ND< 307	Pyrene	ND< 307
Chrysene	ND< 307	Acenaphthylene	ND< 307
Diethyl phthalate	ND< 307	1,2-Dichlorobenzene	ND< 307
Dimethyl phthalate	ND< 767	1,3-Dichlorobenzene	ND< 307
Butylbenzylphthalate	ND< 307	1,4-Dichlorobenzene	ND< 307
Di-n-butyl phthalate	ND< 307	1,2,4-Trichlorobenzene	ND< 307
Di-n-octylphthalate	ND< 307	Nitrobenzene	ND< 307
Bis (2-ethylhexyl) phthalate	ND< 307	2,4-Dinitrotoluene	ND< 307
2-Chloronaphthalene	ND< 307	2,6-Dinitrotoluene	ND< 307
Hexachlorobenzene	ND< 307	Bis (2-chloroethyl) ether	ND< 307
Hexachloroethane	ND< 307	Bis (2-chloroisopropyl) ether	ND< 307
Hexachlorocyclopentadiene	ND< 307	Bis (2-chloroethoxy) methan	ND< 307
Hexachlorobutadiene	ND< 307	4-Bromophenyl phenyl ether	ND< 307
N-Nitroso-di-n-propylamine	ND< 307	4-Chlorophenyl phenyl ether	ND< 307
N-Nitrosodiphenylamine	ND< 307	Benzidine	ND< 767
N-Nitrosodimethylamine	ND< 307	3,3'-Dichlorobenzidine	ND< 307
Isophorone	ND< 307	4-Chloroaniline	ND< 307
Benzyl alcohol	ND< 767	2-Nitroaniline	ND< 767
Dibenzofuran	ND< 307	3-Nitroaniline	ND< 767
2-Methylnaphthalene	ND< 307	4-Nitroaniline	ND< 767

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 307	2-Methylphenol	ND< 307
2-Chlorophenol	ND< 307	3&4-Methylphenol	ND< 307
2,4-Dichlorophenol	ND< 307	2,4-Dimethylphenol	ND< 307
2,6-Dichlorophenol	ND< 307	2-Nitrophenol	ND< 307
2,4,5-Trichlorophenol	ND< 767	4-Nitrophenol	ND< 767
2,4,6-Trichlorophenol	ND< 307	2,4-Dinitrophenol	ND< 767
Pentachlorophenol	ND< 767	4,6-Dinitro-2-methylphenol	ND< 767
4-Chloro-3-methylphenol	ND< 307	Benzoic acid	ND< 767

ELAP Number 10958

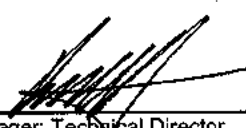
Method: EPA 8270C

Data File: S51994.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature:


Bruce Hoogsteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9610

Client Job Number: FN050130

Field Location: PE - 14

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/19/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 307	Dibenz (a,h) anthracene	ND< 307
Anthracene	ND< 307	Fluoranthene	ND< 307
Benzo (a) anthracene	ND< 307	Fluorene	ND< 307
Benzo (a) pyrene	ND< 307	Indeno (1,2,3-cd) pyrene	ND< 307
Benzo (b) fluoranthene	ND< 307	Naphthalene	ND< 307
Benzo (g,h,i) perylene	ND< 307	Phenanthrene	ND< 307
Benzo (k) fluoranthene	ND< 307	Pyrene	ND< 307
Chrysene	ND< 307	Acenaphthylene	ND< 307
Diethyl phthalate	ND< 307	1,2-Dichlorobenzene	ND< 307
Dimethyl phthalate	ND< 766	1,3-Dichlorobenzene	ND< 307
Butylbenzylphthalate	ND< 307	1,4-Dichlorobenzene	ND< 307
Di-n-butyl phthalate	ND< 307	1,2,4-Trichlorobenzene	ND< 307
Di-n-octylphthalate	ND< 307	Nitrobenzene	ND< 307
Bis (2-ethylhexyl) phthalate	ND< 307	2,4-Dinitrotoluene	ND< 307
2-Chloronaphthalene	ND< 307	2,6-Dinitrotoluene	ND< 307
Hexachlorobenzene	ND< 307	Bis (2-chloroethyl) ether	ND< 307
Hexachloroethane	ND< 307	Bis (2-chloroisopropyl) ether	ND< 307
Hexachlorocyclopentadiene	ND< 307	Bis (2-chloroethoxy) methan	ND< 307
Hexachlorobutadiene	ND< 307	4-Bromophenyl phenyl ether	ND< 307
N-Nitroso-di-n-propylamine	ND< 307	4-Chlorophenyl phenyl ether	ND< 307
N-Nitrosodiphenylamine	ND< 307	Benzidine	ND< 766
N-Nitrosodimethylamine	ND< 307	3,3'-Dichlorobenzidine	ND< 307
Isophorone	ND< 307	4-Chloroaniline	ND< 307
Benzyl alcohol	ND< 766	2-Nitroaniline	ND< 766
Dibenzofuran	ND< 307	3-Nitroaniline	ND< 766
2-Methylnaphthalene	ND< 307	4-Nitroaniline	ND< 766

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 307	2-Methylphenol	ND< 307
2-Chlorophenol	ND< 307	3&4-Methylphenol	ND< 307
2,4-Dichlorophenol	ND< 307	2,4-Dimethylphenol	ND< 307
2,6-Dichlorophenol	ND< 307	2-Nitrophenol	ND< 307
2,4,5-Trichlorophenol	ND< 766	4-Nitrophenol	ND< 766
2,4,6-Trichlorophenol	ND< 307	2,4-Dinitrophenol	ND< 766
Pentachlorophenol	ND< 766	4,6-Dinitro-2-methylphenol	ND< 766
4-Chloro-3-methylphenol	ND< 307	Benzoic acid	ND< 766

ELAP Number 10958

Method: EPA 8270C

Data File: S51995.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9611

Client Job Number: FN050130

Field Location: PE - 15

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/19/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 331	Dibenz (a,h) anthracene	ND< 331
Anthracene	ND< 331	Fluoranthene	ND< 331
Benzo (a) anthracene	ND< 331	Fluorene	ND< 331
Benzo (a) pyrene	ND< 331	Indeno (1,2,3-cd) pyrene	ND< 331
Benzo (b) fluoranthene	ND< 331	Naphthalene	ND< 331
Benzo (g,h,i) perylene	ND< 331	Phenanthrene	ND< 331
Benzo (k) fluoranthene	ND< 331	Pyrene	ND< 331
Chrysene	ND< 331	Acenaphthylene	ND< 331
Diethyl phthalate	ND< 331	1,2-Dichlorobenzene	ND< 331
Dimethyl phthalate	ND< 828	1,3-Dichlorobenzene	ND< 331
Butylbenzylphthalate	ND< 331	1,4-Dichlorobenzene	ND< 331
Di-n-butyl phthalate	ND< 331	1,2,4-Trichlorobenzene	ND< 331
Di-n-octylphthalate	ND< 331	Nitrobenzene	ND< 331
Bis (2-ethylhexyl) phthalate	ND< 331	2,4-Dinitrotoluene	ND< 331
2-Chloronaphthalene	ND< 331	2,6-Dinitrotoluene	ND< 331
Hexachlorobenzene	ND< 331	Bis (2-chloroethyl) ether	ND< 331
Hexachloroethane	ND< 331	Bis (2-chloroisopropyl) ether	ND< 331
Hexachlorocyclopentadiene	ND< 331	Bis (2-chloroethoxy) methan	ND< 331
Hexachlorobutadiene	ND< 331	4-Bromophenyl phenyl ether	ND< 331
N-Nitroso-di-n-propylamine	ND< 331	4-Chlorophenyl phenyl ether	ND< 331
N-Nitrosodiphenylamine	ND< 331	Benzidine	ND< 828
N-Nitrosodimethylamine	ND< 331	3,3'-Dichlorobenzidine	ND< 331
Isophorone	ND< 331	4-Chloroaniline	ND< 331
Benzyl alcohol	ND< 828	2-Nitroaniline	ND< 828
Dibenzofuran	ND< 331	3-Nitroaniline	ND< 828
2-Methylnaphthalene	ND< 331	4-Nitroaniline	ND< 828

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 331	2-Methylphenol	ND< 331
2-Chlorophenol	ND< 331	3&4-Methylphenol	ND< 331
2,4-Dichlorophenol	ND< 331	2,4-Dimethylphenol	ND< 331
2,6-Dichlorophenol	ND< 331	2-Nitrophenol	ND< 331
2,4,5-Trichlorophenol	ND< 828	4-Nitrophenol	ND< 828
2,4,6-Trichlorophenol	ND< 331	2,4-Dinitrophenol	ND< 828
Pentachlorophenol	ND< 828	4,6-Dinitro-2-methylphenol	ND< 828
4-Chloro-3-methylphenol	ND< 331	Benzoic acid	ND< 828

ELAP Number 10958

Method: EPA 8270C

Data File: S51996.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9612

Client Job Number: FN050130

Field Location: PE - 16

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/19/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 300	Dibenz (a,h) anthracene	ND< 300
Anthracene	ND< 300	Fluoranthene	ND< 300
Benzo (a) anthracene	ND< 300	Fluorene	ND< 300
Benzo (a) pyrene	ND< 300	Indeno (1,2,3-cd) pyrene	ND< 300
Benzo (b) fluoranthene	ND< 300	Naphthalene	ND< 300
Benzo (g,h,i) perylene	ND< 300	Phenanthrene	ND< 300
Benzo (k) fluoranthene	ND< 300	Pyrene	ND< 300
Chrysene	ND< 300	Acenaphthylene	ND< 300
Diethyl phthalate	ND< 300	1,2-Dichlorobenzene	ND< 300
Dimethyl phthalate	ND< 750	1,3-Dichlorobenzene	ND< 300
Butylbenzylphthalate	ND< 300	1,4-Dichlorobenzene	ND< 300
Di-n-butyl phthalate	ND< 300	1,2,4-Trichlorobenzene	ND< 300
Di-n-octylphthalate	ND< 300	Nitrobenzene	ND< 300
Bis (2-ethylhexyl) phthalate	ND< 300	2,4-Dinitrotoluene	ND< 300
2-Chloronaphthalene	ND< 300	2,6-Dinitrotoluene	ND< 300
Hexachlorobenzene	ND< 300	Bis (2-chloroethyl) ether	ND< 300
Hexachloroethane	ND< 300	Bis (2-chloroisopropyl) ether	ND< 300
Hexachlorocyclopentadiene	ND< 300	Bis (2-chloroethoxy) methan	ND< 300
Hexachlorobutadiene	ND< 300	4-Bromophenyl phenyl ether	ND< 300
N-Nitroso-di-n-propylamine	ND< 300	4-Chlorophenyl phenyl ether	ND< 300
N-Nitrosodiphenylamine	ND< 300	Benzidine	ND< 750
N-Nitrosodimethylamine	ND< 300	3,3'-Dichlorobenzidine	ND< 300
Isophorone	ND< 300	4-Chloroaniline	ND< 300
Benzyl alcohol	ND< 750	2-Nitroaniline	ND< 750
Dibenzofuran	ND< 300	3-Nitroaniline	ND< 750
2-Methylnaphthalene	ND< 300	4-Nitroaniline	ND< 750

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 300	2-Methylphenol	ND< 300
2-Chlorophenol	ND< 300	3&4-Methylphenol	ND< 300
2,4-Dichlorophenol	ND< 300	2,4-Dimethylphenol	ND< 300
2,6-Dichlorophenol	ND< 300	2-Nitrophenol	ND< 300
2,4,5-Trichlorophenol	ND< 750	4-Nitrophenol	ND< 750
2,4,6-Trichlorophenol	ND< 300	2,4-Dinitrophenol	ND< 750
Pentachlorophenol	ND< 750	4,6-Dinitro-2-methylphenol	ND< 750
4-Chloro-3-methylphenol	ND< 300	Benzoic acid	ND< 750

ELAP Number 10958

Method: EPA 8270C

Data File: S51997.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature:

Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9613

Client Job Number: FN050130

Field Location: PE - 17

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/19/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 298	Dibenz (a,h) anthracene	ND< 298
Anthracene	ND< 298	Fluoranthene	ND< 298
Benzo (a) anthracene	ND< 298	Fluorene	ND< 298
Benzo (a) pyrene	ND< 298	Indeno (1,2,3-cd) pyrene	ND< 298
Benzo (b) fluoranthene	ND< 298	Naphthalene	ND< 298
Benzo (g,h,i) perylene	ND< 298	Phenanthrene	ND< 298
Benzo (k) fluoranthene	ND< 298	Pyrene	ND< 298
Chrysene	ND< 298	Acenaphthylene	ND< 298
Diethyl phthalate	ND< 298	1,2-Dichlorobenzene	ND< 298
Dimethyl phthalate	ND< 745	1,3-Dichlorobenzene	ND< 298
Butylbenzylphthalate	ND< 298	1,4-Dichlorobenzene	ND< 298
Di-n-butyl phthalate	ND< 298	1,2,4-Trichlorobenzene	ND< 298
Di-n-octylphthalate	ND< 298	Nitrobenzene	ND< 298
Bis (2-ethylhexyl) phthalate	ND< 298	2,4-Dinitrotoluene	ND< 298
2-Chloronaphthalene	ND< 298	2,6-Dinitrotoluene	ND< 298
Hexachlorobenzene	ND< 298	Bis (2-chloroethyl) ether	ND< 298
Hexachloroethane	ND< 298	Bis (2-chloroisopropyl) ether	ND< 298
Hexachlorocyclopentadiene	ND< 298	Bis (2-chloroethoxy) methan	ND< 298
Hexachlorobutadiene	ND< 298	4-Bromophenyl phenyl ether	ND< 298
N-Nitroso-di-n-propylamine	ND< 298	4-Chlorophenyl phenyl ether	ND< 298
N-Nitrosodiphenylamine	ND< 298	Benzidine	ND< 745
N-Nitrosodimethylamine	ND< 298	3,3'-Dichlorobenzidine	ND< 298
Isophorone	ND< 298	4-Chloroaniline	ND< 298
Benzyl alcohol	ND< 745	2-Nitroaniline	ND< 745
Dibenzofuran	ND< 298	3-Nitroaniline	ND< 745
2-Methylnaphthalene	ND< 298	4-Nitroaniline	ND< 745

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 298	2-Methylphenol	ND< 298
2-Chlorophenol	ND< 298	3&4-Methylphenol	ND< 298
2,4-Dichlorophenol	ND< 298	2,4-Dimethylphenol	ND< 298
2,6-Dichlorophenol	ND< 298	2-Nitrophenol	ND< 298
2,4,5-Trichlorophenol	ND< 745	4-Nitrophenol	ND< 745
2,4,6-Trichlorophenol	ND< 298	2,4-Dinitrophenol	ND< 745
Pentachlorophenol	ND< 745	4,6-Dinitro-2-methylphenol	ND< 745
4-Chloro-3-methylphenol	ND< 298	Benzoic acid	ND< 745

ELAP Number 10958

Method: EPA 8270C

Data File: S51998.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature:

Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9614

Client Job Number: FN050130

Field Location: PE - 18

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/19/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 347	Dibenz (a,h) anthracene	ND< 347
Anthracene	ND< 347	Fluoranthene	ND< 347
Benzo (a) anthracene	ND< 347	Fluorene	ND< 347
Benzo (a) pyrene	ND< 347	Indeno (1,2,3-cd) pyrene	ND< 347
Benzo (b) fluoranthene	ND< 347	Naphthalene	ND< 347
Benzo (g,h,i) perylene	ND< 347	Phenanthrene	ND< 347
Benzo (k) fluoranthene	ND< 347	Pyrene	ND< 347
Chrysene	ND< 347	Acenaphthylene	ND< 347
Diethyl phthalate	ND< 347	1,2-Dichlorobenzene	ND< 347
Dimethyl phthalate	ND< 868	1,3-Dichlorobenzene	ND< 347
Butylbenzylphthalate	ND< 347	1,4-Dichlorobenzene	ND< 347
Di-n-butyl phthalate	ND< 347	1,2,4-Trichlorobenzene	ND< 347
Di-n-octylphthalate	ND< 347	Nitrobenzene	ND< 347
Bis (2-ethylhexyl) phthalate	ND< 347	2,4-Dinitrotoluene	ND< 347
2-Chloronaphthalene	ND< 347	2,6-Dinitrotoluene	ND< 347
Hexachlorobenzene	ND< 347	Bis (2-chloroethyl) ether	ND< 347
Hexachloroethane	ND< 347	Bis (2-chloroisopropyl) ether	ND< 347
Hexachlorocyclopentadiene	ND< 347	Bis (2-chloroethoxy) methan	ND< 347
Hexachlorobutadiene	ND< 347	4-Bromophenyl phenyl ether	ND< 347
N-Nitroso-di-n-propylamine	ND< 347	4-Chlorophenyl phenyl ether	ND< 347
N-Nitrosodiphenylamine	ND< 347	Benzidine	ND< 868
N-Nitrosodimethylamine	ND< 347	3,3'-Dichlorobenzidine	ND< 347
Isophorone	ND< 347	4-Chloroaniline	ND< 347
Benzyl alcohol	ND< 868	2-Nitroaniline	ND< 868
Dibenzofuran	ND< 347	3-Nitroaniline	ND< 868
2-Methylnaphthalene	ND< 347	4-Nitroaniline	ND< 868

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 347	2-Methylphenol	ND< 347
2-Chlorophenol	ND< 347	3&4-Methylphenol	ND< 347
2,4-Dichlorophenol	ND< 347	2,4-Dimethylphenol	ND< 347
2,6-Dichlorophenol	ND< 347	2-Nitrophenol	ND< 347
2,4,5-Trichlorophenol	ND< 868	4-Nitrophenol	ND< 868
2,4,6-Trichlorophenol	ND< 347	2,4-Dinitrophenol	ND< 868
Pentachlorophenol	ND< 868	4,6-Dinitro-2-methylphenol	ND< 868
4-Chloro-3-methylphenol	ND< 347	Benzoic acid	ND< 868

ELAP Number 10958

Method: EPA 8270C

Data File: S51999.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature:


 Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9615

Client Job Number: FN050130

Field Location: PE - 19

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/19/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 305	Dibenz (a,h) anthracene	ND< 305
Anthracene	ND< 305	Fluoranthene	ND< 305
Benzo (a) anthracene	ND< 305	Fluorene	ND< 305
Benzo (a) pyrene	ND< 305	Indeno (1,2,3-cd) pyrene	ND< 305
Benzo (b) fluoranthene	ND< 305	Naphthalene	ND< 305
Benzo (g,h,i) perylene	ND< 305	Phenanthrene	ND< 305
Benzo (k) fluoranthene	ND< 305	Pyrene	ND< 305
Chrysene	ND< 305	Acenaphthylene	ND< 305
Diethyl phthalate	ND< 305	1,2-Dichlorobenzene	ND< 305
Dimethyl phthalate	ND< 764	1,3-Dichlorobenzene	ND< 305
Butylbenzylphthalate	ND< 305	1,4-Dichlorobenzene	ND< 305
Di-n-butyl phthalate	ND< 305	1,2,4-Trichlorobenzene	ND< 305
Di-n-octylphthalate	ND< 305	Nitrobenzene	ND< 305
Bis (2-ethylhexyl) phthalate	ND< 305	2,4-Dinitrotoluene	ND< 305
2-Chloronaphthalene	ND< 305	2,6-Dinitrotoluene	ND< 305
Hexachlorobenzene	ND< 305	Bis (2-chloroethyl) ether	ND< 305
Hexachloroethane	ND< 305	Bis (2-chloroisopropyl) ether	ND< 305
Hexachlorocyclopentadiene	ND< 305	Bis (2-chloroethoxy) methan	ND< 305
Hexachlorobutadiene	ND< 305	4-Bromophenyl phenyl ether	ND< 305
N-Nitroso-di-n-propylamine	ND< 305	4-Chlorophenyl phenyl ether	ND< 305
N-Nitrosodiphenylamine	ND< 305	Benzidine	ND< 764
N-Nitrosodimethylamine	ND< 305	3,3'-Dichlorobenzidine	ND< 305
Isophorone	ND< 305	4-Chloroaniline	ND< 305
Benzyl alcohol	ND< 764	2-Nitroaniline	ND< 764
Dibenzofuran	ND< 305	3-Nitroaniline	ND< 764
2-Methylnaphthalene	ND< 305	4-Nitroaniline	ND< 764

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 305	2-Methylphenol	ND< 305
2-Chlorophenol	ND< 305	3&4-Methylphenol	ND< 305
2,4-Dichlorophenol	ND< 305	2,4-Dimethylphenol	ND< 305
2,6-Dichlorophenol	ND< 305	2-Nitrophenol	ND< 305
2,4,5-Trichlorophenol	ND< 764	4-Nitrophenol	ND< 764
2,4,6-Trichlorophenol	ND< 305	2,4-Dinitrophenol	ND< 764
Pentachlorophenol	ND< 764	4,6-Dinitro-2-methylphenol	ND< 764
4-Chloro-3-methylphenol	ND< 305	Benzoic acid	ND< 764

ELAP Number 10958

Method: EPA 8270C

Data File: S52000.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9616

Client Job Number: FN050130

Field Location: PE - 20

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/19/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 301	Dibenz (a,h) anthracene	ND< 301
Anthracene	ND< 301	Fluoranthene	ND< 301
Benzo (a) anthracene	ND< 301	Fluorene	ND< 301
Benzo (a) pyrene	ND< 301	Indeno (1,2,3-cd) pyrene	ND< 301
Benzo (b) fluoranthene	ND< 301	Naphthalene	ND< 301
Benzo (g,h,i) perylene	ND< 301	Phenanthrene	ND< 301
Benzo (k) fluoranthene	ND< 301	Pyrene	ND< 301
Chrysene	ND< 301	Acenaphthylene	ND< 301
Diethyl phthalate	ND< 301	1,2-Dichlorobenzene	ND< 301
Dimethyl phthalate	ND< 752	1,3-Dichlorobenzene	ND< 301
Butylbenzylphthalate	ND< 301	1,4-Dichlorobenzene	ND< 301
Di-n-butyl phthalate	ND< 301	1,2,4-Trichlorobenzene	ND< 301
Di-n-octylphthalate	ND< 301	Nitrobenzene	ND< 301
Bis (2-ethylhexyl) phthalate	ND< 301	2,4-Dinitrotoluene	ND< 301
2-Chloronaphthalene	ND< 301	2,6-Dinitrotoluene	ND< 301
Hexachlorobenzene	ND< 301	Bis (2-chloroethyl) ether	ND< 301
Hexachloroethane	ND< 301	Bis (2-chloroisopropyl) ether	ND< 301
Hexachlorocyclopentadiene	ND< 301	Bis (2-chloroethoxy) methan	ND< 301
Hexachlorobutadiene	ND< 301	4-Bromophenyl phenyl ether	ND< 301
N-Nitroso-di-n-propylamine	ND< 301	4-Chlorophenyl phenyl ether	ND< 301
N-Nitrosodiphenylamine	ND< 301	Benzidine	ND< 752
N-Nitrosodimethylamine	ND< 301	3,3'-Dichlorobenzidine	ND< 301
Isophorone	ND< 301	4-Chloroaniline	ND< 301
Benzyl alcohol	ND< 752	2-Nitroaniline	ND< 752
Dibenzofuran	ND< 301	3-Nitroaniline	ND< 752
2-Methylnaphthalene	ND< 301	4-Nitroaniline	ND< 752

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 301	2-Methylphenol	ND< 301
2-Chlorophenol	ND< 301	3,4-Methylphenol	ND< 301
2,4-Dichlorophenol	ND< 301	2,4-Dimethylphenol	ND< 301
2,6-Dichlorophenol	ND< 301	2-Nitrophenol	ND< 301
2,4,5-Trichlorophenol	ND< 752	4-Nitrophenol	ND< 752
2,4,6-Trichlorophenol	ND< 301	2,4-Dinitrophenol	ND< 752
Pentachlorophenol	ND< 752	4,6-Dinitro-2-methylphenol	ND< 752
4-Chloro-3-methylphenol	ND< 301	Benzoic acid	ND< 752

ELAP Number 10958

Method: EPA 8270C

Data File: S52001.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature:


 Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9617

Client Job Number: FN050130

Field Location: PE - 21

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/19/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 353	Dibenz (a,h) anthracene	ND< 353
Anthracene	ND< 353	Fluoranthene	ND< 353
Benzo (a) anthracene	ND< 353	Fluorene	ND< 353
Benzo (a) pyrene	ND< 353	Indeno (1,2,3-cd) pyrene	ND< 353
Benzo (b) fluoranthene	ND< 353	Naphthalene	ND< 353
Benzo (g,h,i) perylene	ND< 353	Phenanthrene	ND< 353
Benzo (k) fluoranthene	ND< 353	Pyrene	ND< 353
Chrysene	ND< 353	Acenaphthylene	ND< 353
Diethyl phthalate	ND< 353	1,2-Dichlorobenzene	ND< 353
Dimethyl phthalate	ND< 882	1,3-Dichlorobenzene	ND< 353
Butylbenzylphthalate	ND< 353	1,4-Dichlorobenzene	ND< 353
Di-n-butyl phthalate	ND< 353	1,2,4-Trichlorobenzene	ND< 353
Di-n-octylphthalate	ND< 353	Nitrobenzene	ND< 353
Bis (2-ethylhexyl) phthalate	ND< 353	2,4-Dinitrotoluene	ND< 353
2-Chloronaphthalene	ND< 353	2,6-Dinitrotoluene	ND< 353
Hexachlorobenzene	ND< 353	Bis (2-chloroethyl) ether	ND< 353
Hexachloroethane	ND< 353	Bis (2-chloroisopropyl) ether	ND< 353
Hexachlorocyclopentadiene	ND< 353	Bis (2-chloroethoxy) methan	ND< 353
Hexachlorobutadiene	ND< 353	4-Bromophenyl phenyl ether	ND< 353
N-Nitroso-di-n-propylamine	ND< 353	4-Chlorophenyl phenyl ether	ND< 353
N-Nitrosodiphenylamine	ND< 353	Benzidine	ND< 882
N-Nitrosodimethylamine	ND< 353	3,3'-Dichlorobenzidine	ND< 353
Isophorone	ND< 353	4-Chloroaniline	ND< 353
Benzyl alcohol	ND< 882	2-Nitroaniline	ND< 882
Dibenzofuran	ND< 353	3-Nitroaniline	ND< 882
2-Methylnaphthalene	ND< 353	4-Nitroaniline	ND< 882

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 353	2-Methylphenol	ND< 353
2-Chlorophenol	ND< 353	3&4-Methylphenol	ND< 353
2,4-Dichlorophenol	ND< 353	2,4-Dimethylphenol	ND< 353
2,6-Dichlorophenol	ND< 353	2-Nitrophenol	ND< 353
2,4,5-Trichlorophenol	ND< 882	4-Nitrophenol	ND< 882
2,4,6-Trichlorophenol	ND< 353	2,4-Dinitrophenol	ND< 882
Pentachlorophenol	ND< 882	4,6-Dinitro-2-methylphenol	ND< 882
4-Chloro-3-methylphenol	ND< 353	Benzoic acid	ND< 882

ELAP Number 10958

Method: EPA 8270C

Data File: S52002.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9618

Client Job Number: FN050130

Field Location: PE - 22

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/19/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 303	Dibenz (a,h) anthracene	ND< 303
Anthracene	ND< 303	Fluoranthene	ND< 303
Benzo (a) anthracene	ND< 303	Fluorene	ND< 303
Benzo (a) pyrene	ND< 303	Indeno (1,2,3-cd) pyrene	ND< 303
Benzo (b) fluoranthene	ND< 303	Naphthalene	ND< 303
Benzo (g,h,i) perylene	ND< 303	Phenanthrene	ND< 303
Benzo (k) fluoranthene	ND< 303	Pyrene	ND< 303
Chrysene	ND< 303	Acenaphthylene	ND< 303
Diethyl phthalate	ND< 303	1,2-Dichlorobenzene	ND< 303
Dimethyl phthalate	ND< 757	1,3-Dichlorobenzene	ND< 303
Butylbenzylphthalate	ND< 303	1,4-Dichlorobenzene	ND< 303
Di-n-butyl phthalate	ND< 303	1,2,4-Trichlorobenzene	ND< 303
Di-n-octylphthalate	ND< 303	Nitrobenzene	ND< 303
Bis (2-ethylhexyl) phthalate	ND< 303	2,4-Dinitrotoluene	ND< 303
2-Chloronaphthalene	ND< 303	2,6-Dinitrotoluene	ND< 303
Hexachlorobenzene	ND< 303	Bis (2-chloroethyl) ether	ND< 303
Hexachloroethane	ND< 303	Bis (2-chloroisopropyl) ether	ND< 303
Hexachlorocyclopentadiene	ND< 303	Bis (2-chloroethoxy) methan	ND< 303
Hexachlorobutadiene	ND< 303	4-Bromophenyl phenyl ether	ND< 303
N-Nitroso-di-n-propylamine	ND< 303	4-Chlorophenyl phenyl ether	ND< 303
N-Nitrosodiphenylamine	ND< 303	Benzidine	ND< 757
N-Nitrosodimethylamine	ND< 303	3,3'-Dichlorobenzidine	ND< 303
Isophorone	ND< 303	4-Chloroaniline	ND< 303
Benzyl alcohol	ND< 757	2-Nitroaniline	ND< 757
Dibenzofuran	ND< 303	3-Nitroaniline	ND< 757
2-Methylnaphthalene	ND< 303	4-Nitroaniline	ND< 757

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 303	2-Methylphenol	ND< 303
2-Chlorophenol	ND< 303	3&4-Methylphenol	ND< 303
2,4-Dichlorophenol	ND< 303	2,4-Dimethylphenol	ND< 303
2,6-Dichlorophenol	ND< 303	2-Nitrophenol	ND< 303
2,4,5-Trichlorophenol	ND< 757	4-Nitrophenol	ND< 757
2,4,6-Trichlorophenol	ND< 303	2,4-Dinitrophenol	ND< 757
Pentachlorophenol	ND< 757	4,6-Dinitro-2-methylphenol	ND< 757
4-Chloro-3-methylphenol	ND< 303	Benzoic acid	ND< 757

ELAP Number 10958

Method: EPA 8270C

Data File: S52003.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges**Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9619**Client Job Number:** FN050130**Field Location:** PE - 23**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/19/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 308	Dibenz (a,h) anthracene	ND< 308
Anthracene	ND< 308	Fluoranthene	ND< 308
Benzo (a) anthracene	ND< 308	Fluorene	ND< 308
Benzo (a) pyrene	ND< 308	Indeno (1,2,3-cd) pyrene	ND< 308
Benzo (b) fluoranthene	ND< 308	Naphthalene	ND< 308
Benzo (g,h,i) perylene	ND< 308	Phenanthrene	ND< 308
Benzo (k) fluoranthene	ND< 308	Pyrene	ND< 308
Chrysene	ND< 308	Acenaphthylene	ND< 308
Diethyl phthalate	ND< 308	1,2-Dichlorobenzene	ND< 308
Dimethyl phthalate	ND< 770	1,3-Dichlorobenzene	ND< 308
Butylbenzylphthalate	ND< 308	1,4-Dichlorobenzene	ND< 308
Di-n-butyl phthalate	ND< 308	1,2,4-Trichlorobenzene	ND< 308
Di-n-octylphthalate	ND< 308	Nitrobenzene	ND< 308
Bis (2-ethylhexyl) phthalate	ND< 308	2,4-Dinitrotoluene	ND< 308
2-Chloronaphthalene	ND< 308	2,6-Dinitrotoluene	ND< 308
Hexachlorobenzene	ND< 308	Bis (2-chloroethyl) ether	ND< 308
Hexachloroethane	ND< 308	Bis (2-chloroisopropyl) ether	ND< 308
Hexachlorocyclopentadiene	ND< 308	Bis (2-chloroethoxy) methan	ND< 308
Hexachlorobutadiene	ND< 308	4-Bromophenyl phenyl ether	ND< 308
N-Nitroso-di-n-propylamine	ND< 308	4-Chlorophenyl phenyl ether	ND< 308
N-Nitrosodiphenylamine	ND< 308	Benzidine	ND< 770
N-Nitrosodimethylamine	ND< 308	3,3'-Dichlorobenzidine	ND< 308
Isophorone	ND< 308	4-Chloroaniline	ND< 308
Benzyl alcohol	ND< 770	2-Nitroaniline	ND< 770
Dibenzofuran	ND< 308	3-Nitroaniline	ND< 770
2-Methylnaphthalene	ND< 308	4-Nitroaniline	ND< 770

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 308	2-Methylphenol	ND< 308
2-Chlorophenol	ND< 308	3&4-Methylphenol	ND< 308
2,4-Dichlorophenol	ND< 308	2,4-Dimethylphenol	ND< 308
2,6-Dichlorophenol	ND< 308	2-Nitrophenol	ND< 308
2,4,5-Trichlorophenol	ND< 770	4-Nitrophenol	ND< 770
2,4,6-Trichlorophenol	ND< 308	2,4-Dinitrophenol	ND< 770
Pentachlorophenol	ND< 770	4,6-Dinitro-2-methylphenol	ND< 770
4-Chloro-3-methylphenol	ND< 308	Benzoic acid	ND< 770

ELAP Number 10958

Method: EPA 8270C

Data File: S52004.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

102918T3.XLS

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9620

Client Job Number: FN050130

Field Location: PE - 24

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/19/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 298	Dibenz (a,h) anthracene	ND< 298
Anthracene	ND< 298	Fluoranthene	ND< 298
Benzo (a) anthracene	ND< 298	Fluorene	ND< 298
Benzo (a) pyrene	ND< 298	Indeno (1,2,3-cd) pyrene	ND< 298
Benzo (b) fluoranthene	ND< 298	Naphthalene	ND< 298
Benzo (g,h,i) perylene	ND< 298	Phenanthrene	ND< 298
Benzo (k) fluoranthene	ND< 298	Pyrene	ND< 298
Chrysene	ND< 298	Acenaphthylene	ND< 298
Diethyl phthalate	ND< 298	1,2-Dichlorobenzene	ND< 298
Dimethyl phthalate	ND< 745	1,3-Dichlorobenzene	ND< 298
Butylbenzylphthalate	ND< 298	1,4-Dichlorobenzene	ND< 298
Di-n-butyl phthalate	ND< 298	1,2,4-Trichlorobenzene	ND< 298
Di-n-octylphthalate	ND< 298	Nitrobenzene	ND< 298
Bis (2-ethylhexyl) phthalate	ND< 298	2,4-Dinitrotoluene	ND< 298
2-Chloronaphthalene	ND< 298	2,6-Dinitrotoluene	ND< 298
Hexachlorobenzene	ND< 298	Bis (2-chloroethyl) ether	ND< 298
Hexachloroethane	ND< 298	Bis (2-chloroisopropyl) ether	ND< 298
Hexachlorocyclopentadiene	ND< 298	Bis (2-chloroethoxy) methan	ND< 298
Hexachlorobutadiene	ND< 298	4-Bromophenyl phenyl ether	ND< 298
N-Nitroso-di-n-propylamine	ND< 298	4-Chlorophenyl phenyl ether	ND< 298
N-Nitrosodiphenylamine	ND< 298	Benzidine	ND< 745
N-Nitrosodimethylamine	ND< 298	3,3'-Dichlorobenzidine	ND< 298
Isophorone	ND< 298	4-Chloroaniline	ND< 298
Benzyl alcohol	ND< 745	2-Nitroaniline	ND< 745
Dibenzofuran	ND< 298	3-Nitroaniline	ND< 745
2-Methylnaphthalene	ND< 298	4-Nitroaniline	ND< 745

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 298	2-Methylphenol	ND< 298
2-Chlorophenol	ND< 298	3&4-Methylphenol	ND< 298
2,4-Dichlorophenol	ND< 298	2,4-Dimethylphenol	ND< 298
2,6-Dichlorophenol	ND< 298	2-Nitrophenol	ND< 298
2,4,5-Trichlorophenol	ND< 745	4-Nitrophenol	ND< 745
2,4,6-Trichlorophenol	ND< 298	2,4-Dinitrophenol	ND< 745
Pentachlorophenol	ND< 745	4,6-Dinitro-2-methylphenol	ND< 745
4-Chloro-3-methylphenol	ND< 298	Benzoic acid	ND< 745

ELAP Number 10958

Method: EPA 8270C

Data File: S52005.D

Comments: ND denotes Non Detect
 ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9621

Client Job Number: FN050130

Field Location: PE - 25

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 295	Dibenz (a,h) anthracene	ND< 295
Anthracene	ND< 295	Fluoranthene	ND< 295
Benzo (a) anthracene	ND< 295	Fluorene	ND< 295
Benzo (a) pyrene	ND< 295	Indeno (1,2,3-cd) pyrene	ND< 295
Benzo (b) fluoranthene	ND< 295	Naphthalene	ND< 295
Benzo (g,h,i) perylene	ND< 295	Phenanthrene	ND< 295
Benzo (k) fluoranthene	ND< 295	Pyrene	ND< 295
Chrysene	ND< 295	Acenaphthylene	ND< 295
Diethyl phthalate	ND< 295	1,2-Dichlorobenzene	ND< 295
Dimethyl phthalate	ND< 738	1,3-Dichlorobenzene	ND< 295
Butylbenzylphthalate	ND< 295	1,4-Dichlorobenzene	ND< 295
Di-n-butyl phthalate	ND< 295	1,2,4-Trichlorobenzene	ND< 295
Di-n-octylphthalate	ND< 295	Nitrobenzene	ND< 295
Bis (2-ethylhexyl) phthalate	ND< 295	2,4-Dinitrotoluene	ND< 295
2-Chloronaphthalene	ND< 295	2,6-Dinitrotoluene	ND< 295
Hexachlorobenzene	ND< 295	Bis (2-chloroethyl) ether	ND< 295
Hexachloroethane	ND< 295	Bis (2-chloroisopropyl) ether	ND< 295
Hexachlorocyclopentadiene	ND< 295	Bis (2-chloroethoxy) methan	ND< 295
Hexachlorobutadiene	ND< 295	4-Bromophenyl phenyl ether	ND< 295
N-Nitroso-di-n-propylamine	ND< 295	4-Chlorophenyl phenyl ether	ND< 295
N-Nitrosodiphenylamine	ND< 295	Benzidine	ND< 738
N-Nitrosodimethylamine	ND< 295	3,3'-Dichlorobenzidine	ND< 295
Isophorone	ND< 295	4-Chloroaniline	ND< 295
Benzyl alcohol	ND< 738	2-Nitroaniline	ND< 738
Dibenzofuran	ND< 295	3-Nitroaniline	ND< 738
2-Methylnapthalene	ND< 295	4-Nitroaniline	ND< 738

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 295	2-Methylphenol	ND< 295
2-Chlorophenol	ND< 295	3&4-Methylphenol	ND< 295
2,4-Dichlorophenol	ND< 295	2,4-Dimethylphenol	ND< 295
2,6-Dichlorophenol	ND< 295	2-Nitrophenol	ND< 295
2,4,5-Trichlorophenol	ND< 738	4-Nitrophenol	ND< 738
2,4,6-Trichlorophenol	ND< 295	2,4-Dinitrophenol	ND< 738
Pentachlorophenol	ND< 738	4,6-Dinitro-2-methylphenol	ND< 738
4-Chloro-3-methylphenol	ND< 295	Benzoic acid	ND< 738

ELAP Number 10958

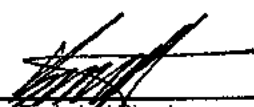
Method: EPA 8270C

Data File: S52006.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9622

Client Job Number: FN050130

Field Location: PE - 26

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 300	Dibenz (a,h) anthracene	ND< 300
Anthracene	ND< 300	Fluoranthene	ND< 300
Benzo (a) anthracene	ND< 300	Fluorene	ND< 300
Benzo (a) pyrene	ND< 300	Indeno (1,2,3-cd) pyrene	ND< 300
Benzo (b) fluoranthene	ND< 300	Naphthalene	ND< 300
Benzo (g,h,i) perylene	ND< 300	Phenanthrene	ND< 300
Benzo (k) fluoranthene	ND< 300	Pyrene	ND< 300
Chrysene	ND< 300	Acenaphthylene	ND< 300
Diethyl phthalate	ND< 300	1,2-Dichlorobenzene	ND< 300
Dimethyl phthalate	ND< 750	1,3-Dichlorobenzene	ND< 300
Butylbenzylphthalate	ND< 300	1,4-Dichlorobenzene	ND< 300
Di-n-butyl phthalate	ND< 300	1,2,4-Trichlorobenzene	ND< 300
Di-n-octylphthalate	ND< 300	Nitrobenzene	ND< 300
Bis (2-ethylhexyl) phthalate	ND< 300	2,4-Dinitrotoluene	ND< 300
2-Chloronaphthalene	ND< 300	2,6-Dinitrotoluene	ND< 300
Hexachlorobenzene	ND< 300	Bis (2-chloroethyl) ether	ND< 300
Hexachloroethane	ND< 300	Bis (2-chloroisopropyl) ether	ND< 300
Hexachlorocyclopentadiene	ND< 300	Bis (2-chloroethoxy) methan	ND< 300
Hexachlorobutadiene	ND< 300	4-Bromophenyl phenyl ether	ND< 300
N-Nitroso-di-n-propylamine	ND< 300	4-Chlorophenyl phenyl ether	ND< 300
N-Nitrosodiphenylamine	ND< 300	Benzidine	ND< 750
N-Nitrosodimethylamine	ND< 300	3,3'-Dichlorobenzidine	ND< 300
Isophorone	ND< 300	4-Chloroaniline	ND< 300
Benzyl alcohol	ND< 750	2-Nitroaniline	ND< 750
Dibenzofuran	ND< 300	3-Nitroaniline	ND< 750
2-Methylnaphthalene	ND< 300	4-Nitroaniline	ND< 750

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 300	2-Methylphenol	ND< 300
2-Chlorophenol	ND< 300	3&4-Methylphenol	ND< 300
2,4-Dichlorophenol	ND< 300	2,4-Dimethylphenol	ND< 300
2,6-Dichlorophenol	ND< 300	2-Nitrophenol	ND< 300
2,4,5-Trichlorophenol	ND< 750	4-Nitrophenol	ND< 750
2,4,6-Trichlorophenol	ND< 300	2,4-Dinitrophenol	ND< 750
Pentachlorophenol	ND< 750	4,6-Dinitro-2-methylphenol	ND< 750
4-Chloro-3-methylphenol	ND< 300	Benzoic acid	ND< 750

ELAP Number 10958

Method: EPA 8270C

Data File: S52007.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature:


 Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9623

Client Job Number: FN050130

Field Location: PE - 27

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 300	Dibenz (a,h) anthracene	ND< 300
Anthracene	ND< 300	Fluoranthene	542
Benzo (a) anthracene	ND< 300	Fluorene	ND< 300
Benzo (a) pyrene	ND< 300	Indeno (1,2,3-cd) pyrene	ND< 300
Benzo (b) fluoranthene	ND< 300	Naphthalene	ND< 300
Benzo (g,h,i) perylene	ND< 300	Phenanthrene	ND< 300
Benzo (k) fluoranthene	ND< 300	Pyrene	435
Chrysene	ND< 300	Acenaphthylene	ND< 300
Diethyl phthalate	ND< 300	1,2-Dichlorobenzene	ND< 300
Dimethyl phthalate	ND< 751	1,3-Dichlorobenzene	ND< 300
Butylbenzylphthalate	ND< 300	1,4-Dichlorobenzene	ND< 300
Di-n-butyl phthalate	ND< 300	1,2,4-Trichlorobenzene	ND< 300
Di-n-octylphthalate	ND< 300	Nitrobenzene	ND< 300
Bis (2-ethylhexyl) phthalate	ND< 300	2,4-Dinitrotoluene	ND< 300
2-Chloronaphthalene	ND< 300	2,6-Dinitrotoluene	ND< 300
Hexachlorobenzene	ND< 300	Bis (2-chloroethyl) ether	ND< 300
Hexachloroethane	ND< 300	Bis (2-chloroisopropyl) ether	ND< 300
Hexachlorocyclopentadiene	ND< 300	Bis (2-chloroethoxy) methan	ND< 300
Hexachlorobutadiene	ND< 300	4-Bromophenyl phenyl ether	ND< 300
N-Nitroso-di-n-propylamine	ND< 300	4-Chlorophenyl phenyl ether	ND< 300
N-Nitrosodiphenylamine	ND< 300	Benzidine	ND< 751
N-Nitrosodimethylamine	ND< 300	3,3'-Dichlorobenzidine	ND< 300
Isophorone	ND< 300	4-Chloroaniline	ND< 300
Benzyl alcohol	ND< 751	2-Nitroaniline	ND< 751
Dibenzofuran	ND< 300	3-Nitroaniline	ND< 751
2-Methylnaphthalene	ND< 300	4-Nitroaniline	ND< 751

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 300	2-Methylphenol	ND< 300
2-Chlorophenol	ND< 300	3&4-Methylphenol	ND< 300
2,4-Dichlorophenol	ND< 300	2,4-Dimethylphenol	ND< 300
2,6-Dichlorophenol	ND< 300	2-Nitrophenol	ND< 300
2,4,5-Trichlorophenol	ND< 751	4-Nitrophenol	ND< 751
2,4,6-Trichlorophenol	ND< 300	2,4-Dinitrophenol	ND< 751
Pentachlorophenol	ND< 751	4,6-Dinitro-2-methylphenol	ND< 751
4-Chloro-3-methylphenol	ND< 300	Benzolic acid	ND< 751

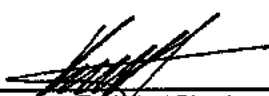
ELAP Number 10958

Method: EPA 8270C

Data File: S52008.D

Comments: ND denotes Non Detect
 ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9624

Client Job Number: FN050130

Field Location: PE - 28

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 297	Dibenz (a,h) anthracene	ND< 297
Anthracene	ND< 297	Fluoranthene	588
Benzo (a) anthracene	ND< 297	Fluorene	ND< 297
Benzo (a) pyrene	ND< 297	Indeno (1,2,3-cd) pyrene	ND< 297
Benzo (b) fluoranthene	ND< 297	Naphthalene	ND< 297
Benzo (g,h,i) perylene	ND< 297	Phenanthrene	ND< 297
Benzo (k) fluoranthene	ND< 297	Pyrene	434
Chrysene	ND< 297	Acenaphthylene	ND< 297
Diethyl phthalate	ND< 297	1,2-Dichlorobenzene	ND< 297
Dimethyl phthalate	ND< 742	1,3-Dichlorobenzene	ND< 297
Butylbenzylphthalate	ND< 297	1,4-Dichlorobenzene	ND< 297
Di-n-butyl phthalate	ND< 297	1,2,4-Trichlorobenzene	ND< 297
Di-n-octylphthalate	ND< 297	Nitrobenzene	ND< 297
Bis (2-ethylhexyl) phthalate	ND< 297	2,4-Dinitrotoluene	ND< 297
2-Chloronaphthalene	ND< 297	2,6-Dinitrotoluene	ND< 297
Hexachlorobenzene	ND< 297	Bis (2-chloroethyl) ether	ND< 297
Hexachloroethane	ND< 297	Bis (2-chloroisopropyl) ether	ND< 297
Hexachlorocyclopentadiene	ND< 297	Bis (2-chloroethoxy) methan	ND< 297
Hexachlorobutadiene	ND< 297	4-Bromophenyl phenyl ether	ND< 297
N-Nitroso-di-n-propylamine	ND< 297	4-Chlorophenyl phenyl ether	ND< 297
N-Nitrosodiphenylamine	ND< 297	Benzidine	ND< 742
N-Nitrosodimethylamine	ND< 297	3,3'-Dichlorobenzidine	ND< 297
Isophorone	ND< 297	4-Chloroaniline	ND< 297
Benzyl alcohol	ND< 742	2-Nitroaniline	ND< 742
Dibenzofuran	ND< 297	3-Nitroaniline	ND< 742
2-Methylnaphthalene	ND< 297	4-Nitroaniline	ND< 742

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 297	2-Methylphenol	ND< 297
2-Chlorophenol	ND< 297	3&4-Methylphenol	ND< 297
2,4-Dichlorophenol	ND< 297	2,4-Dimethylphenol	ND< 297
2,6-Dichlorophenol	ND< 297	2-Nitrophenol	ND< 297
2,4,5-Trichlorophenol	ND< 742	4-Nitrophenol	ND< 742
2,4,6-Trichlorophenol	ND< 297	2,4-Dinitrophenol	ND< 742
Pentachlorophenol	ND< 742	4,6-Dinitro-2-methylphenol	ND< 742
4-Chloro-3-methylphenol	ND< 297	Benzoic acid	ND< 742

ELAP Number 10958

Method: EPA 8270C

Data File: S52009.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9625

Client Job Number: FN050130

Field Location: PE - 29

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 304	Dibenz (a,h) anthracene	ND< 304
Anthracene	ND< 304	Fluoranthene	ND< 304
Benzo (a) anthracene	ND< 304	Fluorene	ND< 304
Benzo (a) pyrene	ND< 304	Indeno (1,2,3-cd) pyrene	ND< 304
Benzo (b) fluoranthene	ND< 304	Naphthalene	ND< 304
Benzo (g,h,i) perylene	ND< 304	Phenanthrene	ND< 304
Benzo (k) fluoranthene	ND< 304	Pyrene	ND< 304
Chrysene	ND< 304	Acenaphthylene	ND< 304
Diethyl phthalate	ND< 304	1,2-Dichlorobenzene	ND< 304
Dimethyl phthalate	ND< 761	1,3-Dichlorobenzene	ND< 304
Butylbenzylphthalate	ND< 304	1,4-Dichlorobenzene	ND< 304
Di-n-butyl phthalate	ND< 304	1,2,4-Trichlorobenzene	ND< 304
Di-n-octylphthalate	ND< 304	Nitrobenzene	ND< 304
Bis (2-ethylhexyl) phthalate	ND< 304	2,4-Dinitrotoluene	ND< 304
2-Chloronaphthalene	ND< 304	2,6-Dinitrotoluene	ND< 304
Hexachlorobenzene	ND< 304	Bis (2-chloroethyl) ether	ND< 304
Hexachloroethane	ND< 304	Bis (2-chloroisopropyl) ether	ND< 304
Hexachlorocyclopentadiene	ND< 304	Bis (2-chloroethoxy) methan	ND< 304
Hexachlorobutadiene	ND< 304	4-Bromophenyl phenyl ether	ND< 304
N-Nitroso-di-n-propylamine	ND< 304	4-Chlorophenyl phenyl ether	ND< 304
N-Nitrosodiphenylamine	ND< 304	Benzidine	ND< 761
N-Nitrosodimethylamine	ND< 304	3,3'-Dichlorobenzidine	ND< 304
Isophorone	ND< 304	4-Chloroaniline	ND< 304
Benzyl alcohol	ND< 761	2-Nitroaniline	ND< 761
Dibenzofuran	ND< 304	3-Nitroaniline	ND< 761
2-Methylnaphthalene	ND< 304	4-Nitroaniline	ND< 761

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 304	2-Methylphenol	ND< 304
2-Chlorophenol	ND< 304	3&4-Methylphenol	ND< 304
2,4-Dichlorophenol	ND< 304	2,4-Dimethylphenol	ND< 304
2,6-Dichlorophenol	ND< 304	2-Nitrophenol	ND< 304
2,4,5-Trichlorophenol	ND< 761	4-Nitrophenol	ND< 761
2,4,6-Trichlorophenol	ND< 304	2,4-Dinitrophenol	ND< 761
Pentachlorophenol	ND< 761	4,6-Dinitro-2-methylphenol	ND< 761
4-Chloro-3-methylphenol	ND< 304	Benzoic acid	ND< 761

ELAP Number 10958

Method: EPA 8270C

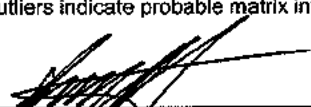
Data File: S52010.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature:


 Bruce Hoogsteder: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9626

Client Job Number: FN050130

Field Location: PE - 30

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 304	Dibenz (a,h) anthracene	ND< 304
Anthracene	ND< 304	Fluoranthene	ND< 304
Benzo (a) anthracene	ND< 304	Fluorene	ND< 304
Benzo (a) pyrene	ND< 304	Indeno (1,2,3-cd) pyrene	ND< 304
Benzo (b) fluoranthene	ND< 304	Naphthalene	ND< 304
Benzo (g,h,i) perylene	ND< 304	Phenanthrene	ND< 304
Benzo (k) fluoranthene	ND< 304	Pyrene	ND< 304
Chrysene	ND< 304	Acenaphthylene	ND< 304
Diethyl phthalate	ND< 304	1,2-Dichlorobenzene	ND< 304
Dimethyl phthalate	ND< 760	1,3-Dichlorobenzene	ND< 304
Butylbenzylphthalate	ND< 304	1,4-Dichlorobenzene	ND< 304
Di-n-butyl phthalate	ND< 304	1,2,4-Trichlorobenzene	ND< 304
Di-n-octylphthalate	ND< 304	Nitrobenzene	ND< 304
Bis (2-ethylhexyl) phthalate	ND< 304	2,4-Dinitrotoluene	ND< 304
2-Chloronaphthalene	ND< 304	2,6-Dinitrotoluene	ND< 304
Hexachlorobenzene	ND< 304	Bis (2-chloroethyl) ether	ND< 304
Hexachloroethane	ND< 304	Bis (2-chloroisopropyl) ether	ND< 304
Hexachlorocyclopentadiene	ND< 304	Bis (2-chloroethoxy) methan	ND< 304
Hexachlorobutadiene	ND< 304	4-Bromophenyl phenyl ether	ND< 304
N-Nitroso-di-n-propylamine	ND< 304	4-Chlorophenyl phenyl ether	ND< 304
N-Nitrosodiphenylamine	ND< 304	Benzidine	ND< 760
N-Nitrosodimethylamine	ND< 304	3,3'-Dichlorobenzidine	ND< 304
Isophorone	ND< 304	4-Chloroaniline	ND< 304
Benzyl alcohol	ND< 760	2-Nitroaniline	ND< 760
Dibenzofuran	ND< 304	3-Nitroaniline	ND< 760
2-Methylnaphthalene	ND< 304	4-Nitroaniline	ND< 760

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 304	2-Methylphenol	ND< 304
2-Chlorophenol	ND< 304	3&4-Methylphenol	ND< 304
2,4-Dichlorophenol	ND< 304	2,4-Dimethylphenol	ND< 304
2,6-Dichlorophenol	ND< 304	2-Nitrophenol	ND< 304
2,4,5-Trichlorophenol	ND< 760	4-Nitrophenol	ND< 760
2,4,6-Trichlorophenol	ND< 304	2,4-Dinitrophenol	ND< 760
Pentachlorophenol	ND< 760	4,6-Dinitro-2-methylphenol	ND< 760
4-Chloro-3-methylphenol	ND< 304	Benzoic acid	ND< 760

ELAP Number 10958

Method: EPA 8270C

Data File: S52015.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Matrix Spike outliers indicate probable matrix interference

Signature:

Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9627

Client Job Number: FN050130

Field Location: PE - 31

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 311	Dibenz (a,h) anthracene	ND< 311
Anthracene	ND< 311	Fluoranthene	ND< 311
Benzo (a) anthracene	ND< 311	Fluorene	ND< 311
Benzo (a) pyrene	ND< 311	Indeno (1,2,3-cd) pyrene	ND< 311
Benzo (b) fluoranthene	ND< 311	Naphthalene	ND< 311
Benzo (g,h,i) perylene	ND< 311	Phenanthrene	ND< 311
Benzo (k) fluoranthene	ND< 311	Pyrene	ND< 311
Chrysene	ND< 311	Acenaphthylene	ND< 311
Diethyl phthalate	ND< 311	1,2-Dichlorobenzene	ND< 311
Dimethyl phthalate	ND< 777	1,3-Dichlorobenzene	ND< 311
Butylbenzylphthalate	ND< 311	1,4-Dichlorobenzene	ND< 311
Di-n-butyl phthalate	ND< 311	1,2,4-Trichlorobenzene	ND< 311
Di-n-octylphthalate	ND< 311	Nitrobenzene	ND< 311
Bis (2-ethylhexyl) phthalate	ND< 311	2,4-Dinitrotoluene	ND< 311
2-Chloronaphthalene	ND< 311	2,6-Dinitrotoluene	ND< 311
Hexachlorobenzene	ND< 311	Bis (2-chloroethyl) ether	ND< 311
Hexachloroethane	ND< 311	Bis (2-chloroisopropyl) ether	ND< 311
Hexachlorocyclopentadiene	ND< 311	Bis (2-chloroethoxy) methan	ND< 311
Hexachlorobutadiene	ND< 311	4-Bromophenyl phenyl ether	ND< 311
N-Nitroso-di-n-propylamine	ND< 311	4-Chlorophenyl phenyl ether	ND< 311
N-Nitrosodiphenylamine	ND< 311	Benzidine	ND< 777
N-Nitrosodimethylamine	ND< 311	3,3'-Dichlorobenzidine	ND< 311
Isophorone	ND< 311	4-Chloroaniline	ND< 311
Benzyl alcohol	ND< 777	2-Nitroaniline	ND< 777
Dibenzofuran	ND< 311	3-Nitroaniline	ND< 777
2-Methylnaphthalene	ND< 311	4-Nitroaniline	ND< 777

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 311	2-Methylphenol	ND< 311
2-Chlorophenol	ND< 311	3&4-Methylphenol	ND< 311
2,4-Dichlorophenol	ND< 311	2,4-Dimethylphenol	ND< 311
2,6-Dichlorophenol	ND< 311	2-Nitrophenol	ND< 311
2,4,5-Trichlorophenol	ND< 777	4-Nitrophenol	ND< 777
2,4,6-Trichlorophenol	ND< 311	2,4-Dinitrophenol	ND< 777
Pentachlorophenol	ND< 777	4,6-Dinitro-2-methylphenol	ND< 777
4-Chloro-3-methylphenol	ND< 311	Benzoic acid	ND< 777

ELAP Number 10958

Method: EPA 8270C

Data File: S52018.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges**Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9628**Client Job Number:** FN050130**Field Location:** PE - 32**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/20/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 302	Dibenz (a,h) anthracene	ND< 302
Anthracene	ND< 302	Fluoranthene	ND< 302
Benzo (a) anthracene	ND< 302	Fluorene	ND< 302
Benzo (a) pyrene	ND< 302	Indeno (1,2,3-cd) pyrene	ND< 302
Benzo (b) fluoranthene	ND< 302	Naphthalene	ND< 302
Benzo (g,h,i) perylene	ND< 302	Phenanthrene	ND< 302
Benzo (k) fluoranthene	ND< 302	Pyrene	ND< 302
Chrysene	ND< 302	Acenaphthylene	ND< 302
Diethyl phthalate	ND< 302	1,2-Dichlorobenzene	ND< 302
Dimethyl phthalate	ND< 756	1,3-Dichlorobenzene	ND< 302
Butylbenzylphthalate	ND< 302	1,4-Dichlorobenzene	ND< 302
Di-n-butyl phthalate	ND< 302	1,2,4-Trichlorobenzene	ND< 302
Di-n-octylphthalate	ND< 302	Nitrobenzene	ND< 302
Bis (2-ethylhexyl) phthalate	ND< 302	2,4-Dinitrotoluene	ND< 302
2-Chloronaphthalene	ND< 302	2,6-Dinitrotoluene	ND< 302
Hexachlorobenzene	ND< 302	Bis (2-chloroethyl) ether	ND< 302
Hexachloroethane	ND< 302	Bis (2-chloroisopropyl) ether	ND< 302
Hexachlorocyclopentadiene	ND< 302	Bis (2-chloroethoxy) methan	ND< 302
Hexachlorobutadiene	ND< 302	4-Bromophenyl phenyl ether	ND< 302
N-Nitroso-di-n-propylamine	ND< 302	4-Chlorophenyl phenyl ether	ND< 302
N-Nitrosodiphenylamine	ND< 302	Benzidine	ND< 756
N-Nitrosodimethylamine	ND< 302	3,3'-Dichlorobenzidine	ND< 302
Isophorone	ND< 302	4-Chloroaniline	ND< 302
Benzyl alcohol	ND< 756	2-Nitroaniline	ND< 756
Dibenzofuran	ND< 302	3-Nitroaniline	ND< 756
2-Methylnaphthalene	ND< 302	4-Nitroaniline	ND< 756

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 302	2-Methylphenol	ND< 302
2-Chlorophenol	ND< 302	3&4-Methylphenol	ND< 302
2,4-Dichlorophenol	ND< 302	2,4-Dimethylphenol	ND< 302
2,6-Dichlorophenol	ND< 302	2-Nitrophenol	ND< 302
2,4,5-Trichlorophenol	ND< 756	4-Nitrophenol	ND< 756
2,4,6-Trichlorophenol	ND< 302	2,4-Dinitrophenol	ND< 756
Pentachlorophenol	ND< 756	4,6-Dinitro-2-methylphenol	ND< 756
4-Chloro-3-methylphenol	ND< 302	Benzoic acid	ND< 756

ELAP Number 10958

Method: EPA 8270C

Data File: S52019.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

102918U3.XLS



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/Sludges**Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9629**Client Job Number:** FN050130**Field Location:** PE - 33**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/20/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 320	Dibenz (a,h) anthracene	ND< 320
Anthracene	ND< 320	Fluoranthene	ND< 320
Benzo (a) anthracene	ND< 320	Fluorene	ND< 320
Benzo (a) pyrene	ND< 320	Indeno (1,2,3-cd) pyrene	ND< 320
Benzo (b) fluoranthene	ND< 320	Naphthalene	ND< 320
Benzo (g,h,i) perylene	ND< 320	Phenanthrene	ND< 320
Benzo (k) fluoranthene	ND< 320	Pyrene	ND< 320
Chrysene	ND< 320	Acenaphthylene	ND< 320
Diethyl phthalate	ND< 320	1,2-Dichlorobenzene	ND< 320
Dimethyl phthalate	ND< 801	1,3-Dichlorobenzene	ND< 320
Butylbenzylphthalate	ND< 320	1,4-Dichlorobenzene	ND< 320
Di-n-butyl phthalate	ND< 320	1,2,4-Trichlorobenzene	ND< 320
Di-n-octylphthalate	ND< 320	Nitrobenzene	ND< 320
Bis (2-ethylhexyl) phthalate	ND< 320	2,4-Dinitrotoluene	ND< 320
2-Chloronaphthalene	ND< 320	2,6-Dinitrotoluene	ND< 320
Hexachlorobenzene	ND< 320	Bis (2-chloroethyl) ether	ND< 320
Hexachloroethane	ND< 320	Bis (2-chloroisopropyl) ether	ND< 320
Hexachlorocyclopentadiene	ND< 320	Bis (2-chloroethoxy) methan	ND< 320
Hexachlorobutadiene	ND< 320	4-Bromophenyl phenyl ether	ND< 320
N-Nitroso-di-n-propylamine	ND< 320	4-Chlorophenyl phenyl ether	ND< 320
N-Nitrosodiphenylamine	ND< 320	Benzidine	ND< 801
N-Nitrosodimethylamine	ND< 320	3,3'-Dichlorobenzidine	ND< 320
Isophorone	ND< 320	4-Chloroaniline	ND< 320
Benzyl alcohol	ND< 801	2-Nitroaniline	ND< 801
Dibenzofuran	ND< 320	3-Nitroaniline	ND< 801
2-Methylnapthalene	ND< 320	4-Nitroaniline	ND< 801

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 320	2-Methylphenol	ND< 320
2-Chlorophenol	ND< 320	3&4-Methylphenol	ND< 320
2,4-Dichlorophenol	ND< 320	2,4-Dimethylphenol	ND< 320
2,6-Dichlorophenol	ND< 320	2-Nitrophenol	ND< 320
2,4,5-Trichlorophenol	ND< 801	4-Nitrophenol	ND< 801
2,4,6-Trichlorophenol	ND< 320	2,4-Dinitrophenol	ND< 801
Pentachlorophenol	ND< 801	4,6-Dinitro-2-methylphenol	ND< 801
4-Chloro-3-methylphenol	ND< 320	Benzoic acid	ND< 801

ELAP Number 10958

Method: EPA 8270C

Data File: S52020.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

102918U4.XLS

Semi-Volatile Analysis Report for Soils/Solids/Sludges

 Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9630

Client Job Number: FN050130

Field Location: PE - 34

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 300	Dibenz (a,h) anthracene	ND< 300
Anthracene	ND< 300	Fluoranthene	ND< 300
Benzo (a) anthracene	ND< 300	Fluorene	ND< 300
Benzo (a) pyrene	ND< 300	Indeno (1,2,3-cd) pyrene	ND< 300
Benzo (b) fluoranthene	ND< 300	Naphthalene	ND< 300
Benzo (g,h,i) perylene	ND< 300	Phenanthrene	ND< 300
Benzo (k) fluoranthene	ND< 300	Pyrene	ND< 300
Chrysene	ND< 300	Acenaphthylene	ND< 300
Diethyl phthalate	ND< 300	1,2-Dichlorobenzene	ND< 300
Dimethyl phthalate	ND< 751	1,3-Dichlorobenzene	ND< 300
Butylbenzylphthalate	ND< 300	1,4-Dichlorobenzene	ND< 300
Di-n-butyl phthalate	ND< 300	1,2,4-Trichlorobenzene	ND< 300
Di-n-octylphthalate	ND< 300	Nitrobenzene	ND< 300
Bis (2-ethylhexyl) phthalate	ND< 300	2,4-Dinitrotoluene	ND< 300
2-Chloronaphthalene	ND< 300	2,6-Dinitrotoluene	ND< 300
Hexachlorobenzene	ND< 300	Bis (2-chloroethyl) ether	ND< 300
Hexachloroethane	ND< 300	Bis (2-chloroisopropyl) ether	ND< 300
Hexachlorocyclopentadiene	ND< 300	Bis (2-chloroethoxy) methan	ND< 300
Hexachlorobutadiene	ND< 300	4-Bromophenyl phenyl ether	ND< 300
N-Nitroso-di-n-propylamine	ND< 300	4-Chlorophenyl phenyl ether	ND< 300
N-Nitrosodiphenylamine	ND< 300	Benzidine	ND< 751
N-Nitrosodimethylamine	ND< 300	3,3'-Dichlorobenzidine	ND< 300
Isophorone	ND< 300	4-Chloroaniline	ND< 300
Benzyl alcohol	ND< 751	2-Nitroaniline	ND< 751
Dibenzofuran	ND< 300	3-Nitroaniline	ND< 751
2-Methylnaphthalene	ND< 300	4-Nitroaniline	ND< 751

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 300	2-Methylphenol	ND< 300
2-Chlorophenol	ND< 300	3&4-Methylphenol	ND< 300
2,4-Dichlorophenol	ND< 300	2,4-Dimethylphenol	ND< 300
2,6-Dichlorophenol	ND< 300	2-Nitrophenol	ND< 300
2,4,5-Trichlorophenol	ND< 751	4-Nitrophenol	ND< 751
2,4,6-Trichlorophenol	ND< 300	2,4-Dinitrophenol	ND< 751
Pentachlorophenol	ND< 751	4,6-Dinitro-2-methylphenol	ND< 751
4-Chloro-3-methylphenol	ND< 300	Benzoic acid	ND< 751

ELAP Number 10958

Method: EPA 8270C

Data File: S52021.D

 Comments: ND denotes Non Detect
 ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9631

Client Job Number: FN050130

Field Location: PE - 35

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 302	Dibenz (a,h) anthracene	ND< 302
Anthracene	ND< 302	Fluoranthene	ND< 302
Benzo (a) anthracene	ND< 302	Fluorene	ND< 302
Benzo (a) pyrene	ND< 302	Indeno (1,2,3-cd) pyrene	ND< 302
Benzo (b) fluoranthene	ND< 302	Naphthalene	ND< 302
Benzo (g,h,i) perylene	ND< 302	Phenanthrene	ND< 302
Benzo (k) fluoranthene	ND< 302	Pyrene	ND< 302
Chrysene	ND< 302	Acenaphthylene	ND< 302
Diethyl phthalate	ND< 302	1,2-Dichlorobenzene	ND< 302
Dimethyl phthalate	ND< 756	1,3-Dichlorobenzene	ND< 302
Butylbenzylphthalate	ND< 302	1,4-Dichlorobenzene	ND< 302
Di-n-butyl phthalate	ND< 302	1,2,4-Trichlorobenzene	ND< 302
Di-n-octylphthalate	ND< 302	Nitrobenzene	ND< 302
Bis (2-ethylhexyl) phthalate	ND< 302	2,4-Dinitrotoluene	ND< 302
2-Chloronaphthalene	ND< 302	2,6-Dinitrotoluene	ND< 302
Hexachlorobenzene	ND< 302	Bis (2-chloroethyl) ether	ND< 302
Hexachloroethane	ND< 302	Bis (2-chloroisopropyl) ether	ND< 302
Hexachlorocyclopentadiene	ND< 302	Bis (2-chloroethoxy) methan	ND< 302
Hexachlorobutadiene	ND< 302	4-Bromophenyl phenyl ether	ND< 302
N-Nitroso-di-n-propylamine	ND< 302	4-Chlorophenyl phenyl ether	ND< 302
N-Nitrosodiphenylamine	ND< 302	Benzidine	ND< 756
N-Nitrosodimethylamine	ND< 302	3,3'-Dichlorobenzidine	ND< 302
Isophorone	ND< 302	4-Chloroaniline	ND< 302
Benzyl alcohol	ND< 756	2-Nitroaniline	ND< 756
Dibenzofuran	ND< 302	3-Nitroaniline	ND< 756
2-Methylnaphthalene	ND< 302	4-Nitroaniline	ND< 756

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 302	2-Methylphenol	ND< 302
2-Chlorophenol	ND< 302	3&4-Methylphenol	ND< 302
2,4-Dichlorophenol	ND< 302	2,4-Dimethylphenol	ND< 302
2,6-Dichlorophenol	ND< 302	2-Nitrophenol	ND< 302
2,4,5-Trichlorophenol	ND< 756	4-Nitrophenol	ND< 756
2,4,6-Trichlorophenol	ND< 302	2,4-Dinitrophenol	ND< 756
Pentachlorophenol	ND< 756	4,6-Dinitro-2-methylphenol	ND< 756
4-Chloro-3-methylphenol	ND< 302	Benzoic acid	ND< 756

ELAP Number 10958

Method: EPA 8270C

Data File: S52022.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: PE - 12

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 10-2918

Lab Sample Number: 9608

Date Sampled: 07/15/2010

Date Received: 07/16/2010

Date Analyzed: 07/20/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.89
Bromomethane	ND< 7.89
Bromoform	ND< 19.7
Carbon Tetrachloride	ND< 19.7
Chloroethane	ND< 7.89
Chloromethane	ND< 7.89
2-Chloroethyl vinyl Ether	ND< 39.4
Chloroform	ND< 7.89
Dibromochloromethane	ND< 7.89
1,1-Dichloroethane	ND< 7.89
1,2-Dichloroethane	ND< 7.89
1,1-Dichloroethene	ND< 7.89
cis-1,2-Dichloroethene	ND< 7.89
trans-1,2-Dichloroethene	ND< 7.89
1,2-Dichloropropane	ND< 7.89
cis-1,3-Dichloropropene	ND< 7.89
trans-1,3-Dichloropropene	ND< 7.89
Methylene chloride	ND< 19.7
1,1,2,2-Tetrachloroethane	ND< 7.89
Tetrachloroethene	ND< 7.89
1,1,1-Trichloroethane	ND< 7.89
1,1,2-Trichloroethane	ND< 7.89
Trichloroethene	ND< 7.89
Trichlorofluoromethane	ND< 7.89
Vinyl chloride	ND< 7.89

Aromatics	Results in ug / Kg
Benzene	ND< 7.89
Chlorobenzene	ND< 7.89
Ethylbenzene	ND< 7.89
Toluene	ND< 7.89
m,p-Xylene	ND< 7.89
o-Xylene	ND< 7.89
Styrene	ND< 19.7
1,2-Dichlorobenzene	ND< 19.7
1,3-Dichlorobenzene	ND< 19.7
1,4-Dichlorobenzene	ND< 7.89

Ketones	Results in ug / Kg
Acetone	ND< 39.4
2-Butanone	ND< 39.4
2-Hexanone	ND< 19.7
4-Methyl-2-pentanone	ND< 19.7

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 7.89
Vinyl acetate	ND< 19.7

ELAP Number 10958

Method: EPA 8260B

Data File: V76795.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)****Client: Conrad Geoscience****Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9608**Client Job Number:** FN050130**Field Location:** PE - 12**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/20/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 39.4	1,2,4-Trimethylbenzene	ND< 7.89
sec-Butylbenzene	ND< 7.89	1,3,5-Trimethylbenzene	ND< 7.89
tert-Butylbenzene	ND< 19.7		
n-Propylbenzene	ND< 7.89	Miscellaneous	
Isopropylbenzene	ND< 39.4	Methyl tert-butyl Ether	ND< 7.89
p-Isopropyltoluene	ND< 39.4		
Naphthalene	ND< 19.7		

ELAP Number 10958

Method: EPA 8260B

Data File: V76795.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9609

Client Job Number: FN050130

Field Location: PE - 13

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.35
Bromomethane	ND< 8.35
Bromoform	ND< 20.9
Carbon Tetrachloride	ND< 20.9
Chloroethane	ND< 8.35
Chloromethane	ND< 8.35
2-Chloroethyl vinyl Ether	ND< 41.8
Chloroform	ND< 8.35
Dibromochloromethane	ND< 8.35
1,1-Dichloroethane	ND< 8.35
1,2-Dichloroethane	ND< 8.35
1,1-Dichloroethene	ND< 8.35
cis-1,2-Dichloroethene	ND< 8.35
trans-1,2-Dichloroethene	ND< 8.35
1,2-Dichloropropane	ND< 8.35
cis-1,3-Dichloropropene	ND< 8.35
trans-1,3-Dichloropropene	ND< 8.35
Methylene chloride	ND< 20.9
1,1,2,2-Tetrachloroethane	ND< 8.35
Tetrachloroethene	ND< 8.35
1,1,1-Trichloroethane	ND< 8.35
1,1,2-Trichloroethane	ND< 8.35
Trichloroethene	ND< 8.35
Trichlorofluoromethane	ND< 8.35
Vinyl chloride	ND< 8.35

Aromatics	Results in ug / Kg
Benzene	ND< 8.35
Chlorobenzene	ND< 8.35
Ethylbenzene	ND< 8.35
Toluene	ND< 8.35
m,p-Xylene	ND< 8.35
o-Xylene	ND< 8.35
Styrene	ND< 20.9
1,2-Dichlorobenzene	ND< 20.9
1,3-Dichlorobenzene	ND< 20.9
1,4-Dichlorobenzene	ND< 8.35

Ketones	Results in ug / Kg
Acetone	ND< 41.8
2-Butanone	ND< 41.8
2-Hexanone	ND< 20.9
4-Methyl-2-pentanone	ND< 20.9

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 8.35
Vinyl acetate	ND< 20.9

ELAP Number 10958

Method: EPA 8260B

Data File: V76796.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9609

Client Job Number: FN050130

Field Location: PE - 13

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 41.8	1,2,4-Trimethylbenzene	ND< 8.35
sec-Butylbenzene	ND< 8.35	1,3,5-Trimethylbenzene	ND< 8.35
tert-Butylbenzene	ND< 20.9		
n-Propylbenzene	ND< 8.35	Miscellaneous	
Isopropylbenzene	ND< 41.8	Methyl tert-butyl Ether	ND< 8.35
p-Isopropyltoluene	ND< 41.8		
Naphthalene	ND< 20.9		

ELAP Number 10958

Method: EPA 8260B

Data File: V76796.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9610

Client Job Number: FN050130

Field Location: PE - 14

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.68
Bromomethane	ND< 7.68
Bromoform	ND< 19.2
Carbon Tetrachloride	ND< 19.2
Chloroethane	ND< 7.68
Chloromethane	ND< 7.68
2-Chloroethyl vinyl Ether	ND< 38.4
Chloroform	ND< 7.68
Dibromochloromethane	ND< 7.68
1,1-Dichloroethane	ND< 7.68
1,2-Dichloroethane	ND< 7.68
1,1-Dichloroethene	ND< 7.68
cis-1,2-Dichloroethene	ND< 7.68
trans-1,2-Dichloroethene	ND< 7.68
1,2-Dichloropropane	ND< 7.68
cis-1,3-Dichloropropene	ND< 7.68
trans-1,3-Dichloropropene	ND< 7.68
Methylene chloride	ND< 19.2
1,1,2,2-Tetrachloroethane	ND< 7.68
Tetrachloroethene	ND< 7.68
1,1,1-Trichloroethane	ND< 7.68
1,1,2-Trichloroethane	ND< 7.68
Trichloroethene	ND< 7.68
Trichlorofluoromethane	ND< 7.68
Vinyl chloride	ND< 7.68

Aromatics	Results in ug / Kg
Benzene	ND< 7.68
Chlorobenzene	ND< 7.68
Ethylbenzene	ND< 7.68
Toluene	ND< 7.68
m,p-Xylene	ND< 7.68
o-Xylene	ND< 7.68
Styrene	ND< 19.2
1,2-Dichlorobenzene	ND< 19.2
1,3-Dichlorobenzene	ND< 19.2
1,4-Dichlorobenzene	ND< 7.68

Ketones	Results in ug / Kg
Acetone	ND< 38.4
2-Butanone	ND< 38.4
2-Hexanone	ND< 19.2
4-Methyl-2-pentanone	ND< 19.2

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 7.68
Vinyl acetate	ND< 19.2

ELAP Number 10958

Method: EPA 8260B

Data File: V76797.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9610

Client Job Number: FN050130

Field Location: PE - 14

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 38.4	1,2,4-Trimethylbenzene	ND< 7.68
sec-Butylbenzene	ND< 7.68	1,3,5-Trimethylbenzene	ND< 7.68
tert-Butylbenzene	ND< 19.2		
n-Propylbenzene	ND< 7.68	Miscellaneous	
Isopropylbenzene	ND< 38.4	Methyl tert-butyl Ether	ND< 7.68
p-Isopropyltoluene	ND< 38.4		
Naphthalene	ND< 19.2		

ELAP Number 10958

Method: EPA 8260B

Data File: V76797.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: PE - 15

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 10-2918

Lab Sample Number: 9611

Date Sampled: 07/15/2010

Date Received: 07/16/2010

Date Analyzed: 07/20/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.4
Bromomethane	ND< 10.4
Bromoform	ND< 26.0
Carbon Tetrachloride	ND< 26.0
Chloroethane	ND< 10.4
Chloromethane	ND< 10.4
2-Chloroethyl vinyl Ether	ND< 52.1
Chloroform	ND< 10.4
Dibromochloromethane	ND< 10.4
1,1-Dichloroethane	ND< 10.4
1,2-Dichloroethane	ND< 10.4
1,1-Dichloroethene	ND< 10.4
cis-1,2-Dichloroethene	ND< 10.4
trans-1,2-Dichloroethene	ND< 10.4
1,2-Dichloropropane	ND< 10.4
cis-1,3-Dichloropropene	ND< 10.4
trans-1,3-Dichloropropene	ND< 10.4
Methylene chloride	ND< 26.0
1,1,2,2-Tetrachloroethane	ND< 10.4
Tetrachloroethene	ND< 10.4
1,1,1-Trichloroethane	ND< 10.4
1,1,2-Trichloroethane	ND< 10.4
Trichloroethene	ND< 10.4
Trichlorofluoromethane	ND< 10.4
Vinyl chloride	ND< 10.4

Aromatics	Results in ug / Kg
Benzene	ND< 10.4
Chlorobenzene	ND< 10.4
Ethylbenzene	ND< 10.4
Toluene	ND< 10.4
m,p-Xylene	ND< 10.4
o-Xylene	ND< 10.4
Styrene	ND< 26.0
1,2-Dichlorobenzene	ND< 26.0
1,3-Dichlorobenzene	ND< 26.0
1,4-Dichlorobenzene	ND< 10.4

Ketones	Results in ug / Kg
Acetone	ND< 52.1
2-Butanone	ND< 52.1
2-Hexanone	ND< 26.0
4-Methyl-2-pentanone	ND< 26.0

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 10.4
Vinyl acetate	ND< 26.0

ELAP Number 10958

Method: EPA 8260B

Data File: V76798.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9611

Client Job Number: FN050130

Field Location: PE - 15

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 52.1	1,2,4-Trimethylbenzene	ND< 10.4
sec-Butylbenzene	ND< 10.4	1,3,5-Trimethylbenzene	ND< 10.4
tert-Butylbenzene	ND< 26.0		
n-Propylbenzene	ND< 10.4	Miscellaneous	
Isopropylbenzene	ND< 52.1	Methyl tert-butyl Ether	ND< 10.4
p-Isopropyltoluene	ND< 52.1		
Naphthalene	ND< 26.0		

ELAP Number 10958

Method: EPA 8260B

Data File: V76798.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9612

Client Job Number: FN050130

Field Location: PE - 16

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 6.58
Bromomethane	ND< 6.58
Bromoform	ND< 16.5
Carbon Tetrachloride	ND< 16.5
Chloroethane	ND< 6.58
Chloromethane	ND< 6.58
2-Chloroethyl vinyl Ether	ND< 32.9
Chloroform	ND< 6.58
Dibromochloromethane	ND< 6.58
1,1-Dichloroethane	ND< 6.58
1,2-Dichloroethane	ND< 6.58
1,1-Dichloroethene	ND< 6.58
cis-1,2-Dichloroethene	ND< 6.58
trans-1,2-Dichloroethene	ND< 6.58
1,2-Dichloropropane	ND< 6.58
cis-1,3-Dichloropropene	ND< 6.58
trans-1,3-Dichloropropene	ND< 6.58
Methylene chloride	ND< 16.5
1,1,2,2-Tetrachloroethane	ND< 6.58
Tetrachloroethene	ND< 6.58
1,1,1-Trichloroethane	ND< 6.58
1,1,2-Trichloroethane	ND< 6.58
Trichloroethene	ND< 6.58
Trichlorofluoromethane	ND< 6.58
Vinyl chloride	ND< 6.58

Aromatics	Results in ug / Kg
Benzene	ND< 6.58
Chlorobenzene	ND< 6.58
Ethylbenzene	ND< 6.58
Toluene	ND< 6.58
m,p-Xylene	ND< 6.58
o-Xylene	ND< 6.58
Styrene	ND< 16.5
1,2-Dichlorobenzene	ND< 16.5
1,3-Dichlorobenzene	ND< 16.5
1,4-Dichlorobenzene	ND< 6.58

Ketones	Results in ug / Kg
Acetone	ND< 32.9
2-Butanone	ND< 32.9
2-Hexanone	ND< 16.5
4-Methyl-2-pentanone	ND< 16.5

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 6.58
Vinyl acetate	ND< 16.5

ELAP Number 10958

Method: EPA 8260B

Data File: V76799.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9612**Client Job Number:** FN050130**Field Location:** PE - 16**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/20/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 32.9	1,2,4-Trimethylbenzene	ND< 6.58
sec-Butylbenzene	ND< 6.58	1,3,5-Trimethylbenzene	ND< 6.58
tert-Butylbenzene	ND< 16.5		
n-Propylbenzene	ND< 6.58	Miscellaneous	
Isopropylbenzene	ND< 32.9	Methyl tert-butyl Ether	ND< 6.58
p-Isopropyltoluene	ND< 32.9		
Naphthalene	ND< 16.5		

ELAP Number 10958

Method: EPA 8260B

Data File: V76799.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9613

Client Job Number: FN050130

Field Location: PE - 17

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 6.64
Bromomethane	ND< 6.64
Bromoform	ND< 16.6
Carbon Tetrachloride	ND< 16.6
Chloroethane	ND< 6.64
Chloromethane	ND< 6.64
2-Chloroethyl vinyl Ether	ND< 33.2
Chloroform	ND< 6.64
Dibromochloromethane	ND< 6.64
1,1-Dichloroethane	ND< 6.64
1,2-Dichloroethane	ND< 6.64
1,1-Dichloroethene	ND< 6.64
cis-1,2-Dichloroethene	ND< 6.64
trans-1,2-Dichloroethene	ND< 6.64
1,2-Dichloropropane	ND< 6.64
cis-1,3-Dichloropropene	ND< 6.64
trans-1,3-Dichloropropene	ND< 6.64
Methylene chloride	ND< 16.6
1,1,2,2-Tetrachloroethane	ND< 6.64
Tetrachloroethene	ND< 6.64
1,1,1-Trichloroethane	ND< 6.64
1,1,2-Trichloroethane	ND< 6.64
Trichloroethene	ND< 6.64
Trichlorofluoromethane	ND< 6.64
Vinyl chloride	ND< 6.64

Aromatics	Results in ug / Kg
Benzene	ND< 6.64
Chlorobenzene	ND< 6.64
Ethylbenzene	ND< 6.64
Toluene	ND< 6.64
m,p-Xylene	ND< 6.64
o-Xylene	ND< 6.64
Styrene	ND< 16.6
1,2-Dichlorobenzene	ND< 16.6
1,3-Dichlorobenzene	ND< 16.6
1,4-Dichlorobenzene	ND< 6.64

Ketones	Results in ug / Kg
Acetone	ND< 33.2
2-Butanone	ND< 33.2
2-Hexanone	ND< 16.6
4-Methyl-2-pentanone	ND< 16.6

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 6.64
Vinyl acetate	ND< 16.6

ELAP Number 10958

Method: EPA 8260B

Data File: V76800.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9613

Client Job Number: FN050130

Field Location: PE - 17

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 33.2	1,2,4-Trimethylbenzene	ND< 6.64
sec-Butylbenzene	ND< 6.64	1,3,5-Trimethylbenzene	ND< 6.64
tert-Butylbenzene	ND< 16.6		
n-Propylbenzene	ND< 6.64	Miscellaneous	
Isopropylbenzene	ND< 33.2	Methyl tert-butyl Ether	ND< 6.64
p-Isopropyltoluene	ND< 33.2		
Naphthalene	ND< 16.6		

ELAP Number 10958

Method: EPA 8260B

Data File: V76800.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9614

Client Job Number: FN050130

Field Location: PE - 18

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.56
Bromomethane	ND< 8.56
Bromoform	ND< 21.4
Carbon Tetrachloride	ND< 21.4
Chloroethane	ND< 8.56
Chloromethane	ND< 8.56
2-Chloroethyl vinyl Ether	ND< 42.8
Chloroform	ND< 8.56
Dibromochloromethane	ND< 8.56
1,1-Dichloroethane	ND< 8.56
1,2-Dichloroethane	ND< 8.56
1,1-Dichloroethene	ND< 8.56
cis-1,2-Dichloroethene	ND< 8.56
trans-1,2-Dichloroethene	ND< 8.56
1,2-Dichloropropane	ND< 8.56
cis-1,3-Dichloropropene	ND< 8.56
trans-1,3-Dichloropropene	ND< 8.56
Methylene chloride	ND< 21.4
1,1,2,2-Tetrachloroethane	ND< 8.56
Tetrachloroethene	ND< 8.56
1,1,1-Trichloroethane	ND< 8.56
1,1,2-Trichloroethane	ND< 8.56
Trichloroethene	ND< 8.56
Trichlorofluoromethane	ND< 8.56
Vinyl chloride	ND< 8.56

Aromatics	Results in ug / Kg
Benzene	ND< 8.56
Chlorobenzene	ND< 8.56
Ethylbenzene	ND< 8.56
Toluene	ND< 8.56
m,p-Xylene	ND< 8.56
o-Xylene	ND< 8.56
Styrene	ND< 21.4
1,2-Dichlorobenzene	ND< 21.4
1,3-Dichlorobenzene	ND< 21.4
1,4-Dichlorobenzene	ND< 8.56

Ketones	Results in ug / Kg
Acetone	ND< 42.8
2-Butanone	ND< 42.8
2-Hexanone	ND< 21.4
4-Methyl-2-pentanone	ND< 21.4

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 8.56
Vinyl acetate	ND< 21.4

ELAP Number 10958

Method: EPA 8260B

Data File: V76801.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Matrix Spike outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9614**Client Job Number:** FN050130**Field Location:** PE - 18**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/20/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 42.8	1,2,4-Trimethylbenzene	ND< 8.56
sec-Butylbenzene	ND< 8.56	1,3,5-Trimethylbenzene	ND< 8.56
tert-Butylbenzene	ND< 21.4		
n-Propylbenzene	ND< 8.56	Miscellaneous	
Isopropylbenzene	ND< 42.8	Methyl tert-butyl Ether	ND< 8.56
p-Isopropyltoluene	ND< 42.8		
Naphthalene	ND< 21.4		

ELAP Number 10958

Method: EPA 8260B

Data File: V76801.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Matrix Spike outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: PE - 19

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 10-2918

Lab Sample Number: 9615

Date Sampled: 07/15/2010

Date Received: 07/16/2010

Date Analyzed: 07/20/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.63
Bromomethane	ND< 9.63
Bromoform	ND< 24.1
Carbon Tetrachloride	ND< 24.1
Chloroethane	ND< 9.63
Chloromethane	ND< 9.63
2-Chloroethyl vinyl Ether	ND< 48.2
Chloroform	ND< 9.63
Dibromochloromethane	ND< 9.63
1,1-Dichloroethane	ND< 9.63
1,2-Dichloroethane	ND< 9.63
1,1-Dichloroethene	ND< 9.63
cis-1,2-Dichloroethene	ND< 9.63
trans-1,2-Dichloroethene	ND< 9.63
1,2-Dichloropropane	ND< 9.63
cis-1,3-Dichloropropene	ND< 9.63
trans-1,3-Dichloropropene	ND< 9.63
Methylene chloride	ND< 24.1
1,1,2,2-Tetrachloroethane	ND< 9.63
Tetrachloroethene	ND< 9.63
1,1,1-Trichloroethane	ND< 9.63
1,1,2-Trichloroethane	ND< 9.63
Trichloroethene	ND< 9.63
Trichlorofluoromethane	ND< 9.63
Vinyl chloride	ND< 9.63

Aromatics	Results in ug / Kg
Benzene	ND< 9.63
Chlorobenzene	ND< 9.63
Ethylbenzene	ND< 9.63
Toluene	ND< 9.63
m,p-Xylene	ND< 9.63
o-Xylene	ND< 9.63
Styrene	ND< 24.1
1,2-Dichlorobenzene	ND< 24.1
1,3-Dichlorobenzene	ND< 24.1
1,4-Dichlorobenzene	ND< 9.63

Ketones	Results in ug / Kg
Acetone	ND< 48.2
2-Butanone	ND< 48.2
2-Hexanone	ND< 24.1
4-Methyl-2-pentanone	ND< 24.1

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 9.63
Vinyl acetate	ND< 24.1

ELAP Number 10958

Method: EPA 8260B

Data File: V76802.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9615

Client Job Number: FN050130

Field Location: PE - 19

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 48.2	1,2,4-Trimethylbenzene	ND< 9.63
sec-Butylbenzene	ND< 9.63	1,3,5-Trimethylbenzene	ND< 9.63
tert-Butylbenzene	ND< 24.1		
n-Propylbenzene	ND< 9.63	Miscellaneous	
Isopropylbenzene	ND< 48.2	Methyl tert-butyl Ether	ND< 9.63
p-Isopropyltoluene	ND< 48.2		
Naphthalene	ND< 24.1		

ELAP Number 10958

Method: EPA 8260B

Data File: V76802.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9616

Client Job Number: FN050130

Field Location: PE - 20

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.08
Bromomethane	ND< 8.08
Bromoform	ND< 20.2
Carbon Tetrachloride	ND< 20.2
Chloroethane	ND< 8.08
Chloromethane	ND< 8.08
2-Chloroethyl vinyl Ether	ND< 40.4
Chloroform	ND< 8.08
Dibromochloromethane	ND< 8.08
1,1-Dichloroethane	ND< 8.08
1,2-Dichloroethane	ND< 8.08
1,1-Dichloroethene	ND< 8.08
cis-1,2-Dichloroethene	ND< 8.08
trans-1,2-Dichloroethene	ND< 8.08
1,2-Dichloropropane	ND< 8.08
cis-1,3-Dichloropropene	ND< 8.08
trans-1,3-Dichloropropene	ND< 8.08
Methylene chloride	ND< 20.2
1,1,2,2-Tetrachloroethane	ND< 8.08
Tetrachloroethene	ND< 8.08
1,1,1-Trichloroethane	ND< 8.08
1,1,2-Trichloroethane	ND< 8.08
Trichloroethene	ND< 8.08
Trichlorofluoromethane	ND< 8.08
Vinyl chloride	ND< 8.08

Aromatics	Results in ug / Kg
Benzene	ND< 8.08
Chlorobenzene	ND< 8.08
Ethylbenzene	ND< 8.08
Toluene	ND< 8.08
m,p-Xylene	ND< 8.08
o-Xylene	ND< 8.08
Styrene	ND< 20.2
1,2-Dichlorobenzene	ND< 20.2
1,3-Dichlorobenzene	ND< 20.2
1,4-Dichlorobenzene	ND< 8.08

Ketones	Results in ug / Kg
Acetone	ND< 40.4
2-Butanone	ND< 40.4
2-Hexanone	ND< 20.2
4-Methyl-2-pentanone	ND< 20.2

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 8.08
Vinyl acetate	ND< 20.2

ELAP Number 10958

Method: EPA 8260B

Data File: V76829.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9616

Client Job Number: FN050130

Field Location: PE - 20

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 40.4	1,2,4-Trimethylbenzene	ND< 8.08
sec-Butylbenzene	ND< 8.08	1,3,5-Trimethylbenzene	ND< 8.08
tert-Butylbenzene	ND< 20.2		
n-Propylbenzene	ND< 8.08	Miscellaneous	
Isopropylbenzene	ND< 40.4	Methyl tert-butyl Ether	ND< 8.08
p-Isopropyltoluene	ND< 40.4		
Naphthalene	ND< 20.2		

ELAP Number 10958

Method: EPA 8260B

Data File: V76829.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9617**Client Job Number:** FN050130**Field Location:** PE - 21**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/20/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 11.2
Bromomethane	ND< 11.2
Bromoform	ND< 28.0
Carbon Tetrachloride	ND< 28.0
Chloroethane	ND< 11.2
Chloromethane	ND< 11.2
2-Chloroethyl vinyl Ether	ND< 56.0
Chloroform	ND< 11.2
Dibromochloromethane	ND< 11.2
1,1-Dichloroethane	ND< 11.2
1,2-Dichloroethane	ND< 11.2
1,1-Dichloroethene	ND< 11.2
cis-1,2-Dichloroethene	ND< 11.2
trans-1,2-Dichloroethene	ND< 11.2
1,2-Dichloropropane	ND< 11.2
cis-1,3-Dichloropropene	ND< 11.2
trans-1,3-Dichloropropene	ND< 11.2
Methylene chloride	ND< 28.0
1,1,2,2-Tetrachloroethane	ND< 11.2
Tetrachloroethene	ND< 11.2
1,1,1-Trichloroethane	ND< 11.2
1,1,2-Trichloroethane	ND< 11.2
Trichloroethene	ND< 11.2
Trichlorofluoromethane	ND< 11.2
Vinyl chloride	ND< 11.2

Aromatics	Results in ug / Kg
Benzene	ND< 11.2
Chlorobenzene	ND< 11.2
Ethylbenzene	ND< 11.2
Toluene	ND< 11.2
m,p-Xylene	ND< 11.2
o-Xylene	ND< 11.2
Styrene	ND< 28.0
1,2-Dichlorobenzene	ND< 28.0
1,3-Dichlorobenzene	ND< 28.0
1,4-Dichlorobenzene	ND< 11.2

Ketones	Results in ug / Kg
Acetone	ND< 56.0
2-Butanone	ND< 56.0
2-Hexanone	ND< 28.0
4-Methyl-2-pentanone	ND< 28.0

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 11.2
Vinyl acetate	ND< 28.0

ELAP Number 10958

Method: EPA 8260B

Data File: V76830.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9617

Client Job Number: FN050130

Field Location: PE - 21

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/20/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 56.0	1,2,4-Trimethylbenzene	ND< 11.2
sec-Butylbenzene	ND< 11.2	1,3,5-Trimethylbenzene	ND< 11.2
tert-Butylbenzene	ND< 28.0		
n-Propylbenzene	ND< 11.2	Miscellaneous	
Isopropylbenzene	ND< 56.0	Methyl tert-butyl Ether	ND< 11.2
p-Isopropyltoluene	ND< 56.0		
Naphthalene	ND< 28.0		

ELAP Number 10958

Method: EPA 8260B

Data File: V76830.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9618

Client Job Number: FN050130

Field Location: PE - 22

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.06
Bromomethane	ND< 9.06
Bromoform	ND< 22.6
Carbon Tetrachloride	ND< 22.6
Chloroethane	ND< 9.06
Chloromethane	ND< 9.06
2-Chloroethyl vinyl Ether	ND< 45.3
Chloroform	ND< 9.06
Dibromochloromethane	ND< 9.06
1,1-Dichloroethane	ND< 9.06
1,2-Dichloroethane	ND< 9.06
1,1-Dichloroethene	ND< 9.06
cis-1,2-Dichloroethene	ND< 9.06
trans-1,2-Dichloroethene	ND< 9.06
1,2-Dichloropropane	ND< 9.06
cis-1,3-Dichloropropene	ND< 9.06
trans-1,3-Dichloropropene	ND< 9.06
Methylene chloride	ND< 22.6
1,1,2,2-Tetrachloroethane	ND< 9.06
Tetrachloroethene	ND< 9.06
1,1,1-Trichloroethane	ND< 9.06
1,1,2-Trichloroethane	ND< 9.06
Trichloroethene	ND< 9.06
Trichlorofluoromethane	ND< 9.06
Vinyl chloride	ND< 9.06

Aromatics	Results in ug / Kg
Benzene	ND< 9.06
Chlorobenzene	ND< 9.06
Ethylbenzene	ND< 9.06
Toluene	ND< 9.06
m,p-Xylene	ND< 9.06
o-Xylene	ND< 9.06
Styrene	ND< 22.6
1,2-Dichlorobenzene	ND< 22.6
1,3-Dichlorobenzene	ND< 22.6
1,4-Dichlorobenzene	ND< 9.06

Ketones	Results in ug / Kg
Acetone	ND< 45.3
2-Butanone	ND< 45.3
2-Hexanone	ND< 22.6
4-Methyl-2-pentanone	ND< 22.6

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 9.06
Vinyl acetate	ND< 22.6

ELAP Number 10958

Method: EPA 8260B

Data File: V76833.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9618

Client Job Number: FN050130

Field Location: PE - 22

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 45.3	1,2,4-Trimethylbenzene	ND< 9.06
sec-Butylbenzene	ND< 9.06	1,3,5-Trimethylbenzene	ND< 9.06
tert-Butylbenzene	ND< 22.6		
n-Propylbenzene	ND< 9.06	Miscellaneous	
Isopropylbenzene	ND< 45.3	Methyl tert-butyl Ether	ND< 9.06
p-Isopropyltoluene	ND< 45.3		
Naphthalene	ND< 22.6		

ELAP Number 10958

Method: EPA 8260B

Data File: V76833.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger, Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9619

Client Job Number: FN050130

Field Location: PE - 23

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.47
Bromomethane	ND< 7.47
Bromoform	ND< 18.7
Carbon Tetrachloride	ND< 18.7
Chloroethane	ND< 7.47
Chloromethane	ND< 7.47
2-Chloroethyl vinyl Ether	ND< 37.3
Chloroform	ND< 7.47
Dibromochloromethane	ND< 7.47
1,1-Dichloroethane	ND< 7.47
1,2-Dichloroethane	ND< 7.47
1,1-Dichloroethene	ND< 7.47
cis-1,2-Dichloroethene	ND< 7.47
trans-1,2-Dichloroethene	ND< 7.47
1,2-Dichloropropane	ND< 7.47
cis-1,3-Dichloropropene	ND< 7.47
trans-1,3-Dichloropropene	ND< 7.47
Methylene chloride	ND< 18.7
1,1,2,2-Tetrachloroethane	ND< 7.47
Tetrachloroethene	ND< 7.47
1,1,1-Trichloroethane	ND< 7.47
1,1,2-Trichloroethane	ND< 7.47
Trichloroethene	ND< 7.47
Trichlorofluoromethane	ND< 7.47
Vinyl chloride	ND< 7.47

Aromatics	Results in ug / Kg
Benzene	ND< 7.47
Chlorobenzene	ND< 7.47
Ethylbenzene	ND< 7.47
Toluene	ND< 7.47
m,p-Xylene	ND< 7.47
o-Xylene	ND< 7.47
Styrene	ND< 18.7
1,2-Dichlorobenzene	ND< 18.7
1,3-Dichlorobenzene	ND< 18.7
1,4-Dichlorobenzene	ND< 7.47

Ketones	Results in ug / Kg
Acetone	ND< 37.3
2-Butanone	ND< 37.3
2-Hexanone	ND< 18.7
4-Methyl-2-pentanone	ND< 18.7

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 7.47
Vinyl acetate	ND< 18.7

ELAP Number 10958

Method: EPA 8260B

Data File: V76834.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9619

Client Job Number: FN050130

Field Location: PE - 23

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 37.3	1,2,4-Trimethylbenzene	ND< 7.47
sec-Butylbenzene	ND< 7.47	1,3,5-Trimethylbenzene	ND< 7.47
tert-Butylbenzene	ND< 18.7		
n-Propylbenzene	ND< 7.47	Miscellaneous	
Isopropylbenzene	ND< 37.3	Methyl tert-butyl Ether	ND< 7.47
p-Isopropyltoluene	ND< 37.3		
Naphthalene	ND< 18.7		

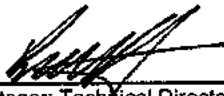
ELAP Number 10958

Method: EPA 8260B

Data File: V76834.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: PE - 24

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 10-2918

Lab Sample Number: 9620

Date Sampled: 07/15/2010

Date Received: 07/16/2010

Date Analyzed: 07/21/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.28
Bromomethane	ND< 9.28
Bromoform	ND< 23.2
Carbon Tetrachloride	ND< 23.2
Chloroethane	ND< 9.28
Chloromethane	ND< 9.28
2-Chloroethyl vinyl Ether	ND< 46.4
Chloroform	ND< 9.28
Dibromochloromethane	ND< 9.28
1,1-Dichloroethane	ND< 9.28
1,2-Dichloroethane	ND< 9.28
1,1-Dichloroethene	ND< 9.28
cis-1,2-Dichloroethene	ND< 9.28
trans-1,2-Dichloroethene	ND< 9.28
1,2-Dichloropropane	ND< 9.28
cis-1,3-Dichloropropene	ND< 9.28
trans-1,3-Dichloropropene	ND< 9.28
Methylene chloride	ND< 23.2
1,1,2,2-Tetrachloroethane	ND< 9.28
Tetrachloroethene	ND< 9.28
1,1,1-Trichloroethane	ND< 9.28
1,1,2-Trichloroethane	ND< 9.28
Trichloroethene	ND< 9.28
Trichlorofluoromethane	ND< 9.28
Vinyl chloride	ND< 9.28

Aromatics	Results in ug / Kg
Benzene	ND< 9.28
Chlorobenzene	ND< 9.28
Ethylbenzene	ND< 9.28
Toluene	ND< 9.28
m,p-Xylene	ND< 9.28
o-Xylene	ND< 9.28
Styrene	ND< 23.2
1,2-Dichlorobenzene	ND< 23.2
1,3-Dichlorobenzene	ND< 23.2
1,4-Dichlorobenzene	ND< 9.28

Ketones	Results in ug / Kg
Acetone	ND< 46.4
2-Butanone	ND< 46.4
2-Hexanone	ND< 23.2
4-Methyl-2-pentanone	ND< 23.2

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 9.28
Vinyl acetate	ND< 23.2

ELAP Number 10958

Method: EPA 8260B

Data File: V76835.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9620**Client Job Number:** FN050130**Field Location:** PE - 24**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/21/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 46.4	1,2,4-Trimethylbenzene	ND< 9.28
sec-Butylbenzene	ND< 9.28	1,3,5-Trimethylbenzene	ND< 9.28
tert-Butylbenzene	ND< 23.2		
n-Propylbenzene	ND< 9.28	Miscellaneous	
Isopropylbenzene	ND< 46.4	Methyl tert-butyl Ether	ND< 9.28
p-Isopropyltoluene	ND< 46.4		
Naphthalene	ND< 23.2		

ELAP Number 10958

Method: EPA 8260B

Data File: V76835.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Volatile Analysis Report for Soils/Solids/Sludges**Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9621**Client Job Number:** FN050130**Field Location:** PE - 25**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/21/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.01
Bromomethane	ND< 9.01
Bromoform	ND< 22.5
Carbon Tetrachloride	ND< 22.5
Chloroethane	ND< 9.01
Chloromethane	ND< 9.01
2-Chloroethyl vinyl Ether	ND< 45.0
Chloroform	ND< 9.01
Dibromochloromethane	ND< 9.01
1,1-Dichloroethane	ND< 9.01
1,2-Dichloroethane	ND< 9.01
1,1-Dichloroethene	ND< 9.01
cis-1,2-Dichloroethene	ND< 9.01
trans-1,2-Dichloroethene	ND< 9.01
1,2-Dichloropropane	ND< 9.01
cis-1,3-Dichloropropene	ND< 9.01
trans-1,3-Dichloropropene	ND< 9.01
Methylene chloride	ND< 22.5
1,1,2,2-Tetrachloroethane	ND< 9.01
Tetrachloroethene	ND< 9.01
1,1,1-Trichloroethane	ND< 9.01
1,1,2-Trichloroethane	ND< 9.01
Trichloroethene	ND< 9.01
Trichlorofluoromethane	ND< 9.01
Vinyl chloride	ND< 9.01

Aromatics	Results in ug / Kg
Benzene	ND< 9.01
Chlorobenzene	ND< 9.01
Ethylbenzene	ND< 9.01
Toluene	ND< 9.01
m,p-Xylene	ND< 9.01
o-Xylene	ND< 9.01
Styrene	ND< 22.5
1,2-Dichlorobenzene	ND< 22.5
1,3-Dichlorobenzene	ND< 22.5
1,4-Dichlorobenzene	ND< 9.01

Ketones	Results in ug / Kg
Acetone	ND< 45.0
2-Butanone	ND< 45.0
2-Hexanone	ND< 22.5
4-Methyl-2-pentanone	ND< 22.5

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 9.01
Vinyl acetate	ND< 22.5

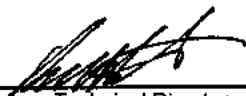
ELAP Number 10958

Method: EPA 8260B

Data File: V76836.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger, Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9621

Client Job Number: FN050130

Field Location: PE - 25

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 45.0	1,2,4-Trimethylbenzene	ND< 9.01
sec-Butylbenzene	ND< 9.01	1,3,5-Trimethylbenzene	ND< 9.01
tert-Butylbenzene	ND< 22.5		
n-Propylbenzene	ND< 9.01	Miscellaneous	
Isopropylbenzene	ND< 45.0	Methyl tert-butyl Ether	ND< 9.01
p-Isopropyltoluene	ND< 45.0		
Naphthalene	ND< 22.5		

ELAP Number 10958

Method: EPA 8260B

Data File: V76836.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9622

Client Job Number: FN050130

Field Location: PE - 26

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.99
Bromomethane	ND< 7.99
Bromoform	ND< 20.0
Carbon Tetrachloride	ND< 20.0
Chloroethane	ND< 7.99
Chloromethane	ND< 7.99
2-Chloroethyl vinyl Ether	ND< 40.0
Chloroform	ND< 7.99
Dibromochloromethane	ND< 7.99
1,1-Dichloroethane	ND< 7.99
1,2-Dichloroethane	ND< 7.99
1,1-Dichloroethene	ND< 7.99
cis-1,2-Dichloroethene	ND< 7.99
trans-1,2-Dichloroethene	ND< 7.99
1,2-Dichloropropane	ND< 7.99
cis-1,3-Dichloropropene	ND< 7.99
trans-1,3-Dichloropropene	ND< 7.99
Methylene chloride	ND< 20.0
1,1,2,2-Tetrachloroethane	ND< 7.99
Tetrachloroethene	12.0
1,1,1-Trichloroethane	ND< 7.99
1,1,2-Trichloroethane	ND< 7.99
Trichloroethene	ND< 7.99
Trichlorofluoromethane	ND< 7.99
Vinyl chloride	ND< 7.99

Aromatics	Results in ug / Kg
Benzene	ND< 7.99
Chlorobenzene	ND< 7.99
Ethylbenzene	ND< 7.99
Toluene	ND< 7.99
m,p-Xylene	ND< 7.99
o-Xylene	ND< 7.99
Styrene	ND< 20.0
1,2-Dichlorobenzene	ND< 20.0
1,3-Dichlorobenzene	ND< 20.0
1,4-Dichlorobenzene	ND< 7.99

Ketones	Results in ug / Kg
Acetone	ND< 40.0
2-Butanone	ND< 40.0
2-Hexanone	ND< 20.0
4-Methyl-2-pentanone	ND< 20.0

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 7.99
Vinyl acetate	ND< 20.0

ELAP Number 10958

Method: EPA 8260B

Data File: V76861.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9622

Client Job Number: FN050130

Field Location: PE - 26

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 40.0	1,2,4-Trimethylbenzene	ND< 7.99
sec-Butylbenzene	ND< 7.99	1,3,5-Trimethylbenzene	ND< 7.99
tert-Butylbenzene	ND< 20.0		
n-Propylbenzene	ND< 7.99	Miscellaneous	
Isopropylbenzene	ND< 40.0	Methyl tert-butyl Ether	ND< 7.99
p-Isopropyltoluene	ND< 40.0		
Naphthalene	ND< 20.0		

ELAP Number 10958

Method: EPA 8260B

Data File: V76861.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: PE - 27

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 10-2918

Lab Sample Number: 9623

Date Sampled: 07/15/2010

Date Received: 07/16/2010

Date Analyzed: 07/21/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.36
Bromomethane	ND< 8.36
Bromoform	ND< 20.9
Carbon Tetrachloride	ND< 20.9
Chloroethane	ND< 8.36
Chloromethane	ND< 8.36
2-Chloroethyl vinyl Ether	ND< 41.8
Chloroform	ND< 8.36
Dibromochloromethane	ND< 8.36
1,1-Dichloroethane	ND< 8.36
1,2-Dichloroethane	ND< 8.36
1,1-Dichloroethene	ND< 8.36
cis-1,2-Dichloroethene	ND< 8.36
trans-1,2-Dichloroethene	ND< 8.36
1,2-Dichloropropane	ND< 8.36
cis-1,3-Dichloropropene	ND< 8.36
trans-1,3-Dichloropropene	ND< 8.36
Methylene chloride	ND< 20.9
1,1,2,2-Tetrachloroethane	ND< 8.36
Tetrachloroethene	ND< 8.36
1,1,1-Trichloroethane	ND< 8.36
1,1,2-Trichloroethane	ND< 8.36
Trichloroethene	ND< 8.36
Trichlorofluoromethane	ND< 8.36
Vinyl chloride	ND< 8.36

ELAP Number 10958

Method: EPA 8260B

Aromatics	Results in ug / Kg
Benzene	ND< 8.36
Chlorobenzene	ND< 8.36
Ethylbenzene	ND< 8.36
Toluene	ND< 8.36
m,p-Xylene	ND< 8.36
o-Xylene	ND< 8.36
Styrene	ND< 20.9
1,2-Dichlorobenzene	ND< 20.9
1,3-Dichlorobenzene	ND< 20.9
1,4-Dichlorobenzene	ND< 8.36

Ketones	Results in ug / Kg
Acetone	ND< 41.8
2-Butanone	ND< 41.8
2-Hexanone	ND< 20.9
4-Methyl-2-pentanone	ND< 20.9

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 8.36
Vinyl acetate	ND< 20.9

Data File: V76862.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9623**Client Job Number:** FN050130**Field Location:** PE - 27**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/21/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 41.8	1,2,4-Trimethylbenzene	ND< 8.36
sec-Butylbenzene	ND< 8.36	1,3,5-Trimethylbenzene	ND< 8.36
tert-Butylbenzene	ND< 20.9		
n-Propylbenzene	ND< 8.36	Miscellaneous	
Isopropylbenzene	ND< 41.8	Methyl tert-butyl Ether	ND< 8.36
p-Isopropyltoluene	ND< 41.8		
Naphthalene	ND< 20.9		

ELAP Number 10958

Method: EPA 8260B

Data File: V76862.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:
Bruce Hoogesteger: Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9624

Client Job Number: FN050130

Field Location: PE - 28

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.83
Bromomethane	ND< 7.83
Bromoform	ND< 19.6
Carbon Tetrachloride	ND< 19.6
Chloroethane	ND< 7.83
Chloromethane	ND< 7.83
2-Chloroethyl vinyl Ether	ND< 39.2
Chloroform	ND< 7.83
Dibromochloromethane	ND< 7.83
1,1-Dichloroethane	ND< 7.83
1,2-Dichloroethane	ND< 7.83
1,1-Dichloroethene	ND< 7.83
cis-1,2-Dichloroethene	ND< 7.83
trans-1,2-Dichloroethene	ND< 7.83
1,2-Dichloropropane	ND< 7.83
cis-1,3-Dichloropropene	ND< 7.83
trans-1,3-Dichloropropene	ND< 7.83
Methylene chloride	ND< 19.6
1,1,2,2-Tetrachloroethane	ND< 7.83
Tetrachloroethene	ND< 7.83
1,1,1-Trichloroethane	ND< 7.83
1,1,2-Trichloroethane	ND< 7.83
Trichloroethene	ND< 7.83
Trichlorofluoromethane	ND< 7.83
Vinyl chloride	ND< 7.83

Aromatics	Results in ug / Kg
Benzene	ND< 7.83
Chlorobenzene	ND< 7.83
Ethylbenzene	ND< 7.83
Toluene	ND< 7.83
m,p-Xylene	ND< 7.83
o-Xylene	ND< 7.83
Styrene	ND< 19.6
1,2-Dichlorobenzene	ND< 19.6
1,3-Dichlorobenzene	ND< 19.6
1,4-Dichlorobenzene	ND< 7.83

Ketones	Results in ug / Kg
Acetone	ND< 39.2
2-Butanone	ND< 39.2
2-Hexanone	ND< 19.6
4-Methyl-2-pentanone	ND< 19.6

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 7.83
Vinyl acetate	ND< 19.6

ELAP Number 10958

Method: EPA 8260B

Data File: V76863.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9624

Client Job Number: FN050130

Field Location: PE - 28

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 39.2	1,2,4-Trimethylbenzene	ND< 7.83
sec-Butylbenzene	ND< 7.83	1,3,5-Trimethylbenzene	ND< 7.83
tert-Butylbenzene	ND< 19.6		
n-Propylbenzene	ND< 7.83	Miscellaneous	
Isopropylbenzene	ND< 39.2	Methyl tert-butyl Ether	ND< 7.83
p-Isopropyltoluene	ND< 39.2		
Naphthalene	ND< 19.6		

ELAP Number 10958

Method: EPA 8260B

Data File: V76863.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger, Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9625

Client Job Number: FN050130

Field Location: PE - 29

Date Sampled: 07/15/2010

Date Received: 07/16/2010

Field ID Number: N/A

Date Analyzed: 07/21/2010

Sample Type: Soil

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.63
Bromomethane	ND< 7.63
Bromoform	ND< 19.1
Carbon Tetrachloride	ND< 19.1
Chloroethane	ND< 7.63
Chloromethane	ND< 7.63
2-Chloroethyl vinyl Ether	ND< 38.2
Chloroform	ND< 7.63
Dibromochloromethane	ND< 7.63
1,1-Dichloroethane	ND< 7.63
1,2-Dichloroethane	ND< 7.63
1,1-Dichloroethene	ND< 7.63
cis-1,2-Dichloroethene	ND< 7.63
trans-1,2-Dichloroethene	ND< 7.63
1,2-Dichloropropane	ND< 7.63
cis-1,3-Dichloropropene	ND< 7.63
trans-1,3-Dichloropropene	ND< 7.63
Methylene chloride	ND< 19.1
1,1,2,2-Tetrachloroethane	ND< 7.63
Tetrachloroethene	8.70
1,1,1-Trichloroethane	ND< 7.63
1,1,2-Trichloroethane	ND< 7.63
Trichloroethene	ND< 7.63
Trichlorofluoromethane	ND< 7.63
Vinyl chloride	ND< 7.63

Aromatics	Results in ug / Kg
Benzene	ND< 7.63
Chlorobenzene	ND< 7.63
Ethylbenzene	ND< 7.63
Toluene	ND< 7.63
m,p-Xylene	ND< 7.63
o-Xylene	ND< 7.63
Styrene	ND< 19.1
1,2-Dichlorobenzene	ND< 19.1
1,3-Dichlorobenzene	ND< 19.1
1,4-Dichlorobenzene	ND< 7.63

Ketones	Results in ug / Kg
Acetone	ND< 38.2
2-Butanone	ND< 38.2
2-Hexanone	ND< 19.1
4-Methyl-2-pentanone	ND< 19.1

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 7.63
Vinyl acetate	ND< 19.1

ELAP Number 10958

Method: EPA 8260B

Data File: V76864.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9625

Client Job Number: FN050130

Field Location: PE - 29

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 38.2	1,2,4-Trimethylbenzene	ND< 7.63
sec-Butylbenzene	ND< 7.63	1,3,5-Trimethylbenzene	ND< 7.63
tert-Butylbenzene	ND< 19.1		
n-Propylbenzene	ND< 7.63	Miscellaneous	
Isopropylbenzene	ND< 38.2	Methyl tert-butyl Ether	ND< 7.63
p-Isopropyltoluene	ND< 38.2		
Naphthalene	ND< 19.1		

ELAP Number 10958

Method: EPA 8260B

Data File: V76864.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: PE - 30

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 10-2918

Lab Sample Number: 9626

Date Sampled: 07/15/2010

Date Received: 07/16/2010

Date Analyzed: 07/21/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.21
Bromomethane	ND< 7.21
Bromoform	ND< 18.0
Carbon Tetrachloride	ND< 18.0
Chloroethane	ND< 7.21
Chloromethane	ND< 7.21
2-Chloroethyl vinyl Ether	ND< 36.1
Chloroform	ND< 7.21
Dibromochloromethane	ND< 7.21
1,1-Dichloroethane	ND< 7.21
1,2-Dichloroethane	ND< 7.21
1,1-Dichloroethene	ND< 7.21
cis-1,2-Dichloroethene	ND< 7.21
trans-1,2-Dichloroethene	ND< 7.21
1,2-Dichloropropane	ND< 7.21
cis-1,3-Dichloropropene	ND< 7.21
trans-1,3-Dichloropropene	ND< 7.21
Methylene chloride	ND< 18.0
1,1,2,2-Tetrachloroethane	ND< 7.21
Tetrachloroethene	ND< 7.21
1,1,1-Trichloroethane	ND< 7.21
1,1,2-Trichloroethane	ND< 7.21
Trichloroethene	ND< 7.21
Trichlorofluoromethane	ND< 7.21
Vinyl chloride	ND< 7.21

Aromatics	Results in ug / Kg
Benzene	ND< 7.21
Chlorobenzene	ND< 7.21
Ethylbenzene	ND< 7.21
Toluene	ND< 7.21
m,p-Xylene	ND< 7.21
o-Xylene	ND< 7.21
Styrene	ND< 18.0
1,2-Dichlorobenzene	ND< 18.0
1,3-Dichlorobenzene	ND< 18.0
1,4-Dichlorobenzene	ND< 7.21

Ketones	Results in ug / Kg
Acetone	ND< 36.1
2-Butanone	ND< 36.1
2-Hexanone	ND< 18.0
4-Methyl-2-pentanone	ND< 18.0

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 7.21
Vinyl acetate	ND< 18.0

ELAP Number 10958

Method: EPA 8260B

Data File: V76865.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9626

Client Job Number: FN050130

Field Location: PE - 30

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 36.1	1,2,4-Trimethylbenzene	ND< 7.21
sec-Butylbenzene	ND< 7.21	1,3,5-Trimethylbenzene	ND< 7.21
tert-Butylbenzene	ND< 18.0		
n-Propylbenzene	ND< 7.21	Miscellaneous	
Isopropylbenzene	ND< 36.1	Methyl tert-butyl Ether	ND< 7.21
p-Isopropyltoluene	ND< 36.1		
Naphthalene	ND< 18.0		

ELAP Number 10958

Method: EPA 8260B

Data File: V76865.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo**Lab Project Number:** 10-2918**Lab Sample Number:** 9627**Client Job Number:** FN050130**Field Location:** PE - 31**Date Sampled:** 07/15/2010**Field ID Number:** N/A**Date Received:** 07/16/2010**Sample Type:** Soil**Date Analyzed:** 07/21/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.74
Bromomethane	ND< 9.74
Bromoform	ND< 24.3
Carbon Tetrachloride	ND< 24.3
Chloroethane	ND< 9.74
Chloromethane	ND< 9.74
2-Chloroethyl vinyl Ether	ND< 48.7
Chloroform	ND< 9.74
Dibromochloromethane	ND< 9.74
1,1-Dichloroethane	ND< 9.74
1,2-Dichloroethane	ND< 9.74
1,1-Dichloroethene	ND< 9.74
cis-1,2-Dichloroethene	ND< 9.74
trans-1,2-Dichloroethene	ND< 9.74
1,2-Dichloropropane	ND< 9.74
cis-1,3-Dichloropropene	ND< 9.74
trans-1,3-Dichloropropene	ND< 9.74
Methylene chloride	ND< 24.3
1,1,2,2-Tetrachloroethane	ND< 9.74
Tetrachloroethene	ND< 9.74
1,1,1-Trichloroethane	ND< 9.74
1,1,2-Trichloroethane	ND< 9.74
Trichloroethene	ND< 9.74
Trichlorofluoromethane	ND< 9.74
Vinyl chloride	ND< 9.74

Aromatics	Results in ug / Kg
Benzene	ND< 9.74
Chlorobenzene	ND< 9.74
Ethylbenzene	ND< 9.74
Toluene	ND< 9.74
m,p-Xylene	ND< 9.74
o-Xylene	ND< 9.74
Styrene	ND< 24.3
1,2-Dichlorobenzene	ND< 24.3
1,3-Dichlorobenzene	ND< 24.3
1,4-Dichlorobenzene	ND< 9.74

Ketones	Results in ug / Kg
Acetone	ND< 48.7
2-Butanone	ND< 48.7
2-Hexanone	ND< 24.3
4-Methyl-2-pentanone	ND< 24.3

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 9.74
Vinyl acetate	ND< 24.3

ELAP Number 10958

Method: EPA 8260B

Data File: V76866.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9627

Client Job Number: FN050130

Field Location: PE - 31

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

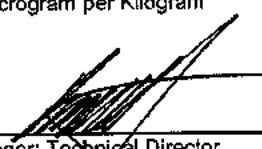
Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 48.7	1,2,4-Trimethylbenzene	ND< 9.74
sec-Butylbenzene	ND< 9.74	1,3,5-Trimethylbenzene	ND< 9.74
tert-Butylbenzene	ND< 24.3		
n-Propylbenzene	ND< 9.74	Miscellaneous	
Isopropylbenzene	ND< 48.7	Methyl tert-butyl Ether	ND< 9.74
p-Isopropyltoluene	ND< 48.7		
Naphthalene	ND< 24.3		

ELAP Number 10958

Method: EPA 8260B

Data File: V76866.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger: Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: PE - 32

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 10-2918

Lab Sample Number: 9628

Date Sampled: 07/15/2010

Date Received: 07/16/2010

Date Analyzed: 07/21/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.33
Bromomethane	ND< 7.33
Bromoform	ND< 18.3
Carbon Tetrachloride	ND< 18.3
Chloroethane	ND< 7.33
Chloromethane	ND< 7.33
2-Chloroethyl vinyl Ether	ND< 36.6
Chloroform	ND< 7.33
Dibromochloromethane	ND< 7.33
1,1-Dichloroethane	ND< 7.33
1,2-Dichloroethane	ND< 7.33
1,1-Dichloroethene	ND< 7.33
cis-1,2-Dichloroethene	ND< 7.33
trans-1,2-Dichloroethene	ND< 7.33
1,2-Dichloropropane	ND< 7.33
cis-1,3-Dichloropropene	ND< 7.33
trans-1,3-Dichloropropene	ND< 7.33
Methylene chloride	ND< 18.3
1,1,2,2-Tetrachloroethane	ND< 7.33
Tetrachloroethene	7.33
1,1,1-Trichloroethane	ND< 7.33
1,1,2-Trichloroethane	ND< 7.33
Trichloroethene	ND< 7.33
Trichlorofluoromethane	ND< 7.33
Vinyl chloride	ND< 7.33

Aromatics	Results in ug / Kg
Benzene	ND< 7.33
Chlorobenzene	ND< 7.33
Ethylbenzene	ND< 7.33
Toluene	ND< 7.33
m,p-Xylene	ND< 7.33
o-Xylene	ND< 7.33
Styrene	ND< 18.3
1,2-Dichlorobenzene	ND< 18.3
1,3-Dichlorobenzene	ND< 18.3
1,4-Dichlorobenzene	ND< 7.33

Ketones	Results in ug / Kg
Acetone	ND< 36.6
2-Butanone	ND< 36.6
2-Hexanone	ND< 18.3
4-Methyl-2-pentanone	ND< 18.3

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 7.33
Vinyl acetate	ND< 18.3

ELAP Number 10958

Method: EPA 8260B

Data File: V76867.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9628

Client Job Number: FN050130

Field Location: PE - 32

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 36.6	1,2,4-Trimethylbenzene	ND< 7.33
sec-Butylbenzene	ND< 7.33	1,3,5-Trimethylbenzene	ND< 7.33
tert-Butylbenzene	ND< 18.3		
n-Propylbenzene	ND< 7.33	Miscellaneous	
Isopropylbenzene	ND< 36.6	Methyl tert-butyl Ether	ND< 7.33
p-Isopropyltoluene	ND< 36.6		
Naphthalene	ND< 18.3		

ELAP Number 10958

Method: EPA 8260B

Data File: V76867.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger, Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9629

Client Job Number: FN050130

Field Location: PE - 33

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.52
Bromomethane	ND< 7.52
Bromoform	ND< 18.8
Carbon Tetrachloride	ND< 18.8
Chloroethane	ND< 7.52
Chloromethane	ND< 7.52
2-Chloroethyl vinyl Ether	ND< 37.6
Chloroform	ND< 7.52
Dibromochloromethane	ND< 7.52
1,1-Dichloroethane	ND< 7.52
1,2-Dichloroethane	ND< 7.52
1,1-Dichloroethene	ND< 7.52
cis-1,2-Dichloroethene	ND< 7.52
trans-1,2-Dichloroethene	ND< 7.52
1,2-Dichloropropane	ND< 7.52
cis-1,3-Dichloropropene	ND< 7.52
trans-1,3-Dichloropropene	ND< 7.52
Methylene chloride	ND< 18.8
1,1,2,2-Tetrachloroethane	ND< 7.52
Tetrachloroethene	ND< 7.52
1,1,1-Trichloroethane	ND< 7.52
1,1,2-Trichloroethane	ND< 7.52
Trichloroethene	ND< 7.52
Trichlorofluoromethane	ND< 7.52
Vinyl chloride	ND< 7.52

Aromatics	Results in ug / Kg
Benzene	ND< 7.52
Chlorobenzene	ND< 7.52
Ethylbenzene	ND< 7.52
Toluene	ND< 7.52
m,p-Xylene	ND< 7.52
o-Xylene	ND< 7.52
Styrene	ND< 18.8
1,2-Dichlorobenzene	ND< 18.8
1,3-Dichlorobenzene	ND< 18.8
1,4-Dichlorobenzene	ND< 7.52

Ketones	Results in ug / Kg
Acetone	ND< 37.6
2-Butanone	ND< 37.6
2-Hexanone	ND< 18.8
4-Methyl-2-pentanone	ND< 18.8

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 7.52
Vinyl acetate	ND< 18.8

ELAP Number 10958

Method: EPA 8260B

Data File: V76868.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9629

Client Job Number: FN060130

Field Location: PE - 33

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 37.6	1,2,4-Trimethylbenzene	ND< 7.52
sec-Butylbenzene	ND< 7.52	1,3,5-Trimethylbenzene	ND< 7.52
tert-Butylbenzene	ND< 18.8		
n-Propylbenzene	ND< 7.52	Miscellaneous	
Isopropylbenzene	ND< 37.6	Methyl tert-butyl Ether	ND< 7.52
p-Isopropyltoluene	ND< 37.6		
Naphthalene	ND< 18.8		

ELAP Number 10958

Method: EPA 8260B

Data File: V76868.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: PE - 34

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 10-2918

Lab Sample Number: 9630

Date Sampled: 07/15/2010

Date Received: 07/16/2010

Date Analyzed: 07/21/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 6.74
Bromomethane	ND< 6.74
Bromoform	ND< 16.8
Carbon Tetrachloride	ND< 16.8
Chloroethane	ND< 6.74
Chloromethane	ND< 6.74
2-Chloroethyl vinyl Ether	ND< 33.7
Chloroform	ND< 6.74
Dibromochloromethane	ND< 6.74
1,1-Dichloroethane	ND< 6.74
1,2-Dichloroethane	ND< 6.74
1,1-Dichloroethene	ND< 6.74
cis-1,2-Dichloroethene	ND< 6.74
trans-1,2-Dichloroethene	ND< 6.74
1,2-Dichloropropane	ND< 6.74
cis-1,3-Dichloropropene	ND< 6.74
trans-1,3-Dichloropropene	ND< 6.74
Methylene chloride	ND< 16.8
1,1,2,2-Tetrachloroethane	ND< 6.74
Tetrachloroethene	ND< 6.74
1,1,1-Trichloroethane	ND< 6.74
1,1,2-Trichloroethane	ND< 6.74
Trichloroethene	ND< 6.74
Trichlorofluoromethane	ND< 6.74
Vinyl chloride	ND< 6.74

Aromatics	Results in ug / Kg
Benzene	ND< 6.74
Chlorobenzene	ND< 6.74
Ethylbenzene	ND< 6.74
Toluene	ND< 6.74
m,p-Xylene	ND< 6.74
o-Xylene	ND< 6.74
Styrene	ND< 16.8
1,2-Dichlorobenzene	ND< 16.8
1,3-Dichlorobenzene	ND< 16.8
1,4-Dichlorobenzene	ND< 6.74

Ketones	Results in ug / Kg
Acetone	ND< 33.7
2-Butanone	ND< 33.7
2-Hexanone	ND< 16.8
4-Methyl-2-pentanone	ND< 16.8

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 6.74
Vinyl acetate	ND< 16.8

ELAP Number 10958

Method: EPA 8260B

Data File: V76869.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9630

Client Job Number: FN050130

Field Location: PE - 34

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 33.7	1,2,4-Trimethylbenzene	ND< 6.74
sec-Butylbenzene	ND< 6.74	1,3,5-Trimethylbenzene	ND< 6.74
tert-Butylbenzene	ND< 16.8		
n-Propylbenzene	ND< 6.74	Miscellaneous	
Isopropylbenzene	ND< 33.7	Methyl tert-butyl Ether	ND< 6.74
p-Isopropyltoluene	ND< 33.7		
Naphthalene	ND< 16.8		

ELAP Number 10958

Method: EPA 8260B

Data File: V76869.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: PE - 35

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 10-2918

Lab Sample Number: 9631

Date Sampled: 07/15/2010

Date Received: 07/16/2010

Date Analyzed: 07/21/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 6.37
Bromomethane	ND< 6.37
Bromoform	ND< 15.9
Carbon Tetrachloride	ND< 15.9
Chloroethane	ND< 6.37
Chloromethane	ND< 6.37
2-Chloroethyl vinyl Ether	ND< 31.9
Chloroform	ND< 6.37
Dibromochloromethane	ND< 6.37
1,1-Dichloroethane	ND< 6.37
1,2-Dichloroethane	ND< 6.37
1,1-Dichloroethene	ND< 6.37
cis-1,2-Dichloroethene	ND< 6.37
trans-1,2-Dichloroethene	ND< 6.37
1,2-Dichloropropane	ND< 6.37
cis-1,3-Dichloropropene	ND< 6.37
trans-1,3-Dichloropropene	ND< 6.37
Methylene chloride	ND< 15.9
1,1,2,2-Tetrachloroethane	ND< 6.37
Tetrachloroethene	12.1
1,1,1-Trichloroethane	ND< 6.37
1,1,2-Trichloroethane	ND< 6.37
Trichloroethene	ND< 6.37
Trichlorofluoromethane	ND< 6.37
Vinyl chloride	ND< 6.37

Aromatics	Results in ug / Kg
Benzene	ND< 6.37
Chlorobenzene	ND< 6.37
Ethylbenzene	ND< 6.37
Toluene	ND< 6.37
m,p-Xylene	ND< 6.37
o-Xylene	ND< 6.37
Styrene	ND< 15.9
1,2-Dichlorobenzene	ND< 15.9
1,3-Dichlorobenzene	ND< 15.9
1,4-Dichlorobenzene	ND< 6.37

Ketones	Results in ug / Kg
Acetone	ND< 31.9
2-Butanone	ND< 31.9
2-Hexanone	ND< 15.9
4-Methyl-2-pentanone	ND< 15.9

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 6.37
Vinyl acetate	ND< 15.9

ELAP Number 10958

Method: EPA 8260B

Data File: V76870.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 10-2918

Lab Sample Number: 9631

Client Job Number: FN050130

Field Location: PE - 35

Date Sampled: 07/15/2010

Field ID Number: N/A

Date Received: 07/16/2010

Sample Type: Soil

Date Analyzed: 07/21/2010

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 31.9	1,2,4-Trimethylbenzene	ND< 6.37
sec-Butylbenzene	ND< 6.37	1,3,5-Trimethylbenzene	ND< 6.37
tert-Butylbenzene	ND< 15.9		
n-Propylbenzene	ND< 6.37	Miscellaneous	
Isopropylbenzene	ND< 31.9	Methyl tert-butyl Ether	ND< 6.37
p-Isopropyltoluene	ND< 31.9		
Naphthalene	ND< 15.9		

ELAP Number 10958

Method: EPA 8260B

Data File: V76870.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger, Technical Director

CHAIN OF CUSTODY

2 of 3
copied email from W.S. Ed C. Hine

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

REPORT TO

INVOICE TO

COMPANY: Conrad Geoservice

COMPANY: State of New York

LAB PROJECT #:

CLIENT PROJECT #:

ADDRESS: 2 Civic Center Plaza Side Sq

ADDRESS: 101 South Plank Rd.

10-2918

PARADOX

CITY: Rochester STATE: NY ZIP: 14601

CITY: Newburgh STATE: NY ZIP: 12550

TURNAROUND TIME (WORKING DAYS)

PHONE: 845-484-2544 FAX:

PHONE:

STD ☒ 5 OTHER ☐

PROJECT NAME/SITE NAME: HT Davis EN050120

ATTN: M.H. Tenchell

ATTN:

QUOTE #:

REQUESTED ANALYSIS

DATE	TIME	COMPOSITION	GRADES	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
7/15/10	1615		X	PE-22	Soil	1	Full Vecs 9260 Full SWCs 8270 13 PP Metals PCBs Pesticides Total Cyanide Hexachlorine	96118
	1618			PE-23				96119
	1621			PE-24				96220
	1624			PE-25				96221
	1627			PE-26				96222
	1630			PE-27				96223
	1633			PE-28				96224
	1636			PE-29				96225
	1639			PE-30				96226
	1642			PE-31				96227

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter

Container Type: ☒ Y ☐ N

Preservation: N/A ☒ Y ☐ N

Holding Time: ☒ Y ☐ N

Temperature: 60°Ciced ☒ Y ☐ N

Sampled By: [Signature] Date/Time: 7/15/10 1654

Relinquished By: [Signature] Date/Time: 7/15/10 1800

Received By: Elizabeth A. Honck Date/Time: 7/16/10 1450

Received @ Lab By: [Signature] Date/Time:

Total Cost:

P.L.F.

**PARADIGM
ENVIRONMENTAL
SERVICES, INC.**

PHOTO

INVOICE TO

3 4 5 6 7 8 9 10 11 12
as per email from 10.5.11

PROJECT NAME/SITE NAME:

F47 Dango F1008350

COMMENTS: 1st return cooler

ATTN:

1 2

Ω X Ω

MS070809A

[illegible]

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☐	N ☐
Comments:	N/A	
Holding Time:	Y ☒	N ☐
Comments:		
Temperature:	Y ☒	N ☐
Comments:	6°Ciced	

Received By	Date/Time	Total Cost:
Received @ Lab By	Date/Time	
Received By	Date/Time	Total Cost:
Received @ Lab By	Date/Time	



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 10-3136

Issued August 9, 2010

Re-Issued August 13, 2010

This report contains a total of 10 pages

This project has been supplemented to include additional STARS compounds with the Volatile report and Barium with the Metals report, per client request.

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



179 Lake Avenue Rochester New York 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience
Client Job Site: F&T Darrigo Newburgh
Client Job No.: FN050130
Field Location: PE-28B

Lab Project No.: 10-3136
Lab Sample No.: 10428
Sample Type: Soil
Date Sampled: 7/29/2010
Date Received: 8/2/2010

Laboratory Report of Analysis

Parameter	Date Analyzed	Analytical Method	Results (ug/g)
Total Cyanide	7/29/2010	SW 9012	ND<0.50
Hexavalent Chromium	8/3/2010	SW 7196A Mod.	ND<0.4

ELAP ID.No.: 10709

Comments: ND denotes Non Detect.

Approved By Technical Director: _____

Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

File ID: Conrad 10-3136



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

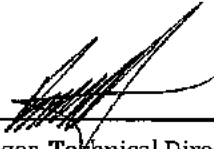
Client: Conrad Geoscience
Client Job Site: F&T Darrigo Newburgh
Client Job No.: FN050130
Field Location: PE-28B
Field ID No.: N/A

Lab Project No.: 10-3136
Lab Sample No.: 10428
Sample Type: Soil
Date Sampled: 07/29/2010
Date Received: 08/02/2010
Date Reissued: 08/12/2010

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	08/09/2010	SW846 6010	<6.06
Arsenic	08/09/2010	SW846 6010	6.92
Barium	08/09/2010	SW846 6010	67.5
Beryllium	08/09/2010	SW846 6010	0.638
Cadmium	08/09/2010	SW846 6010	<0.505
Chromium	08/09/2010	SW846 6010	18.5
Copper	08/09/2010	SW846 6010	23.7
Lead	08/09/2010	SW846 6010	8.79 B
Mercury	08/04/2010	SW846 7471	0.0266 D
Nickel	08/09/2010	SW846 6010	23.7
Selenium	08/09/2010	SW846 6010	<0.505
Silver	08/09/2010	SW846 6010	<1.01
Thallium	08/09/2010	SW846 6010	<0.606
Zinc	08/09/2010	SW846 6010	65.5

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

File ID:103136.xls

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR PRIORITY POLLUTANT METALS ANALYSIS IN SOLID

Client: Conrad Geoscience

Lab Project No.: 10-3136
Lab Sample No.: Method Blank

Client Job Site: F&T Darrigo Newburgh

Sample Type: Solid

Client Job No.: FN050130

Date Sampled: N/A
Date Received: N/A
Date Reissued: 08/12/2010

Field Location: N/A

Field ID No.: N/A

[illegible]

ELAP ID No.:10958

Comments:

Approved By:

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. File ID: 103136.xls

**PCB Analysis Report for Soils/Solids/Sludges**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo Newburgh

Lab Project Number: 10-3136

Lab Sample Number: 10428

Client Job Number: FN050130

Field Location: PE-28B

Date Sampled: 07/29/2010

Field ID Number: N/A

Date Received: 08/02/2010

Sample Type: Soil

Date Analyzed: 08/03/2010

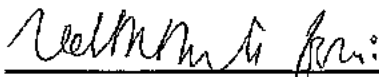
PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.321
Aroclor 1221	ND< 0.321
Aroclor 1232	ND< 0.321
Aroclor 1242	ND< 0.321
Aroclor 1248	ND< 0.321
Aroclor 1254	ND< 0.321
Aroclor 1260	ND< 0.321

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature:


Bruce Hoogesteger, Technical Director

**Pesticide Analysis Report for Soils/Solids/Sludges**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo Newburgh

Lab Project Number: 10-3136

Client Job Number: FN050130

Lab Sample Number: 10428

Field Location: PE-28B

Date Sampled: 07/29/2010

Field ID Number: N/A

Date Received: 08/02/2010

Sample Type: Soil

Date Analyzed: 08/04/2010

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.11
alpha-BHC	ND< 3.11
beta-BHC	ND< 3.11
delta-BHC	ND< 3.11
gamma-BHC	ND< 3.11
alpha-Chlordane	ND< 3.11
gamma-Chlordane	ND< 3.11
4,4'-DDD	ND< 3.11
4,4'-DDE	ND< 3.11
4,4'-DDT	ND< 3.11
Dieldrin	ND< 3.11
Endosulfan I	ND< 3.11
Endosulfan II	ND< 3.11
Endosulfan Sulfate	ND< 3.11
Endrin	ND< 3.11
Endrin Aldehyde	ND< 3.11
Endrin Ketone	ND< 3.11
Heptachlor	ND< 3.11
Heptachlor Epoxide	ND< 3.11
Methoxychlor	ND< 3.11
Toxaphene	ND< 155

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

 Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo Newburgh

Lab Project Number: 10-3136

Lab Sample Number: 10428

Client Job Number: FN050130

Field Location: PE-28B

Date Sampled: 07/29/2010

Field ID Number: N/A

Date Received: 08/02/2010

Sample Type: Soil

Date Analyzed: 08/03/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 309	Dibenz (a,h) anthracene	ND< 309
Anthracene	ND< 309	Fluoranthene	ND< 309
Benzo (a) anthracene	ND< 309	Fluorene	ND< 309
Benzo (a) pyrene	ND< 309	Indeno (1,2,3-cd) pyrene	ND< 309
Benzo (b) fluoranthene	ND< 309	Naphthalene	ND< 309
Benzo (g,h,i) perylene	ND< 309	Phenanthrene	ND< 309
Benzo (k) fluoranthene	ND< 309	Pyrene	ND< 309
Chrysene	ND< 309	Acenaphthylene	ND< 309
Diethyl phthalate	ND< 309	1,2-Dichlorobenzene	ND< 309
Dimethyl phthalate	ND< 772	1,3-Dichlorobenzene	ND< 309
Butylbenzylphthalate	ND< 309	1,4-Dichlorobenzene	ND< 309
Di-n-butyl phthalate	ND< 309	1,2,4-Trichlorobenzene	ND< 309
Di-n-octylphthalate	ND< 309	Nitrobenzene	ND< 309
Bis (2-ethylhexyl) phthalate	ND< 309	2,4-Dinitrotoluene	ND< 309
2-Chloronaphthalene	ND< 309	2,6-Dinitrotoluene	ND< 309
Hexachlorobenzene	ND< 309	Bis (2-chloroethyl) ether	ND< 309
Hexachloroethane	ND< 309	Bis (2-chloroisopropyl) ether	ND< 309
Hexachlorocyclopentadiene	ND< 309	Bis (2-chloroethoxy) methan	ND< 309
Hexachlorobutadiene	ND< 309	4-Bromophenyl phenyl ether	ND< 309
N-Nitroso-di-n-propylamine	ND< 309	4-Chlorophenyl phenyl ether	ND< 309
N-Nitrosodiphenylamine	ND< 309	Benzidine	ND< 772
N-Nitrosodimethylamine	ND< 309	3,3'-Dichlorobenzidine	ND< 309
Isophorone	ND< 309	4-Chloroaniline	ND< 309
Benzyl alcohol	ND< 772	2-Nitroaniline	ND< 772
Dibenzofuran	ND< 309	3-Nitroaniline	ND< 772
2-Methylnaphthalene	ND< 309	4-Nitroaniline	ND< 772

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 309	2-Methylphenol	ND< 309
2-Chlorophenol	ND< 309	3&4-Methylphenol	ND< 309
2,4-Dichlorophenol	ND< 309	2,4-Dimethylphenol	ND< 309
2,6-Dichlorophenol	ND< 309	2-Nitrophenol	ND< 309
2,4,5-Trichlorophenol	ND< 772	4-Nitrophenol	ND< 772
2,4,6-Trichlorophenol	ND< 309	2,4-Dinitrophenol	ND< 772
Pentachlorophenol	ND< 772	4,6-Dinitro-2-methylphenol	ND< 772
4-Chloro-3-methylphenol	ND< 309	Benzoic acid	ND< 772

ELAP Number 10958

Method: EPA 8270C

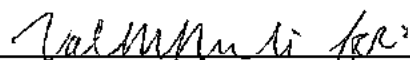
Data File: S52245.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature:


 Bruce Hoogesteger, Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo Newburgh

Lab Project Number: 10-3136

Lab Sample Number: 10428

Client Job Number: FN050130

Field Location: PE-28B

Date Sampled: 07/29/2010

Field ID Number: N/A

Date Received: 08/02/2010

Sample Type: Soil

Date Analyzed: 08/05/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 7.11
Bromomethane	ND< 7.11
Bromoform	ND< 17.8
Carbon Tetrachloride	ND< 17.8
Chloroethane	ND< 7.11
Chloromethane	ND< 7.11
2-Chloroethyl vinyl Ether	ND< 35.5
Chloroform	ND< 7.11
Dibromochloromethane	ND< 7.11
1,1-Dichloroethane	ND< 7.11
1,2-Dichloroethane	ND< 7.11
1,1-Dichloroethene	ND< 7.11
cis-1,2-Dichloroethene	ND< 7.11
trans-1,2-Dichloroethene	ND< 7.11
1,2-Dichloropropane	ND< 7.11
cis-1,3-Dichloropropene	ND< 7.11
trans-1,3-Dichloropropene	ND< 7.11
Methylene chloride	ND< 17.8
1,1,2,2-Tetrachloroethane	ND< 7.11
Tetrachloroethene	ND< 7.11
1,1,1-Trichloroethane	ND< 7.11
1,1,2-Trichloroethane	ND< 7.11
Trichloroethene	ND< 7.11
Trichlorofluoromethane	ND< 7.11
Vinyl chloride	ND< 7.11

Aromatics	Results in ug / Kg
Benzene	ND< 7.11
Chlorobenzene	ND< 7.11
Ethylbenzene	ND< 7.11
Toluene	ND< 7.11
m,p-Xylene	ND< 7.11
o-Xylene	ND< 7.11
Styrene	ND< 17.8
1,2-Dichlorobenzene	ND< 17.8
1,3-Dichlorobenzene	ND< 17.8
1,4-Dichlorobenzene	ND< 7.11

Ketones	Results in ug / Kg
Acetone	ND< 35.5
2-Butanone	ND< 35.5
2-Hexanone	ND< 17.8
4-Methyl-2-pentanone	ND< 17.8

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 7.11
Vinyl acetate	ND< 17.8

ELAP Number 10958

Method: EPA 8260B

Data File: V77317.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)****Client:** Conrad Geoscience**Client Job Site:** F&T Darrigo Newburgh**Lab Project Number:** 10-3136**Lab Sample Number:** 10428**Client Job Number:** FN050130**Field Location:** PE-28B**Date Sampled:** 07/29/2010**Field ID Number:** N/A**Date Received:** 08/02/2010**Sample Type:** Soil**Date Analyzed:** 08/05/2010**Date Reissued:** 08/11/2010

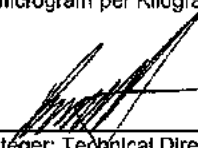
Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 35.5	1,2,4-Trimethylbenzene	ND< 7.11
sec-Butylbenzene	ND< 7.11	1,3,5-Trimethylbenzene	ND< 7.11
tert-Butylbenzene	ND< 17.8		
n-Propylbenzene	ND< 7.11	Miscellaneous	
Isopropylbenzene	ND< 35.5	Methyl tert-butyl Ether	ND< 7.11
p-Isopropyltoluene	ND< 35.5		
Naphthalene	ND< 17.8		

ELAP Number 10958

Method: EPA 8260B

Data File: V77317.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature:
Bruce Hoogesteger, Technical Director

PARADIGM

CHAIN OF CUSTODY

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

PROJECT NAME/SITE NAME:
*F&T Dam #1
Nashua*

COMPANY: <i>Conrad Gesco Inc</i>	ADDRESS: <i>1 Civic Center Plaza, Suite 501</i>	CITY: <i>Rochester</i>	STATE: <i>NY</i>	ZIP: <i>14601</i>
PHONE: <i>845-954-8544</i>	FAX: <i></i>	CITY: <i></i>	STATE: <i></i>	ZIP: <i></i>
ATTN: <i>M. H. Tynan</i>	ATTN: <i></i>	REQUESTED ANALYSIS:		
COMMENTS: <i>Play return cooler</i>				
LAB PROJECT #:	CLIENT PROJECT #:	TURNAROUND TIME: (WORKING DAYS)		
<i>10-3136</i>	<i>F1052130</i>			
QUOTE #:		STD OTHER		
<i>1</i>		<i>5</i>		

DATE	TIME	C O M P O S I T E	G R A B	SAMPLE LOCATION/FIELD ID	M A T T R I X	C O N T A M I N A T I O N	REMARKS	PARADIGM LAB SAMPLE NUMBER
12/24/10	1025	X	PE-2883	601	1	X 13 PP Metals X full VOCs X full SVOCs X PCBs / Pest X Hex Cr X Cyrate	VOC - 8260 TCL + X per quote. NSQ 70809A EPAH 8/2	10428
2								
3								
4								
5								
6								
7								
8								
9								
10								

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type:	Y ☒ N ☐
Preservation:	Y ☐ N ☐
Holding Time:	Y ☒ N ☐
Temperature:	Y ☐ N ☒
Comments:	<i>27°C - from iced sample</i>

Received By	Date/Time
<i>William Miller</i>	<i>7/29/10 1025</i>
Relinquished By	Date/Time
<i>Elizabeth A. Honick</i>	<i>8/2/10 1550</i>

Total Cost:

P.I.F.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 09-4494

Issued December 18, 2009

This report contains a total of 154 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.

"E" = Result has been estimated, calibration limit exceeded.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

**PARADIGM****ENVIRONMENTAL SERVICES, INC.**

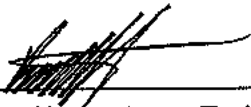
179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience**Lab Project No.:** 09-4494**Client Job Site:** F&T Darrigo**Lab Sample No.:** 13626**Client Job No.:** FN050130**Sample Type:** Soil**Field Location:** TP-1 0-1**Date Sampled:** 12/01/2009**Field ID No.:** N/A**Date Received:** 12/04/2009**Laboratory Report for Metals Analysis in Solid**

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<5.22
Arsenic	12/17/2009	SW846 6010	7.39
Beryllium	12/17/2009	SW846 6010	0.734
Cadmium	12/17/2009	SW846 6010	0.937
Chromium	12/17/2009	SW846 6010	19.9
Copper	12/17/2009	SW846 6010	23.6
Lead	12/17/2009	SW846 6010	50.6
Mercury	12/11/2009	SW846 7471	0.114
Nickel	12/17/2009	SW846 6010	20.7
Selenium	12/17/2009	SW846 6010	<0.435
Silver	12/17/2009	SW846 6010	<0.870
Thallium	12/17/2009	SW846 6010	<0.522
Zinc	12/17/2009	SW846 6010	103

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogeteager, Technical Director

**PARADIGM**

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Client Job No.: FN050130

Field Location: TP-3 0-1
Field ID No.: N/A

Lab Project No.: 09-4494

Lab Sample No.: 13627

Sample Type: Soil

Date Sampled: 12/01/2009

Date Received: 12/04/2009

Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<6.80
Arsenic	12/17/2009	SW846 6010	8.11
Beryllium	12/17/2009	SW846 6010	0.662
Cadmium	12/17/2009	SW846 6010	0.712
Chromium	12/17/2009	SW846 6010	19.3
Copper	12/17/2009	SW846 6010	23.6
Lead	12/17/2009	SW846 6010	16.8
Mercury	12/11/2009	SW846 7471	0.0350
Nickel	12/17/2009	SW846 6010	28.3
Selenium	12/17/2009	SW846 6010	<0.566
Silver	12/17/2009	SW846 6010	<1.13
Thallium	12/17/2009	SW846 6010	<0.680
Zinc	12/17/2009	SW846 6010	83.7

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director



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179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: **Conrad Geoscience**

Client Job Site: **F&T Darrigo**

Client Job No.: **FN050130**

Field Location: **TP-2 0-1**
Field ID No.: **N/A**

Lab Project No.: **09-4494**

Lab Sample No.: **13628**

Sample Type: **Soil**

Date Sampled: **12/01/2009**

Date Received: **12/04/2009**

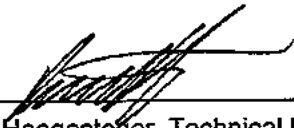
Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<7.20
Arsenic	12/17/2009	SW846 6010	6.58
Beryllium	12/17/2009	SW846 6010	0.632
Cadmium	12/17/2009	SW846 6010	0.656
Chromium	12/17/2009	SW846 6010	18.0
Copper	12/17/2009	SW846 6010	23.3
Lead	12/17/2009	SW846 6010	24.2
Mercury	12/11/2009	SW846 7471	0.0585
Nickel	12/17/2009	SW846 6010	19.8
Selenium	12/17/2009	SW846 6010	<0.600
Silver	12/17/2009	SW846 6010	<1.20
Thallium	12/17/2009	SW846 6010	<0.720
Zinc	12/17/2009	SW846 6010	93.6

ELAP ID No.:10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director

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ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience

Lab Project No.: 09-4494

Client Job Site: F&T Darrigo

Lab Sample No.: 13630

Client Job No.: FN050130

Sample Type: Soil

Field Location: TP-5 0-1

Date Sampled: 12/01/2009

Field ID No.: N/A

Date Received: 12/04/2009

Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<5.37
Arsenic	12/17/2009	SW846 6010	6.62
Beryllium	12/17/2009	SW846 6010	0.574
Cadmium	12/17/2009	SW846 6010	0.633
Chromium	12/17/2009	SW846 6010	18.4
Copper	12/17/2009	SW846 6010	19.8
Lead	12/17/2009	SW846 6010	20.7
Mercury	12/11/2009	SW846 7471	0.0438
Nickel	12/17/2009	SW846 6010	22.0
Selenium	12/17/2009	SW846 6010	<0.448
Silver	12/17/2009	SW846 6010	<0.895
Thallium	12/17/2009	SW846 6010	<0.537
Zinc	12/17/2009	SW846 6010	84.2

ELAP ID No.:10958

Comments:

Approved By: 

Bruce Hoogesteger, Technical Director

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ENVIRONMENTAL SERVICES, INC.

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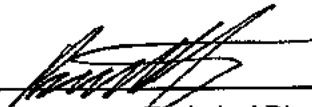
Client: **Conrad Geoscience**Client Job Site: **F&T Darrigo**Client Job No.: **FN050130**Field Location: **TP-10 0-1**Field ID No.: **N/A**Lab Project No.: **09-4494**Lab Sample No.: **13637**Sample Type: **Soil**Date Sampled: **12/01/2009**Date Received: **12/04/2009****Laboratory Report for Metals Analysis in Solid**

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<4.79
Arsenic	12/17/2009	SW846 6010	6.52
Beryllium	12/17/2009	SW846 6010	0.599
Cadmium	12/17/2009	SW846 6010	0.700
Chromium	12/17/2009	SW846 6010	18.9
Copper	12/17/2009	SW846 6010	21.5
Lead	12/17/2009	SW846 6010	15.6
Mercury	12/11/2009	SW846 7471	0.0407
Nickel	12/17/2009	SW846 6010	22.9
Selenium	12/17/2009	SW846 6010	<0.400
Silver	12/17/2009	SW846 6010	<0.800
Thallium	12/17/2009	SW846 6010	<0.479
Zinc	12/17/2009	SW846 6010	80.0

ELAP ID No.:10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director



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ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Client Job No.: FN050130

Field Location: TP-14 0-1

Field ID No.: N/A

Lab Project No.: 09-4494

Lab Sample No.: 13641

Sample Type: Soil

Date Sampled: 12/01/2009

Date Received: 12/04/2009

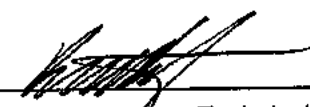
Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<4.23
Arsenic	12/17/2009	SW846 6010	5.75
Beryllium	12/17/2009	SW846 6010	0.612
Cadmium	12/17/2009	SW846 6010	0.677
Chromium	12/17/2009	SW846 6010	17.9
Copper	12/17/2009	SW846 6010	18.3
Lead	12/17/2009	SW846 6010	16.8
Mercury	12/11/2009	SW846 7471	0.0334
Nickel	12/17/2009	SW846 6010	21.1
Selenium	12/17/2009	SW846 6010	<0.352
Silver	12/17/2009	SW846 6010	<0.704
Thallium	12/17/2009	SW846 6010	<0.423
Zinc	12/17/2009	SW846 6010	72.9

ELAP ID No.:10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director

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ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Client Job No.: FN050130

Field Location: TP-16 0-1

Field ID No.: N/A

Lab Project No.: 09-4494

Lab Sample No.: 13645

Sample Type: Soil

Date Sampled: 12/01/2009

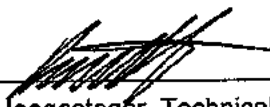
Date Received: 12/04/2009

Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<5.84
Arsenic	12/17/2009	SW846 6010	4.94
Beryllium	12/17/2009	SW846 6010	0.565
Cadmium	12/17/2009	SW846 6010	0.581
Chromium	12/17/2009	SW846 6010	17.4
Copper	12/17/2009	SW846 6010	16.7
Lead	12/17/2009	SW846 6010	14.5
Mercury	12/11/2009	SW846 7471	0.0406
Nickel	12/17/2009	SW846 6010	20.6
Selenium	12/17/2009	SW846 6010	<0.487
Silver	12/17/2009	SW846 6010	<0.973
Thallium	12/17/2009	SW846 6010	<0.584
Zinc	12/17/2009	SW846 6010	77.9

ELAP ID No.:10958

Comments:

Approved By: 

Bruce Hoogesteger, Technical Director

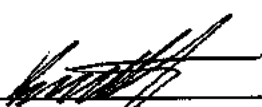
**PARADIGM****ENVIRONMENTAL SERVICES, INC.**

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience**Lab Project No.:** 09-4494**Client Job Site:** F&T Darrigo**Lab Sample No.:** 13647**Client Job No.:** FN050130**Sample Type:** Soil**Field Location:** TP-17 0-1**Date Sampled:** 12/01/2009**Field ID No.:** N/A**Date Received:** 12/04/2009**Laboratory Report for Metals Analysis in Solid**

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<6.24
Arsenic	12/17/2009	SW846 6010	6.99
Beryllium	12/17/2009	SW846 6010	0.601
Cadmium	12/17/2009	SW846 6010	0.701
Chromium	12/17/2009	SW846 6010	20.2
Copper	12/17/2009	SW846 6010	20.8
Lead	12/17/2009	SW846 6010	17.6
Mercury	12/11/2009	SW846 7471	0.0343
Nickel	12/17/2009	SW846 6010	25.1
Selenium	12/17/2009	SW846 6010	<0.519
Silver	12/17/2009	SW846 6010	<1.04
Thallium	12/17/2009	SW846 6010	<0.624
Zinc	12/17/2009	SW846 6010	67.5

ELAP ID No.:10958

Comments:**Approved By:** 

Bruce Hoogesteger, Technical Director

**PARADIGM**

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Client Job No.: FN050130

Field Location: TP-20 0-1

Field ID No.: N/A

Lab Project No.: 09-4494

Lab Sample No.: 13648

Sample Type: Soil

Date Sampled: 12/01/2009

Date Received: 12/04/2009

Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<6.90
Arsenic	12/17/2009	SW846 6010	5.55
Beryllium	12/17/2009	SW846 6010	0.647
Cadmium	12/17/2009	SW846 6010	0.670
Chromium	12/17/2009	SW846 6010	18.2
Copper	12/17/2009	SW846 6010	20.1
Lead	12/17/2009	SW846 6010	27.8
Mercury	12/11/2009	SW846 7471	0.0662
Nickel	12/17/2009	SW846 6010	20.4
Selenium	12/17/2009	SW846 6010	<0.576
Silver	12/17/2009	SW846 6010	<1.15
Thallium	12/17/2009	SW846 6010	<0.690
Zinc	12/17/2009	SW846 6010	111

ELAP ID No.:10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director



Client: Conrad Geoscience

Lab Project No.: 09-4494

Client Job Site: F&T Darrigo

Lab Sample No.: 13649

Client Job No.: FN050130

Sample Type: Soil

Field Location: TP-1-2-5-6 0-1

Date Sampled: 12/03/2009

Field ID No.: N/A

Date Received: 12/04/2009

Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<4.38
Arsenic	12/17/2009	SW846 6010	5.71
Beryllium	12/17/2009	SW846 6010	0.634
Cadmium	12/17/2009	SW846 6010	0.668
Chromium	12/17/2009	SW846 6010	18.5
Copper	12/17/2009	SW846 6010	21.6
Lead	12/17/2009	SW846 6010	22.8
Mercury	12/11/2009	SW846 7471	0.0532
Nickel	12/17/2009	SW846 6010	20.4
Selenium	12/17/2009	SW846 6010	<0.365
Silver	12/17/2009	SW846 6010	<0.730
Thallium	12/17/2009	SW846 6010	<0.438
Zinc	12/17/2009	SW846 6010	88.4

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director



PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience

Lab Project No.: 09-4494

Client Job Site: F&T Darrigo

Lab Sample No.: 13650

Client Job No.: FN050130

Sample Type: Soil

Field Location: TP-5-6-7-8 1-2

Date Sampled: 12/03/2009

Field ID No.: N/A

Date Received: 12/04/2009

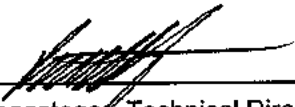
Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<5.12
Arsenic	12/17/2009	SW846 6010	8.02
Beryllium	12/17/2009	SW846 6010	0.811
Cadmium	12/17/2009	SW846 6010	0.740
Chromium	12/17/2009	SW846 6010	22.2
Copper	12/17/2009	SW846 6010	24.6
Lead	12/17/2009	SW846 6010	15.0
Mercury	12/11/2009	SW846 7471	0.0322
Nickel	12/17/2009	SW846 6010	24.5
Selenium	12/17/2009	SW846 6010	<0.427
Silver	12/17/2009	SW846 6010	<0.852
Thallium	12/17/2009	SW846 6010	<0.512
Zinc	12/17/2009	SW846 6010	76.8

ELAP ID No.:10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director



PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience

Lab Project No.: 09-4494

Client Job Site: F&T Darrigo

Lab Sample No.: 13651

Client Job No.: FN050130

Sample Type: Soil

Field Location: TP-7-8-11-12 0-1

Date Sampled: 12/03/2009

Field ID No.: N/A

Date Received: 12/04/2009

Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<5.25
Arsenic	12/17/2009	SW846 6010	5.61
Beryllium	12/17/2009	SW846 6010	0.662
Cadmium	12/17/2009	SW846 6010	0.761
Chromium	12/17/2009	SW846 6010	18.7
Copper	12/17/2009	SW846 6010	19.2
Lead	12/17/2009	SW846 6010	29.4
Mercury	12/11/2009	SW846 7471	0.0553
Nickel	12/17/2009	SW846 6010	20.8
Selenium	12/17/2009	SW846 6010	<0.438
Silver	12/17/2009	SW846 6010	<0.875
Thallium	12/17/2009	SW846 6010	<0.525
Zinc	12/17/2009	SW846 6010	81.8

ELAP ID No.:10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director

Client: **Conrad Geoscience**

Lab Project No.: 09-4494

Client Job Site: F&T Darrigo

Lab Sample No.: 13652

Client Job No.: FN050130

Sample Type: Soil

Field Location: TP-11-12-13-14 1-2

Date Sampled: 12/03/2009

Field ID No.: N/A

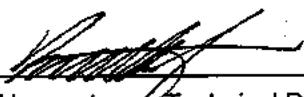
Date Received: 12/04/2009

Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<4.24
Arsenic	12/17/2009	SW846 6010	6.28
Beryllium	12/17/2009	SW846 6010	0.568
Cadmium	12/17/2009	SW846 6010	0.608
Chromium	12/17/2009	SW846 6010	18.2
Copper	12/17/2009	SW846 6010	25.8
Lead	12/17/2009	SW846 6010	11.8
Mercury	12/11/2009	SW846 7471	0.0316
Nickel	12/17/2009	SW846 6010	23.5
Selenium	12/17/2009	SW846 6010	<0.353
Silver	12/17/2009	SW846 6010	<0.706
Thallium	12/17/2009	SW846 6010	<0.424
Zinc	12/17/2009	SW846 6010	58.6

ELAP ID No.:10958

Comments:

 Approved By: 
 Bruce Hoogesteger, Technical Director

Client: Conrad Geoscience

Lab Project No.: 09-4494

Client Job Site: F&T Darrigo

Lab Sample No.: 13653

Client Job No.: FN050130

Sample Type: Soil

Field Location: TP-13-14-19-20 0-1

Date Sampled: 12/03/2009

Field ID No.: N/A

Date Received: 12/04/2009

Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<.45
Arsenic	12/17/2009	SW846 6010	5.77
Beryllium	12/17/2009	SW846 6010	0.611
Cadmium	12/17/2009	SW846 6010	0.640
Chromium	12/17/2009	SW846 6010	17.0
Copper	12/17/2009	SW846 6010	19.1
Lead	12/17/2009	SW846 6010	22.6
Mercury	12/11/2009	SW846 7471	0.0490
Nickel	12/17/2009	SW846 6010	19.6
Selenium	12/17/2009	SW846 6010	<0.454
Silver	12/17/2009	SW846 6010	<0.907
Thallium	12/17/2009	SW846 6010	<0.545
Zinc	12/17/2009	SW846 6010	83.7

ELAP ID No.:10958

Comments:

Approved By:


 Bruce Hoogesteger, Technical Director



Client: Conrad Geoscience

Lab Project No.: 09-4494

Client Job Site: F&T Darrigo

Lab Sample No.: 13654

Client Job No.: FN050130

Sample Type: Soil

Field Location: TP-2-3-4-5 1-2

Date Sampled: 12/03/2009

Field ID No.: N/A

Date Received: 12/04/2009

Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<5.72
Arsenic	12/17/2009	SW846 6010	5.96
Beryllium	12/17/2009	SW846 6010	0.559
Cadmium	12/17/2009	SW846 6010	0.592
Chromium	12/17/2009	SW846 6010	18.1
Copper	12/17/2009	SW846 6010	20.9
Lead	12/17/2009	SW846 6010	10.7
Mercury	12/11/2009	SW846 7471	0.0307
Nickel	12/17/2009	SW846 6010	21.5
Selenium	12/17/2009	SW846 6010	<0.477
Silver	12/17/2009	SW846 6010	<0.953
Thallium	12/17/2009	SW846 6010	<0.572
Zinc	12/17/2009	SW846 6010	63.2

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

Client: Conrad Geoscience
Lab Project No.: 09-4494

Client Job Site: F&T Darrigo

Lab Sample No.: 13655

Client Job No.: FN050130

Sample Type: Soil

Field Location: TP-4-5-8-9 1-2

Date Sampled: 12/03/2009

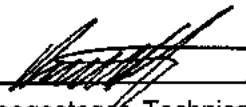
Field ID No.: N/A

Date Received: 12/04/2009

Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<3.68
Arsenic	12/17/2009	SW846 6010	6.07
Beryllium	12/17/2009	SW846 6010	0.575
Cadmium	12/17/2009	SW846 6010	0.608
Chromium	12/17/2009	SW846 6010	19.2
Copper	12/17/2009	SW846 6010	26.2
Lead	12/17/2009	SW846 6010	9.55
Mercury	12/11/2009	SW846 7471	0.0327
Nickel	12/17/2009	SW846 6010	23.5
Selenium	12/17/2009	SW846 6010	<0.307
Silver	12/17/2009	SW846 6010	<0.613
Thallium	12/17/2009	SW846 6010	<0.368
Zinc	12/17/2009	SW846 6010	57.1

ELAP ID No.:10958

Comments:
Approved By:

 Bruce Hoogesteger, Technical Director



PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2630 FAX (585) 647-3311

Client: Conrad Geoscience

Lab Project No.: 09-4494

Client Job Site: F&T Darrigo

Lab Sample No.: 13656

Client Job No.: FN050130

Sample Type: Soil

Field Location: TP-8-9-10-11 1-2

Date Sampled: 12/03/2009

Field ID No.: N/A

Date Received: 12/04/2009

Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<6.03
Arsenic	12/17/2009	SW846 6010	6.57
Beryllium	12/17/2009	SW846 6010	0.626
Cadmium	12/17/2009	SW846 6010	0.623
Chromium	12/17/2009	SW846 6010	20.1
Copper	12/17/2009	SW846 6010	25.8
Lead	12/17/2009	SW846 6010	12.3
Mercury	12/11/2009	SW846 7471	0.0314
Nickel	12/17/2009	SW846 6010	24.3
Selenium	12/17/2009	SW846 6010	<0.503
Silver	12/17/2009	SW846 6010	<1.01
Thallium	12/17/2009	SW846 6010	<0.603
Zinc	12/17/2009	SW846 6010	58.4

ELAP ID No.:10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director



Client: Conrad Geoscience

Lab Project No.: 09-4494

Client Job Site: F&T Darrigo

Lab Sample No.: 13657

Client Job No.: FN050130

Sample Type: Soil

Field Location: TP-10-11-14-15

Date Sampled: 12/03/2009

Field ID No.: N/A

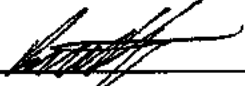
Date Received: 12/04/2009

Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<4.74
Arsenic	12/17/2009	SW846 6010	5.91
Beryllium	12/17/2009	SW846 6010	0.602
Cadmium	12/17/2009	SW846 6010	0.673
Chromium	12/17/2009	SW846 6010	18.5
Copper	12/17/2009	SW846 6010	20.5
Lead	12/17/2009	SW846 6010	15.1
Mercury	12/11/2009	SW846 7471	0.0445
Nickel	12/17/2009	SW846 6010	21.2
Selenium	12/17/2009	SW846 6010	<0.396
Silver	12/17/2009	SW846 6010	<0.790
Thallium	12/17/2009	SW846 6010	<0.474
Zinc	12/17/2009	SW846 6010	76.5

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

**PARADIGM**

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience**Lab Project No.:** 09-4494**Client Job Site:** F&T Darrigo**Lab Sample No.:** 13658**Client Job No.:** FN050130**Sample Type:** Soil**Field Location:** TP-14-15-18-19 1-2**Date Sampled:** 12/03/2009**Field ID No.:** N/A**Date Received:** 12/04/2009**Laboratory Report for Metals Analysis in Solid**

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<7.17
Arsenic	12/17/2009	SW846 6010	8.00
Beryllium	12/17/2009	SW846 6010	0.675
Cadmium	12/17/2009	SW846 6010	0.683
Chromium	12/17/2009	SW846 6010	20.0
Copper	12/17/2009	SW846 6010	27.6
Lead	12/17/2009	SW846 6010	13.2
Mercury	12/11/2009	SW846 7471	0.0274
Nickel	12/17/2009	SW846 6010	25.7
Selenium	12/17/2009	SW846 6010	<0.597
Silver	12/17/2009	SW846 6010	<1.19
Thallium	12/17/2009	SW846 6010	<0.669
Zinc	12/17/2009	SW846 6010	61.8

ELAP ID No.:10958

Comments:**Approved By:** 
Bruce Hoogesteger, Technical Director

**PARADIGM****ENVIRONMENTAL SERVICES, INC.**

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience**Lab Project No.:** 09-4494**Client Job Site:** F&T Darrigo**Lab Sample No.:** 13659**Client Job No.:** FN050130**Sample Type:** Soil**Field Location:** TP-15-16-17-18 0-1**Date Sampled:** 12/03/2009**Field ID No.:** N/A**Date Received:** 12/04/2009**Laboratory Report for Metals Analysis in Solid**

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<.06
Arsenic	12/17/2009	SW846 6010	5.28
Beryllium	12/17/2009	SW846 6010	0.548
Cadmium	12/17/2009	SW846 6010	0.549
Chromium	12/17/2009	SW846 6010	17.7
Copper	12/17/2009	SW846 6010	17.3
Lead	12/17/2009	SW846 6010	15.1
Mercury	12/11/2009	SW846 7471	0.0368
Nickel	12/17/2009	SW846 6010	21.4
Selenium	12/17/2009	SW846 6010	<0.422
Silver	12/17/2009	SW846 6010	<0.844
Thallium	12/17/2009	SW846 6010	<0.506
Zinc	12/17/2009	SW846 6010	69.8

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director



PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience

Lab Project No.: 09-4494

Client Job Site: F&T Darrigo

Lab Sample No.: 13660

Client Job No.: FN050130

Sample Type: Soil

Field Location: TP-1-2-3 1-2

Date Sampled: 12/03/2009

Field ID No.: N/A

Date Received: 12/04/2009

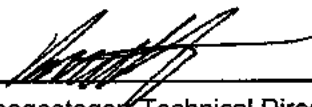
Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<5.14
Arsenic	12/17/2009	SW846 6010	8.00
Beryllium	12/17/2009	SW846 6010	0.739
Cadmium	12/17/2009	SW846 6010	0.728
Chromium	12/17/2009	SW846 6010	20.8
Copper	12/17/2009	SW846 6010	29.3
Lead	12/17/2009	SW846 6010	15.4
Mercury	12/11/2009	SW846 7471	0.0474
Nickel	12/17/2009	SW846 6010	25.9
Selenium	12/17/2009	SW846 6010	<0.428
Silver	12/17/2009	SW846 6010	<0.855
Thallium	12/17/2009	SW846 6010	<0.514
Zinc	12/17/2009	SW846 6010	67.3

ELAP ID No.:10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience

Lab Project No.: 09-4494

Client Job Site: F&T Darrigo

Lab Sample No.: 13661

Client Job No.: FN050130

Sample Type: Soil

Field Location: TP-4-5-6 1-2

Date Sampled: 12/03/2009

Field ID No.: N/A

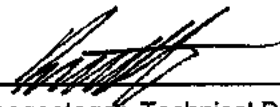
Date Received: 12/04/2009

Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<4.06
Arsenic	12/17/2009	SW846 6010	7.97
Beryllium	12/17/2009	SW846 6010	0.703
Cadmium	12/17/2009	SW846 6010	0.741
Chromium	12/17/2009	SW846 6010	20.7
Copper	12/17/2009	SW846 6010	24.3
Lead	12/17/2009	SW846 6010	14.1
Mercury	12/11/2009	SW846 7471	0.0320
Nickel	12/17/2009	SW846 6010	24.3
Selenium	12/17/2009	SW846 6010	<0.338
Silver	12/17/2009	SW846 6010	<0.677
Thallium	12/17/2009	SW846 6010	<0.406
Zinc	12/17/2009	SW846 6010	69.8

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director



Client: Conrad Geoscience

Lab Project No.: 09-4494

Client Job Site: F&T Darrigo

Lab Sample No.: 13662

Client Job No.: FN050130

Sample Type: Soil

Field Location: TP-10-11-12

Date Sampled: 12/03/2009

Field ID No.: N/A

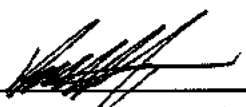
Date Received: 12/04/2009

Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<5.37
Arsenic	12/17/2009	SW846 6010	6.78
Beryllium	12/17/2009	SW846 6010	0.580
Cadmium	12/17/2009	SW846 6010	0.643
Chromium	12/17/2009	SW846 6010	17.9
Copper	12/17/2009	SW846 6010	25.4
Lead	12/17/2009	SW846 6010	14.1
Mercury	12/11/2009	SW846 7471	0.0297
Nickel	12/17/2009	SW846 6010	22.5
Selenium	12/17/2009	SW846 6010	<0.448
Silver	12/17/2009	SW846 6010	<0.897
Thallium	12/17/2009	SW846 6010	<0.537
Zinc	12/17/2009	SW846 6010	60.3

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director



Client: Conrad Geoscience

Lab Project No.: 09-4494

Client Job Site: F&T Darrigo

Lab Sample No.: 13663

Client Job No.: FN050130

Sample Type: Soil

Field Location: TP-13-14-15-16 0-1

Date Sampled: 12/03/2009

Field ID No.: N/A

Date Received: 12/04/2009

Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<5.20
Arsenic	12/17/2009	SW846 6010	5.77
Beryllium	12/17/2009	SW846 6010	0.607
Cadmium	12/17/2009	SW846 6010	0.635
Chromium	12/17/2009	SW846 6010	17.2
Copper	12/17/2009	SW846 6010	18.8
Lead	12/17/2009	SW846 6010	19.2
Mercury	12/11/2009	SW846 7471	0.0488
Nickel	12/17/2009	SW846 6010	20.6
Selenium	12/17/2009	SW846 6010	<0.434
Silver	12/17/2009	SW846 6010	<0.867
Thallium	12/17/2009	SW846 6010	<0.520
Zinc	12/17/2009	SW846 6010	75.7

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director



PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience

Lab Project No.: 09-4494

Client Job Site: F&T Darrigo

Lab Sample No.: 13664

Client Job No.: FN050130

Sample Type: Soil

Field Location: TP-17-18-19-20 1-2

Date Sampled: 12/03/2009

Field ID No.: N/A

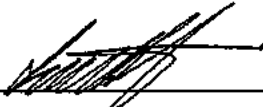
Date Received: 12/04/2009

Laboratory Report for Metals Analysis in Solid

Parameter	Date Analyzed	Analytical Method	Result (mg/kg)
Antimony	12/17/2009	SW846 6010	<5.68
Arsenic	12/17/2009	SW846 6010	6.74 D
Beryllium	12/17/2009	SW846 6010	0.704 M
Cadmium	12/17/2009	SW846 6010	0.773 D,M
Chromium	12/17/2009	SW846 6010	22.2 D,M
Copper	12/17/2009	SW846 6010	24.2
Lead	12/17/2009	SW846 6010	15.2 M
Mercury	12/11/2009	SW846 7471	0.0338 D,M
Nickel	12/17/2009	SW846 6010	26.1
Selenium	12/17/2009	SW846 6010	<0.474
Silver	12/17/2009	SW846 6010	<0.947
Thallium	12/17/2009	SW846 6010	<0.568 M
Zinc	12/17/2009	SW846 6010	79.5 D,M

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

Client:	Conrad Geoscience	Lab Project No.:	09-4494
Client Job Site:	F&T Darrigo	Sample Type:	Soil
Client Job No.:	FN050130	Date Sampled:	12/1/2009
		Date Received:	12/4/2009
Analytical Method:	SW 7196A MOD.	Date Analyzed:	12/8/2009

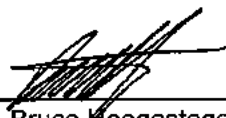
Laboratory Report for Hexavalent Chromium

Lab Sample ID.	Sample Location/Field ID	Results (ug/g)
13626	TP-1 0-1	ND<0.4
13627	TP-3 0-1	ND<0.4
13628	TP-2 0-1	ND<0.4
13630	TP-5 0-1	ND<0.4
13637	TP-10 0-1	ND<0.4
13641	TP-14 1-2	ND<0.4
13645	TP-16 0-1	ND<0.4
13647	TP-17 0-1	ND<0.4

ELAP ID. No.:10709

Comments: ND denotes Non Detect.

Approved By Technical Director: _____


 Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

File ID: Conrad 09-4494

Client:	Conrad Geoscience	Lab Project No.:	09-4494
Client Job Site:	F&T Darrigo	Sample Type:	Soil
Client Job No.:	FN050130	Date Sampled:	12/1-12/3/2009
		Date Received:	12/4/2009
Analytical Method:	SW 7196A MOD.	Date Analyzed:	12/8/2009

Laboratory Report for Hexavalent Chromium

Lab Sample ID.	Sample Location/Field ID	Results (ug/g)
13648	TP-20 0-1	ND<0.4
13649	TP-1-2-5-6 0-1	ND<0.4
13650	TP-5-6-7-8 1-2	ND<0.4
13651	TP-7-8-11-12 0-1	ND<0.4
13652	TP-11-12-13-14 1-2	ND<0.4
13653	TP-13-14-19-20 0-1	ND<0.4
13654	TP-2-3-4-5 1-2	ND<0.4
13655	TP-4-5-8-9 1-2	ND<0.4

ELAP ID. No.:10709

Comments: ND denotes Non Detect.

Approved By Technical Director: 
 Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

File ID: Conrad 09-4494



PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience

Lab Project No.: 09-4494

Client Job Site: F&T Darrigo

Sample Type: Soil

Client Job No.: FN050130

Date Sampled: 12/3/2009

Date Received: 12/4/2009

Analytical Method: SW 7196A MOD.

Date Analyzed: 12/8-12/10/2009

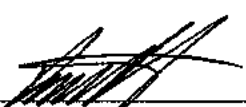
Laboratory Report for Hexavalent Chromium

Lab Sample ID.	Sample Location/Field ID	Results (ug/g)
13656	TP-8-9-10-11 1-2	ND<0.4
13657	TP-10-11-14-15 0-1	ND<0.4
13658	TP-14-15-18-19 1-2	ND<0.4
13659	TP-15-16-17-18 0-1	ND<0.4
13660	TP-1-2-3 1-2	ND<0.4
13661	TP-4-5-6 1-2	ND<0.4
13662	TP-10-11-12 1-2	ND<0.4
13663	TP 13-14-15-16 0-1	ND<0.4
13664	TP-17-18-19-20 1-2	ND<0.4

ELAP ID. No.:10709

Comments: ND denotes Non Detect.

Approved By Technical Director: _____


Bruce Hoogesteger

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

File ID: Conrad 09-4494

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13626

Client Job Number: FN050130

Field Location: TP-1 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____


Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13627

Client Job Number: FN050130

Field Location: TP-3 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

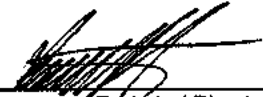
PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____


Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13628

Client Job Number: FN050130

Field Location: TP-2 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____


Bruce Hoogesteger: Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13630

Client Job Number: FN050130

Field Location: TP-5 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____


Bruce Hoogesteger: Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13637

Client Job Number: FN050130

Field Location: TP-10 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

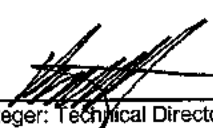
PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____


Bruce Hoogesteger: Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13641

Client Job Number: FN050130

Field Location: TP-14 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13645

Client Job Number: FN050130

Field Location: TP-16 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

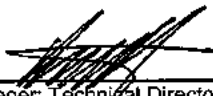
PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____


Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13647

Client Job Number: FN050130

Field Location: TP-17 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13648

Client Job Number: FN050130

Field Location: TP-20 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13649

Client Job Number: FN050130

Field Location: TP-1-2-5-6 0-1

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____


Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo
Client Job Number: FN050130
Field Location: TP-5-6-7-8 1-2
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 09-4494
Lab Sample Number: 13650
Date Sampled: 12/03/2009
Date Received: 12/04/2009
Date Analyzed: 12/16/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____


Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo
Client Job Number: FN050130
Field Location: TP-7-8-11-12 0-1
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 09-4494
Lab Sample Number: 13651
Date Sampled: 12/03/2009
Date Received: 12/04/2009
Date Analyzed: 12/16/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo
Client Job Number: FN050130
Field Location: TP-11-12-13-14 1-2
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 09-4494
Lab Sample Number: 13652
Date Sampled: 12/03/2009
Date Received: 12/04/2009
Date Analyzed: 12/16/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13653

Client Job Number: FN050130

Field Location: TP-13-14-19-20 0-1

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13654

Client Job Number: FN050130

Field Location: TP-2-3-4-5 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13655

Client Job Number: FN050130

Field Location: TP-4-5-8-9 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____


Bruce Hoogesteger: Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13656

Client Job Number: FN050130

Field Location: TP-8-9-10-11 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detected
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13657

Client Job Number: FN050130

Field Location: TP-10-11-14-15 0-1

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13658

Client Job Number: FN050130

Field Location: TP-14-15-18-19 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13659

Client Job Number: FN050130

Field Location: TP-15-16-17-18 0-1

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13660

Client Job Number: FN050130

Field Location: TP-1-2-3 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13661

Client Job Number: FN050130

Field Location: TP-4-5-6 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13662

Client Job Number: FN050130

Field Location: TP-10-11-12 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____


Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13663

Client Job Number: FN050130

Field Location: TP-13-14-15-16 0-1

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13664

Client Job Number: FN050130

Field Location: TP-17-18-19-20 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.300
Aroclor 1221	ND< 0.300
Aroclor 1232	ND< 0.300
Aroclor 1242	ND< 0.300
Aroclor 1248	ND< 0.300
Aroclor 1254	ND< 0.300
Aroclor 1260	ND< 0.300

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____


Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13626

Client Job Number: FN 050130

Field Location: TP-1 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

& 12/17/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.54
alpha-BHC	ND< 3.54
beta-BHC	ND< 3.54
delta-BHC	ND< 3.54
gamma-BHC	ND< 3.54
alpha-Chlordane	23.8
gamma-Chlordane	17.4
4,4'-DDD	6.93 *
4,4'-DDE	ND< 3.54
4,4'-DDT	6.21
Dieldrin	ND< 3.54
Endosulfan I	ND< 3.54
Endosulfan II	ND< 3.54
Endosulfan Sulfate	53.9 *
Endrin	6.06
Endrin Aldehyde	6.80
Heptachlor	ND< 3.54
Heptachlor Epoxide	ND< 3.54
Methoxychlor	ND< 3.54
Toxaphene	ND< 177

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

* Sample result differs by more the 40% between primary and secondary columns

Signature: _____

Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13627

Client Job Number: FN 050130

Field Location: TP-3 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

& 12/17/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.37
alpha-BHC	ND< 3.37
beta-BHC	ND< 3.37
delta-BHC	ND< 3.37
gamma-BHC	ND< 3.37
alpha-Chlordane	ND< 3.37
gamma-Chlordane	ND< 3.37
4,4'-DDD	8.10 *
4,4'-DDE	ND< 3.37
4,4'-DDT	ND< 3.37
Dieldrin	ND< 3.37
Endosulfan I	ND< 3.37
Endosulfan II	ND< 3.37
Endosulfan Sulfate	ND< 3.37
Endrin	ND< 3.37
Endrin Aldehyde	ND< 3.37
Heptachlor	ND< 3.37
Heptachlor Epoxide	ND< 3.37
Methoxychlor	ND< 3.37
Toxaphene	ND< 168

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

* Sample result differs by more the 40% between primary and secondary columns

Signature: _____

Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13628

Client Job Number: FN 050130

Field Location: TP-2 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

& 12/17/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.47
alpha-BHC	ND< 3.47
beta-BHC	ND< 3.47
delta-BHC	ND< 3.47
gamma-BHC	ND< 3.47
alpha-Chlordane	27.7
gamma-Chlordane	7.69
4,4'-DDD	9.29 *
4,4'-DDE	ND< 3.47
4,4'-DDT	9.65
Dieldrin	ND< 3.47
Endosulfan I	ND< 3.47
Endosulfan II	ND< 3.47
Endosulfan Sulfate	10.2 *
Endrin	7.94
Endrin Aldehyde	7.29
Heptachlor	ND< 3.47
Heptachlor Epoxide	ND< 3.47
Methoxychlor	ND< 3.47
Toxaphene	ND< 174

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

* Sample result differs by more the 40% between primary and seconday columns

Signature: _____

Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13630

Client Job Number: FN 050130

Field Location: TP-5 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

& 12/17/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.28
alpha-BHC	ND< 3.28
beta-BHC	ND< 3.28
delta-BHC	ND< 3.28
gamma-BHC	ND< 3.28
alpha-Chlordane	8.40
gamma-Chlordane	8.56
4,4'-DDD	10.6
4,4'-DDE	ND< 3.28
4,4'-DDT	ND< 3.28
Dieldrin	ND< 3.28
Endosulfan I	ND< 3.28
Endosulfan II	ND< 3.28
Endosulfan Sulfate	32.1
Endrin	ND< 3.28
Endrin Aldehyde	ND< 3.28
Heptachlor	ND< 3.28
Heptachlor Epoxide	ND< 3.28
Methoxychlor	ND< 3.28
Toxaphene	ND< 164

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13637

Client Job Number: FN 050130

Field Location: TP-10 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

& 12/17/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.51
alpha-BHC	ND< 3.51
beta-BHC	ND< 3.51
delta-BHC	ND< 3.51
gamma-BHC	ND< 3.51
alpha-Chlordane	ND< 3.51
gamma-Chlordane	4.92
4,4'-DDD	ND< 3.51
4,4'-DDE	ND< 3.51
4,4'-DDT	ND< 3.51
Dieldrin	ND< 3.51
Endosulfan I	ND< 3.51
Endosulfan II	ND< 3.51
Endosulfan Sulfate	ND< 3.51
Endrin	ND< 3.51
Endrin Aldehyde	ND< 3.51
Heptachlor	ND< 3.51
Heptachlor Epoxide	ND< 3.51
Methoxychlor	ND< 3.51
Toxaphene	ND< 176

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13641

Client Job Number: FN 050130

Field Location: TP-14 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

& 12/17/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.68
alpha-BHC	ND< 3.68
beta-BHC	ND< 3.68
delta-BHC	ND< 3.68
gamma-BHC	ND< 3.68
alpha-Chlordane	ND< 3.68
gamma-Chlordane	6.10
4,4'-DDD	ND< 3.68
4,4'-DDE	ND< 3.68
4,4'-DDT	ND< 3.68
Dieldrin	ND< 3.68
Endosulfan I	ND< 3.68
Endosulfan II	ND< 3.68
Endosulfan Sulfate	ND< 3.68
Endrin	ND< 3.68
Endrin Aldehyde	ND< 3.68
Heptachlor	ND< 3.68
Heptachlor Epoxide	ND< 3.68
Methoxychlor	ND< 3.68
Toxaphene	ND< 184

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogasteger, Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13645

Client Job Number: FN 050130

Field Location: TP-16 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/16/2009

& 12/17/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.32
alpha-BHC	ND< 3.32
beta-BHC	ND< 3.32
delta-BHC	ND< 3.32
gamma-BHC	ND< 3.32
alpha-Chlordane	ND< 3.32
gamma-Chlordane	7.59
4,4'-DDD	ND< 3.32
4,4'-DDE	ND< 3.32
4,4'-DDT	ND< 3.32
Dieldrin	ND< 3.32
Endosulfan I	ND< 3.32
Endosulfan II	ND< 3.32
Endosulfan Sulfate	ND< 3.32
Endrin	ND< 3.32
Endrin Aldehyde	ND< 3.32
Heptachlor	ND< 3.32
Heptachlor Epoxide	ND< 3.32
Methoxychlor	ND< 3.32
Toxaphene	ND< 166

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13647

Client Job Number: FN 050130

Field Location: TP-17 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.39
alpha-BHC	ND< 3.39
beta-BHC	ND< 3.39
delta-BHC	ND< 3.39
gamma-BHC	ND< 3.39
alpha-Chlordane	ND< 3.39
gamma-Chlordane	14.4
4,4'-DDD	ND< 3.39
4,4'-DDE	ND< 3.39
4,4'-DDT	ND< 3.39
Dieldrin	ND< 3.39
Endosulfan I	ND< 3.39
Endosulfan II	ND< 3.39
Endosulfan Sulfate	ND< 3.39
Endrin	ND< 3.39
Endrin Aldehyde	ND< 3.39
Heptachlor	ND< 3.39
Heptachlor Epoxide	ND< 3.39
Methoxychlor	ND< 3.39
Toxaphene	ND< 170

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13648

Client Job Number: FN 050130

Field Location: TP-20 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.63
alpha-BHC	ND< 3.63
beta-BHC	ND< 3.63
delta-BHC	ND< 3.63
gamma-BHC	ND< 3.63
alpha-Chlordane	ND< 3.63
gamma-Chlordane	ND< 3.63
4,4'-DDD	ND< 3.63
4,4'-DDE	ND< 3.63
4,4'-DDT	ND< 3.63
Dieldrin	ND< 3.63
Endosulfan I	ND< 3.63
Endosulfan II	ND< 3.63
Endosulfan Sulfate	ND< 3.63
Endrin	ND< 3.63
Endrin Aldehyde	ND< 3.63
Heptachlor	ND< 3.63
Heptachlor Epoxide	ND< 3.63
Methoxychlor	ND< 3.63
Toxaphene	ND< 181

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13649

Client Job Number: FN 050130

Field Location: TP-1-2-5-6 0-1

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.46
alpha-BHC	ND< 3.46
beta-BHC	ND< 3.46
delta-BHC	ND< 3.46
gamma-BHC	ND< 3.46
alpha-Chlordane	15.9
gamma-Chlordane	ND< 3.46
4,4'-DDD	6.06
4,4'-DDE	ND< 3.46
4,4'-DDT	4.11
Dieldrin	ND< 3.46
Endosulfan I	ND< 3.46
Endosulfan II	ND< 3.46
Endosulfan Sulfate	44.1 *
Endrin	ND< 3.46
Endrin Aldehyde	ND< 3.46
Heptachlor	ND< 3.46
Heptachlor Epoxide	ND< 3.46
Methoxychlor	ND< 3.46
Toxaphene	ND< 173

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Sample result differs by more the 40% between primary and secondary column

Signature: _____

Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13650

Client Job Number: FN 050130

Field Location: TP-5-6-7-8 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.47
alpha-BHC	ND< 3.47
beta-BHC	ND< 3.47
delta-BHC	ND< 3.47
gamma-BHC	ND< 3.47
alpha-Chlordane	ND< 3.47
gamma-Chlordane	6.05
4,4'-DDD	ND< 3.47
4,4'-DDE	ND< 3.47
4,4'-DDT	ND< 3.47
Dieldrin	ND< 3.47
Endosulfan I	ND< 3.47
Endosulfan II	ND< 3.47
Endosulfan Sulfate	ND< 3.47
Endrin	ND< 3.47
Endrin Aldehyde	ND< 3.47
Heptachlor	ND< 3.47
Heptachlor Epoxide	ND< 3.47
Methoxychlor	ND< 3.47
Toxaphene	ND< 174

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13651

Client Job Number: FN 050130

Field Location: TP-7-8-11-12 0-1

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.52
alpha-BHC	ND< 3.52
beta-BHC	ND< 3.52
delta-BHC	ND< 3.52
gamma-BHC	ND< 3.52
alpha-Chlordane	ND< 3.52
gamma-Chlordane	3.77
4,4'-DDD	ND< 3.52
4,4'-DDE	ND< 3.52
4,4'-DDT	ND< 3.52
Dieldrin	ND< 3.52
Endosulfan I	ND< 3.52
Endosulfan II	ND< 3.52
Endosulfan Sulfate	ND< 3.52
Endrin	ND< 3.52
Endrin Aldehyde	ND< 3.52
Heptachlor	ND< 3.52
Heptachlor Epoxide	ND< 3.52
Methoxychlor	ND< 3.52
Toxaphene	ND< 176

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13652

Client Job Number: FN 050130

Field Location: TP-11-12-13-14 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.39
alpha-BHC	ND< 3.39
beta-BHC	ND< 3.39
delta-BHC	ND< 3.39
gamma-BHC	ND< 3.39
alpha-Chlordane	ND< 3.39
gamma-Chlordane	ND< 3.39
4,4'-DDD	ND< 3.39
4,4'-DDE	ND< 3.39
4,4'-DDT	ND< 3.39
Dieldrin	ND< 3.39
Endosulfan I	ND< 3.39
Endosulfan II	ND< 3.39
Endosulfan Sulfate	ND< 3.39
Endrin	ND< 3.39
Endrin Aldehyde	ND< 3.39
Heptachlor	ND< 3.39
Heptachlor Epoxide	ND< 3.39
Methoxychlor	ND< 3.39
Toxaphene	ND< 170

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____


Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13653

Client Job Number: FN 050130

Field Location: TP-13-14-19-20 0-1

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.54
alpha-BHC	ND< 3.54
beta-BHC	ND< 3.54
delta-BHC	ND< 3.54
gamma-BHC	ND< 3.54
alpha-Chlordane	ND< 3.54
gamma-Chlordane	3.75
4,4'-DDD	ND< 3.54
4,4'-DDE	ND< 3.54
4,4'-DDT	ND< 3.54
Dieldrin	ND< 3.54
Endosulfan I	ND< 3.54
Endosulfan II	ND< 3.54
Endosulfan Sulfate	ND< 3.54
Endrin	ND< 3.54
Endrin Aldehyde	ND< 3.54
Heptachlor	ND< 3.54
Heptachlor Epoxide	ND< 3.54
Methoxychlor	ND< 3.54
Toxaphene	ND< 177

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13654

Client Job Number: FN 050130

Field Location: TP-2-3-4-5 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

& 12/18/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.31
alpha-BHC	ND< 3.31
beta-BHC	ND< 3.31
delta-BHC	ND< 3.31
gamma-BHC	ND< 3.31
alpha-Chlordane	ND< 3.31
gamma-Chlordane	ND< 3.31
4,4'-DDD	ND< 3.31
4,4'-DDE	ND< 3.31
4,4'-DDT	ND< 3.31
Dieldrin	ND< 3.31
Endosulfan I	ND< 3.31
Endosulfan II	ND< 3.31
Endosulfan Sulfate	ND< 3.31
Endrin	ND< 3.31
Endrin Aldehyde	ND< 3.31
Heptachlor	ND< 3.31
Heptachlor Epoxide	ND< 3.31
Methoxychlor	ND< 3.31
Toxaphene	ND< 165

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13655

Client Job Number: FN 050130

Field Location: TP-4-5-8-9 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

& 12/18/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.26
alpha-BHC	ND< 3.26
beta-BHC	ND< 3.26
delta-BHC	ND< 3.26
gamma-BHC	ND< 3.26
alpha-Chlordane	ND< 3.26
gamma-Chlordane	3.49
4,4'-DDD	ND< 3.26
4,4'-DDE	ND< 3.26
4,4'-DDT	ND< 3.26
Dieldrin	ND< 3.26
Endosulfan I	ND< 3.26
Endosulfan II	ND< 3.26
Endosulfan Sulfate	ND< 3.26
Endrin	ND< 3.26
Endrin Aldehyde	ND< 3.26
Heptachlor	ND< 3.26
Heptachlor Epoxide	ND< 3.26
Methoxychlor	ND< 3.26
Toxaphene	ND< 163

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13656

Client Job Number: FN 050130

Field Location: TP-8-9-10-11 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

& 12/18/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.30
alpha-BHC	ND< 3.30
beta-BHC	ND< 3.30
delta-BHC	ND< 3.30
gamma-BHC	ND< 3.30
alpha-Chlordane	ND< 3.30
gamma-Chlordane	22.9 M
4,4'-DDD	ND< 3.30
4,4'-DDE	ND< 3.30
4,4'-DDT	ND< 3.30
Dieldrin	ND< 3.30
Endosulfan I	ND< 3.30
Endosulfan II	ND< 3.30
Endosulfan Sulfate	ND< 3.30
Endrin	ND< 3.30
Endrin Aldehyde	ND< 3.30
Heptachlor	ND< 3.30
Heptachlor Epoxide	ND< 3.30
Methoxychlor	ND< 3.30
Toxaphene	ND< 165

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13657

Client Job Number: FN 050130

Field Location: TP-10-11-14-15 0-1

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

& 12/18/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.48
alpha-BHC	ND< 3.48
beta-BHC	ND< 3.48
delta-BHC	ND< 3.48
gamma-BHC	ND< 3.48
alpha-Chlordane	ND< 3.48
gamma-Chlordane	ND< 3.48
4,4'-DDD	ND< 3.48
4,4'-DDE	ND< 3.48
4,4'-DDT	ND< 3.48
Dieldrin	ND< 3.48
Endosulfan I	ND< 3.48
Endosulfan II	ND< 3.48
Endosulfan Sulfate	ND< 3.48
Endrin	ND< 3.48
Endrin Aldehyde	ND< 3.48
Heptachlor	ND< 3.48
Heptachlor Epoxide	ND< 3.48
Methoxychlor	ND< 3.48
Toxaphene	ND< 174

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13658

Client Job Number: FN 050130

Field Location: TP-14-15-18-19 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

& 12/18/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.40
alpha-BHC	ND< 3.40
beta-BHC	ND< 3.40
delta-BHC	ND< 3.40
gamma-BHC	ND< 3.40
alpha-Chlordane	ND< 3.40
gamma-Chlordane	ND< 3.40
4,4'-DDD	ND< 3.40
4,4'-DDE	ND< 3.40
4,4'-DDT	ND< 3.40
Dieldrin	ND< 3.40
Endosulfan I	ND< 3.40
Endosulfan II	ND< 3.40
Endosulfan Sulfate	ND< 3.40
Endrin	ND< 3.40
Endrin Aldehyde	ND< 3.40
Heptachlor	ND< 3.40
Heptachlor Epoxide	ND< 3.40
Methoxychlor	ND< 3.40
Toxaphene	ND< 170

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13659

Client Job Number: FN 050130

Field Location: TP-15-16-17-18 0-1

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

& 12/18/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.43
alpha-BHC	ND< 3.43
beta-BHC	ND< 3.43
delta-BHC	ND< 3.43
gamma-BHC	ND< 3.43
alpha-Chlordane	ND< 3.43
gamma-Chlordane	ND< 3.43
4,4'-DDD	ND< 3.43
4,4'-DDE	ND< 3.43
4,4'-DDT	ND< 3.43
Dieldrin	ND< 3.43
Endosulfan I	ND< 3.43
Endosulfan II	ND< 3.43
Endosulfan Sulfate	ND< 3.43
Endrin	ND< 3.43
Endrin Aldehyde	ND< 3.43
Heptachlor	ND< 3.43
Heptachlor Epoxide	ND< 3.43
Methoxychlor	ND< 3.43
Toxaphene	ND< 172

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13660

Client Job Number: FN 050130

Field Location: TP-1-2-3 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

& 12/18/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.44
alpha-BHC	ND< 3.44
beta-BHC	ND< 3.44
delta-BHC	ND< 3.44
gamma-BHC	ND< 3.44
alpha-Chlordane	ND< 3.44
gamma-Chlordane	ND< 3.44
4,4'-DDD	ND< 3.44
4,4'-DDE	ND< 3.44
4,4'-DDT	ND< 3.44
Dieldrin	ND< 3.44
Endosulfan I	ND< 3.44
Endosulfan II	ND< 3.44
Endosulfan Sulfate	ND< 3.44
Endrin	ND< 3.44
Endrin Aldehyde	ND< 3.44
Heptachlor	ND< 3.44
Heptachlor Epoxide	ND< 3.44
Methoxychlor	3.74 *
Toxaphene	ND< 172

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

* Sample result differs by more the 40% between primary and secondary columns

Signature: _____

Bruce Hoogesteger: Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13661

Client Job Number: FN 050130

Field Location: TP-4-5-6 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

& 12/18/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.44
alpha-BHC	ND< 3.44
beta-BHC	ND< 3.44
delta-BHC	ND< 3.44
gamma-BHC	ND< 3.44
alpha-Chlordane	ND< 3.44
gamma-Chlordane	ND< 3.44
4,4'-DDD	ND< 3.44
4,4'-DDE	ND< 3.44
4,4'-DDT	ND< 3.44
Dieldrin	ND< 3.44
Endosulfan I	ND< 3.44
Endosulfan II	ND< 3.44
Endosulfan Sulfate	ND< 3.44
Endrin	ND< 3.44
Endrin Aldehyde	ND< 3.44
Heptachlor	ND< 3.44
Heptachlor Epoxide	ND< 3.44
Methoxychlor	ND< 3.44
Toxaphene	ND< 172

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13662

Client Job Number: FN 050130

Field Location: TP-10-11-12 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

& 12/18/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.36
alpha-BHC	ND< 3.36
beta-BHC	ND< 3.36
delta-BHC	ND< 3.36
gamma-BHC	ND< 3.36
alpha-Chlordane	ND< 3.36
gamma-Chlordane	ND< 3.36
4,4'-DDD	ND< 3.36
4,4'-DDE	ND< 3.36
4,4'-DDT	ND< 3.36
Dieldrin	ND< 3.36
Endosulfan I	ND< 3.36
Endosulfan II	ND< 3.36
Endosulfan Sulfate	ND< 3.36
Endrin	ND< 3.36
Endrin Aldehyde	ND< 3.36
Heptachlor	ND< 3.36
Heptachlor Epoxide	ND< 3.36
Methoxychlor	ND< 3.36
Toxaphene	ND< 168

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13663

Client Job Number: FN 050130

Field Location: TP-13-14-15-16 0-1

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

& 12/18/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.56
alpha-BHC	ND< 3.56
beta-BHC	ND< 3.56
delta-BHC	ND< 3.56
gamma-BHC	ND< 3.56
alpha-Chlordane	ND< 3.56
gamma-Chlordane	ND< 3.56
4,4'-DDD	ND< 3.56
4,4'-DDE	ND< 3.56
4,4'-DDT	ND< 3.56
Dieldrin	ND< 3.56
Endosulfan I	ND< 3.56
Endosulfan II	ND< 3.56
Endosulfan Sulfate	ND< 3.56
Endrin	ND< 3.56
Endrin Aldehyde	ND< 3.56
Heptachlor	ND< 3.56
Heptachlor Epoxide	ND< 3.56
Methoxychlor	ND< 3.56
Toxaphene	ND< 178

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Pesticide Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13664

Client Job Number: FN 050130

Field Location: TP-17-18-19-20 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/17/2009

& 12/18/2009

Pesticide Identification	Results in ug / Kg
Aldrin	ND< 3.56
alpha-BHC	ND< 3.56
beta-BHC	ND< 3.56
delta-BHC	ND< 3.56
gamma-BHC	ND< 3.56
alpha-Chlordane	ND< 3.56
gamma-Chlordane	ND< 3.56
4,4'-DDD	ND< 3.56
4,4'-DDE	ND< 3.56
4,4'-DDT	ND< 3.56
Dieldrin	ND< 3.56
Endosulfan I	ND< 3.56
Endosulfan II	ND< 3.56
Endosulfan Sulfate	ND< 3.56
Endrin	ND< 3.56
Endrin Aldehyde	ND< 3.56
Heptachlor	ND< 3.56
Heptachlor Epoxide	ND< 3.56
Methoxychlor	ND< 3.56
Toxaphene	ND< 178

ELAP Number 10958

Method: EPA 8081

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13626

Client Job Number: FN050130

Field Location: TP-1 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/14/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 351	Dibenz (a,h) anthracene	ND< 351
Anthracene	ND< 351	Fluoranthene	791
Benzo (a) anthracene	375	Fluorene	ND< 351
Benzo (a) pyrene	ND< 351	Indeno (1,2,3-cd) pyrene	508
Benzo (b) fluoranthene	515	Naphthalene	ND< 351
Benzo (g,h,i) perylene	ND< 351	Phenanthrene	ND< 351
Benzo (k) fluoranthene	ND< 351	Pyrene	640
Chrysene	410	Acenaphthylene	ND< 351
Diethyl phthalate	ND< 351	1,2-Dichlorobenzene	ND< 351
Dimethyl phthalate	ND< 879	1,3-Dichlorobenzene	ND< 351
Butylbenzylphthalate	ND< 351	1,4-Dichlorobenzene	ND< 351
Di-n-butyl phthalate	ND< 351	1,2,4-Trichlorobenzene	ND< 351
Di-n-octylphthalate	ND< 351	Nitrobenzene	ND< 351
Bis (2-ethylhexyl) phthalate	ND< 351	2,4-Dinitrotoluene	ND< 351
2-Chloronaphthalene	ND< 351	2,6-Dinitrotoluene	ND< 351
Hexachlorobenzene	ND< 351	Bis (2-chloroethyl) ether	ND< 351
Hexachloroethane	ND< 351	Bis (2-chloroisopropyl) ether	ND< 351
Hexachlorocyclopentadiene	ND< 351	Bis (2-chloroethoxy) methan	ND< 351
Hexachlorobutadiene	ND< 351	4-Bromophenyl phenyl ether	ND< 351
N-Nitroso-di-n-propylamine	ND< 351	4-Chlorophenyl phenyl ether	ND< 351
N-Nitrosodiphenylamine	ND< 351	Benzidine	ND< 879
N-Nitrosodimethylamine	ND< 351	3,3'-Dichlorobenzidine	ND< 351
Isophorone	ND< 351	4-Chloroaniline	ND< 351
Benzyl alcohol	ND< 879	2-Nitroaniline	ND< 879
Dibenzofuran	ND< 351	3-Nitroaniline	ND< 879
2-Methylnaphthalene	ND< 351	4-Nitroaniline	ND< 879

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 351	2-Methylphenol	ND< 351
2-Chlorophenol	ND< 351	3&4-Methylphenol	ND< 351
2,4-Dichlorophenol	ND< 351	2,4-Dimethylphenol	ND< 351
2,6-Dichlorophenol	ND< 351	2-Nitrophenol	ND< 351
2,4,5-Trichlorophenol	ND< 879	4-Nitrophenol	ND< 879
2,4,6-Trichlorophenol	ND< 351	2,4-Dinitrophenol	ND< 879
Pentachlorophenol	ND< 879	4,6-Dinitro-2-methylphenol	ND< 879
4-Chloro-3-methylphenol	ND< 351	Benzoic acid	ND< 879

ELAP Number 10958

Method: EPA 8270C

Data File: S48078.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

 Client: **Conrad Geoscience**

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13627

Client Job Number: FN050130

Field Location: TP-3 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/14/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 339	Dibenz (a,h) anthracene	ND< 339
Anthracene	ND< 339	Fluoranthene	ND< 339
Benzo (a) anthracene	ND< 339	Fluorene	ND< 339
Benzo (a) pyrene	ND< 339	Indeno (1,2,3-cd) pyrene	ND< 339
Benzo (b) fluoranthene	ND< 339	Naphthalene	ND< 339
Benzo (g,h,i) perylene	ND< 339	Phenanthrene	ND< 339
Benzo (k) fluoranthene	ND< 339	Pyrene	ND< 339
Chrysene	ND< 339	Acenaphthylene	ND< 339
Diethyl phthalate	ND< 339	1,2-Dichlorobenzene	ND< 339
Dimethyl phthalate	ND< 847	1,3-Dichlorobenzene	ND< 339
Butylbenzylphthalate	ND< 339	1,4-Dichlorobenzene	ND< 339
Di-n-butyl phthalate	ND< 339	1,2,4-Trichlorobenzene	ND< 339
Di-n-octylphthalate	ND< 339	Nitrobenzene	ND< 339
Bis (2-ethylhexyl) phthalate	ND< 339	2,4-Dinitrotoluene	ND< 339
2-Chloronaphthalene	ND< 339	2,6-Dinitrotoluene	ND< 339
Hexachlorobenzene	ND< 339	Bis (2-chloroethyl) ether	ND< 339
Hexachloroethane	ND< 339	Bis (2-chloroisopropyl) ether	ND< 339
Hexachlorocyclopentadiene	ND< 339	Bis (2-chloroethoxy) methan	ND< 339
Hexachlorobutadiene	ND< 339	4-Bromophenyl phenyl ether	ND< 339
N-Nitroso-di-n-propylamine	ND< 339	4-Chlorophenyl phenyl ether	ND< 339
N-Nitrosodiphenylamine	ND< 339	Benzidine	ND< 847
N-Nitrosodimethylamine	ND< 339	3,3'-Dichlorobenzidine	ND< 339
Isophorone	ND< 339	4-Chloroaniline	ND< 339
Benzyl alcohol	ND< 847	2-Nitroaniline	ND< 847
Dibenzofuran	ND< 339	3-Nitroaniline	ND< 847
2-Methylnaphthalene	ND< 339	4-Nitroaniline	ND< 847

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 339	2-Methylphenol	ND< 339
2-Chlorophenol	ND< 339	3&4-Methylphenol	ND< 339
2,4-Dichlorophenol	ND< 339	2,4-Dimethylphenol	ND< 339
2,6-Dichlorophenol	ND< 339	2-Nitrophenol	ND< 339
2,4,5-Trichlorophenol	ND< 847	4-Nitrophenol	ND< 847
2,4,6-Trichlorophenol	ND< 339	2,4-Dinitrophenol	ND< 847
Pentachlorophenol	ND< 847	4,6-Dinitro-2-methylphenol	ND< 847
4-Chloro-3-methylphenol	ND< 339	Benzoic acid	ND< 847

ELAP Number 10958

Method: EPA 8270C

Data File: S48079.D

 Comments: ND denotes Non Detect
 ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

 Client: **Conrad Geoscience**

 Client Job Site: **F & T Darrigo**

 Lab Project Number: **09-4494**

 Lab Sample Number: **13628**

 Client Job Number: **FN050130**

 Field Location: **TP-2 0-1**

 Date Sampled: **12/01/2009**

 Field ID Number: **N/A**

 Date Received: **12/04/2009**

 Sample Type: **Soil**

 Date Analyzed: **12/14/2009**

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 345	Dibenz (a,h) anthracene	ND< 345
Anthracene	ND< 345	Fluoranthene	973
Benzo (a) anthracene	477	Fluorene	ND< 345
Benzo (a) pyrene	372	Indeno (1,2,3-cd) pyrene	581
Benzo (b) fluoranthene	503	Naphthalene	ND< 345
Benzo (g,h,i) perylene	ND< 345	Phenanthrene	ND< 345
Benzo (k) fluoranthene	418	Pyrene	764
Chrysene	538	Acenaphthylene	ND< 345
Diethyl phthalate	ND< 345	1,2-Dichlorobenzene	ND< 345
Dimethyl phthalate	ND< 863	1,3-Dichlorobenzene	ND< 345
Butylbenzylphthalate	ND< 345	1,4-Dichlorobenzene	ND< 345
Di-n-butyl phthalate	ND< 345	1,2,4-Trichlorobenzene	ND< 345
Di-n-octylphthalate	ND< 345	Nitrobenzene	ND< 345
Bis (2-ethylhexyl) phthalate	ND< 345	2,4-Dinitrotoluene	ND< 345
2-Chloronaphthalene	ND< 345	2,6-Dinitrotoluene	ND< 345
Hexachlorobenzene	ND< 345	Bis (2-chloroethyl) ether	ND< 345
Hexachloroethane	ND< 345	Bis (2-chloroisopropyl) ether	ND< 345
Hexachlorocyclopentadiene	ND< 345	Bis (2-chloroethoxy) methan	ND< 345
Hexachlorobutadiene	ND< 345	4-Bromophenyl phenyl ether	ND< 345
N-Nitroso-di-n-propylamine	ND< 345	4-Chlorophenyl phenyl ether	ND< 345
N-Nitrosodiphenylamine	ND< 345	Benzidine	ND< 863
N-Nitrosodimethylamine	ND< 345	3,3'-Dichlorobenzidine	ND< 345
Isophorone	ND< 345	4-Chloroaniline	ND< 345
Benzyl alcohol	ND< 863	2-Nitroaniline	ND< 863
Dibenzofuran	ND< 345	3-Nitroaniline	ND< 863
2-Methylnaphthalene	ND< 345	4-Nitroaniline	ND< 863

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 345	2-Methylphenol	ND< 345
2-Chlorophenol	ND< 345	3&4-Methylphenol	ND< 345
2,4-Dichlorophenol	ND< 345	2,4-Dimethylphenol	ND< 345
2,6-Dichlorophenol	ND< 345	2-Nitrophenol	ND< 345
2,4,5-Trichlorophenol	ND< 863	4-Nitrophenol	ND< 863
2,4,6-Trichlorophenol	ND< 345	2,4-Dinitrophenol	ND< 863
Pentachlorophenol	ND< 863	4,6-Dinitro-2-methylphenol	ND< 863
4-Chloro-3-methylphenol	ND< 345	Benzoic acid	ND< 863

ELAP Number 10958

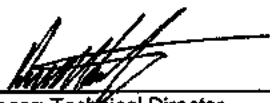
Method: EPA 8270C

Data File: S48080.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

 Client: **Conrad Geoscience**

 Client Job Site: **F & T Darrigo**

 Lab Project Number: **09-4494**

 Lab Sample Number: **13630**

 Client Job Number: **FN050130**

 Field Location: **TP-5 0-1**

 Date Sampled: **12/01/2009**

 Field ID Number: **N/A**

 Date Received: **12/04/2009**

 Sample Type: **Soil**

 Date Analyzed: **12/14/2009**

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 328	Dibenz (a,h) anthracene	ND< 328
Anthracene	ND< 328	Fluoranthene	ND< 328
Benzo (a) anthracene	ND< 328	Fluorene	ND< 328
Benzo (a) pyrene	ND< 328	Indeno (1,2,3-cd) pyrene	ND< 328
Benzo (b) fluoranthene	ND< 328	Naphthalene	ND< 328
Benzo (g,h,i) perylene	ND< 328	Phenanthrene	ND< 328
Benzo (k) fluoranthene	ND< 328	Pyrene	ND< 328
Chrysene	ND< 328	Acenaphthylene	ND< 328
Diethyl phthalate	ND< 328	1,2-Dichlorobenzene	ND< 328
Dimethyl phthalate	ND< 821	1,3-Dichlorobenzene	ND< 328
Butylbenzylphthalate	ND< 328	1,4-Dichlorobenzene	ND< 328
Di-n-butyl phthalate	ND< 328	1,2,4-Trichlorobenzene	ND< 328
Di-n-octylphthalate	ND< 328	Nitrobenzene	ND< 328
Bis (2-ethylhexyl) phthalate	ND< 328	2,4-Dinitrotoluene	ND< 328
2-Chloronaphthalene	ND< 328	2,6-Dinitrotoluene	ND< 328
Hexachlorobenzene	ND< 328	Bis (2-chloroethyl) ether	ND< 328
Hexachloroethane	ND< 328	Bis (2-chloroisopropyl) ether	ND< 328
Hexachlorocyclopentadiene	ND< 328	Bis (2-chloroethoxy) methan	ND< 328
Hexachlorobutadiene	ND< 328	4-Bromophenyl phenyl ether	ND< 328
N-Nitroso-di-n-propylamine	ND< 328	4-Chlorophenyl phenyl ether	ND< 328
N-Nitrosodiphenylamine	ND< 328	Benzidine	ND< 821
N-Nitrosodimethylamine	ND< 328	3,3'-Dichlorobenzidine	ND< 328
Isophorone	ND< 328	4-Chloroaniline	ND< 328
Benzyl alcohol	ND< 821	2-Nitroaniline	ND< 821
Dibenzofuran	ND< 328	3-Nitroaniline	ND< 821
2-Methylnaphthalene	ND< 328	4-Nitroaniline	ND< 821

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 328	2-Methylphenol	ND< 328
2-Chlorophenol	ND< 328	3&4-Methylphenol	ND< 328
2,4-Dichlorophenol	ND< 328	2,4-Dimethylphenol	ND< 328
2,6-Dichlorophenol	ND< 328	2-Nitrophenol	ND< 328
2,4,5-Trichlorophenol	ND< 821	4-Nitrophenol	ND< 821
2,4,6-Trichlorophenol	ND< 328	2,4-Dinitrophenol	ND< 821
Pentachlorophenol	ND< 821	4,6-Dinitro-2-methylphenol	ND< 821
4-Chloro-3-methylphenol	ND< 328	Benzoic acid	ND< 821

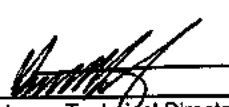
ELAP Number 10958

Method: EPA 8270C

Data File: S48081.D

 Comments: ND denotes Non Detect
 ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13637

Client Job Number: FN050130

Field Location: TP-10 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/14/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 348	Dibenz (a,h) anthracene	ND< 348
Anthracene	ND< 348	Fluoranthene	ND< 348
Benzo (a) anthracene	ND< 348	Fluorene	ND< 348
Benzo (a) pyrene	ND< 348	Indeno (1,2,3-cd) pyrene	ND< 348
Benzo (b) fluoranthene	ND< 348	Naphthalene	ND< 348
Benzo (g,h,i) perylene	ND< 348	Phenanthrene	ND< 348
Benzo (k) fluoranthene	ND< 348	Pyrene	ND< 348
Chrysene	ND< 348	Acenaphthylene	ND< 348
Diethyl phthalate	ND< 348	1,2-Dichlorobenzene	ND< 348
Dimethyl phthalate	ND< 871	1,3-Dichlorobenzene	ND< 348
Butylbenzylphthalate	ND< 348	1,4-Dichlorobenzene	ND< 348
Di-n-butyl phthalate	ND< 348	1,2,4-Trichlorobenzene	ND< 348
Di-n-octylphthalate	ND< 348	Nitrobenzene	ND< 348
Bis (2-ethylhexyl) phthalate	ND< 348	2,4-Dinitrotoluene	ND< 348
2-Chloronaphthalene	ND< 348	2,6-Dinitrotoluene	ND< 348
Hexachlorobenzene	ND< 348	Bis (2-chloroethyl) ether	ND< 348
Hexachloroethane	ND< 348	Bis (2-chloroisopropyl) ether	ND< 348
Hexachlorocyclopentadiene	ND< 348	Bis (2-chloroethoxy) methan	ND< 348
Hexachlorobutadiene	ND< 348	4-Bromophenyl phenyl ether	ND< 348
N-Nitroso-di-n-propylamine	ND< 348	4-Chlorophenyl phenyl ether	ND< 348
N-Nitrosodiphenylamine	ND< 348	Benzidine	ND< 871
N-Nitrosodimethylamine	ND< 348	3,3'-Dichlorobenzidine	ND< 348
Isophorone	ND< 348	4-Chloroaniline	ND< 348
Benzyl alcohol	ND< 871	2-Nitroaniline	ND< 871
Dibenzofuran	ND< 348	3-Nitroaniline	ND< 871
2-Methylnaphthalene	ND< 348	4-Nitroaniline	ND< 871

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 348	2-Methylphenol	ND< 348
2-Chlorophenol	ND< 348	3&4-Methylphenol	ND< 348
2,4-Dichlorophenol	ND< 348	2,4-Dimethylphenol	ND< 348
2,6-Dichlorophenol	ND< 348	2-Nitrophenol	ND< 348
2,4,5-Trichlorophenol	ND< 871	4-Nitrophenol	ND< 871
2,4,6-Trichlorophenol	ND< 348	2,4-Dinitrophenol	ND< 871
Pentachlorophenol	ND< 871	4,6-Dinitro-2-methylphenol	ND< 871
4-Chloro-3-methylphenol	ND< 348	Benzoic acid	ND< 871

ELAP Number 10958

Method: EPA 8270C

Data File: S48082.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/SludgesClient: **Conrad Geoscience**

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13641

Client Job Number: FN050130

Field Location: TP-14 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/14/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 367	Dibenz (a,h) anthracene	ND< 367
Anthracene	ND< 367	Fluoranthene	ND< 367
Benzo (a) anthracene	ND< 367	Fluorene	ND< 367
Benzo (a) pyrene	ND< 367	Indeno (1,2,3-cd) pyrene	ND< 367
Benzo (b) fluoranthene	ND< 367	Naphthalene	ND< 367
Benzo (g,h,i) perylene	ND< 367	Phenanthrene	ND< 367
Benzo (k) fluoranthene	ND< 367	Pyrene	ND< 367
Chrysene	ND< 367	Acenaphthylene	ND< 367
Diethyl phthalate	ND< 367	1,2-Dichlorobenzene	ND< 367
Dimethyl phthalate	ND< 918	1,3-Dichlorobenzene	ND< 367
Butylbenzylphthalate	ND< 367	1,4-Dichlorobenzene	ND< 367
Di-n-butyl phthalate	ND< 367	1,2,4-Trichlorobenzene	ND< 367
Di-n-octylphthalate	ND< 367	Nitrobenzene	ND< 367
Bis (2-ethylhexyl) phthalate	ND< 367	2,4-Dinitrotoluene	ND< 367
2-Chloronaphthalene	ND< 367	2,6-Dinitrotoluene	ND< 367
Hexachlorobenzene	ND< 367	Bis (2-chloroethyl) ether	ND< 367
Hexachloroethane	ND< 367	Bis (2-chloroisopropyl) ether	ND< 367
Hexachlorocyclopentadiene	ND< 367	Bis (2-chloroethoxy) methan	ND< 367
Hexachlorobutadiene	ND< 367	4-Bromophenyl phenyl ether	ND< 367
N-Nitroso-di-n-propylamine	ND< 367	4-Chlorophenyl phenyl ether	ND< 367
N-Nitrosodiphenylamine	ND< 367	Benzidine	ND< 918
N-Nitrosodimethylamine	ND< 367	3,3'-Dichlorobenzidine	ND< 367
Isophorone	ND< 367	4-Chloroaniline	ND< 367
Benzyl alcohol	ND< 918	2-Nitroaniline	ND< 918
Dibenzofuran	ND< 367	3-Nitroaniline	ND< 918
2-Methylnaphthalene	ND< 367	4-Nitroaniline	ND< 918

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 367 M	2-Methylphenol	ND< 367
2-Chlorophenol	ND< 367	3&4-Methylphenol	ND< 367
2,4-Dichlorophenol	ND< 367 M	2,4-Dimethylphenol	ND< 367 M
2,6-Dichlorophenol	ND< 367 M	2-Nitrophenol	ND< 367
2,4,5-Trichlorophenol	ND< 918	4-Nitrophenol	ND< 918 M
2,4,6-Trichlorophenol	ND< 367	2,4-Dinitrophenol	ND< 918
Pentachlorophenol	ND< 918 M	4,6-Dinitro-2-methylphenol	ND< 918
4-Chloro-3-methylphenol	ND< 367 M	Benzoic acid	ND< 918

ELAP Number 10958

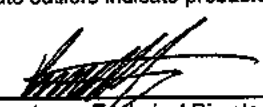
Method: EPA 8270C

Data File: S48083.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: 

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

094494S6.XLS



Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13645

Client Job Number: FN050130

Field Location: TP-16 0-1

Field ID Number: N/A

Sample Type: Soil

Date Sampled: 12/01/2009

Date Received: 12/04/2009

Date Analyzed: 12/14/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 330	Dibenz (a,h) anthracene	ND< 330
Anthracene	ND< 330	Fluoranthene	ND< 330
Benzo (a) anthracene	ND< 330	Fluorene	ND< 330
Benzo (a) pyrene	ND< 330	Indeno (1,2,3-cd) pyrene	ND< 330
Benzo (b) fluoranthene	ND< 330	Naphthalene	ND< 330
Benzo (g,h,i) perylene	ND< 330	Phenanthrene	ND< 330
Benzo (k) fluoranthene	ND< 330	Pyrene	ND< 330
Chrysene	ND< 330	Acenaphthylene	ND< 330
Diethyl phthalate	ND< 330	1,2-Dichlorobenzene	ND< 330
Dimethyl phthalate	ND< 825	1,3-Dichlorobenzene	ND< 330
Butylbenzylphthalate	ND< 330	1,4-Dichlorobenzene	ND< 330
Di-n-butyl phthalate	ND< 330	1,2,4-Trichlorobenzene	ND< 330
Di-n-octylphthalate	ND< 330	Nitrobenzene	ND< 330
Bis (2-ethylhexyl) phthalate	ND< 330	2,4-Dinitrotoluene	ND< 330
2-Chloronaphthalene	ND< 330	2,6-Dinitrotoluene	ND< 330
Hexachlorobenzene	ND< 330	Bis (2-chloroethyl) ether	ND< 330
Hexachloroethane	ND< 330	Bis (2-chloroisopropyl) ether	ND< 330
Hexachlorocyclopentadiene	ND< 330	Bis (2-chloroethoxy) methan	ND< 330
Hexachlorobutadiene	ND< 330	4-Bromophenyl phenyl ether	ND< 330
N-Nitroso-di-n-propylamine	ND< 330	4-Chlorophenyl phenyl ether	ND< 330
N-Nitrosodiphenylamine	ND< 330	Benzidine	ND< 825
N-Nitrosodimethylamine	ND< 330	3,3'-Dichlorobenzidine	ND< 330
Isophorone	ND< 330	4-Chloroaniline	ND< 330
Benzyl alcohol	ND< 825	2-Nitroaniline	ND< 825
Dibenzofuran	ND< 330	3-Nitroaniline	ND< 825
2-Methylnapthalene	ND< 330	4-Nitroaniline	ND< 825

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 330	2-Methylphenol	ND< 330
2-Chlorophenol	ND< 330	3&4-Methylphenol	ND< 330
2,4-Dichlorophenol	ND< 330	2,4-Dimethylphenol	ND< 330
2,6-Dichlorophenol	ND< 330	2-Nitrophenol	ND< 330
2,4,5-Trichlorophenol	ND< 825	4-Nitrophenol	ND< 825
2,4,6-Trichlorophenol	ND< 330	2,4-Dinitrophenol	ND< 825
Pentachlorophenol	ND< 825	4,6-Dinitro-2-methylphenol	ND< 825
4-Chloro-3-methylphenol	ND< 330	Benzoic acid	ND< 825

ELAP Number 10958

Method: EPA 8270C

Data File: S48086.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director



Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13647

Client Job Number: FN050130

Field Location: TP-17 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/14/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 340	Dibenz (a,h) anthracene	ND< 340
Anthracene	ND< 340	Fluoranthene	ND< 340
Benzo (a) anthracene	ND< 340	Fluorene	ND< 340
Benzo (a) pyrene	ND< 340	Indeno (1,2,3-cd) pyrene	ND< 340
Benzo (b) fluoranthene	ND< 340	Naphthalene	ND< 340
Benzo (g,h,i) perylene	ND< 340	Phenanthrene	ND< 340
Benzo (k) fluoranthene	ND< 340	Pyrene	ND< 340
Chrysene	ND< 340	Acenaphthylene	ND< 340
Diethyl phthalate	ND< 340	1,2-Dichlorobenzene	ND< 340
Dimethyl phthalate	ND< 850	1,3-Dichlorobenzene	ND< 340
Butylbenzylphthalate	ND< 340	1,4-Dichlorobenzene	ND< 340
Di-n-butyl phthalate	ND< 340	1,2,4-Trichlorobenzene	ND< 340
Di-n-octylphthalate	ND< 340	Nitrobenzene	ND< 340
Bis (2-ethylhexyl) phthalate	ND< 340	2,4-Dinitrotoluene	ND< 340
2-Chloronaphthalene	ND< 340	2,6-Dinitrotoluene	ND< 340
Hexachlorobenzene	ND< 340	Bis (2-chloroethyl) ether	ND< 340
Hexachloroethane	ND< 340	Bis (2-chloroisopropyl) ether	ND< 340
Hexachlorocyclopentadiene	ND< 340	Bis (2-chloroethoxy) methan	ND< 340
Hexachlorobutadiene	ND< 340	4-Bromophenyl phenyl ether	ND< 340
N-Nitroso-di-n-propylamine	ND< 340	4-Chlorophenyl phenyl ether	ND< 340
N-Nitrosodiphenylamine	ND< 340	Benzidine	ND< 850
N-Nitrosodimethylamine	ND< 340	3,3'-Dichlorobenzidine	ND< 340
Isophorone	ND< 340	4-Chloroaniline	ND< 340
Benzyl alcohol	ND< 850	2-Nitroaniline	ND< 850
Dibenzofuran	ND< 340	3-Nitroaniline	ND< 850
2-Methylnapthalene	ND< 340	4-Nitroaniline	ND< 850

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 340	2-Methylphenol	ND< 340
2-Chlorophenol	ND< 340	3&4-Methylphenol	ND< 340
2,4-Dichlorophenol	ND< 340	2,4-Dimethylphenol	ND< 340
2,6-Dichlorophenol	ND< 340	2-Nitrophenol	ND< 340
2,4,5-Trichlorophenol	ND< 850	4-Nitrophenol	ND< 850
2,4,6-Trichlorophenol	ND< 340	2,4-Dinitrophenol	ND< 850
Pentachlorophenol	ND< 850	4,6-Dinitro-2-methylphenol	ND< 850
4-Chloro-3-methylphenol	ND< 340	Benzoic acid	ND< 850

ELAP Number 10958

Method: EPA 8270C

Data File: S48087.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Semi-Volatile Analysis Report for Soils/Solids/SludgesClient: **Conrad Geoscience**

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13648

Client Job Number: FN050130

Field Location: TP-20 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/14/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 364	Dibenz (a,h) anthracene	ND< 364
Anthracene	ND< 364	Fluoranthene	ND< 364
Benzo (a) anthracene	ND< 364	Fluorene	ND< 364
Benzo (a) pyrene	ND< 364	Indeno (1,2,3-cd) pyrene	ND< 364
Benzo (b) fluoranthene	ND< 364	Naphthalene	ND< 364
Benzo (g,h,i) perylene	ND< 364	Phenanthrene	ND< 364
Benzo (k) fluoranthene	ND< 364	Pyrene	ND< 364
Chrysene	ND< 364	Acenaphthylene	ND< 364
Diethyl phthalate	ND< 364	1,2-Dichlorobenzene	ND< 364
Dimethyl phthalate	ND< 910	1,3-Dichlorobenzene	ND< 364
Butylbenzylphthalate	ND< 364	1,4-Dichlorobenzene	ND< 364
Di-n-butyl phthalate	ND< 364	1,2,4-Trichlorobenzene	ND< 364
Di-n-octylphthalate	ND< 364	Nitrobenzene	ND< 364
Bis (2-ethylhexyl) phthalate	ND< 364	2,4-Dinitrotoluene	ND< 364
2-Chloronaphthalene	ND< 364	2,6-Dinitrotoluene	ND< 364
Hexachlorobenzene	ND< 364	Bis (2-chloroethyl) ether	ND< 364
Hexachloroethane	ND< 364	Bis (2-chloroisopropyl) ether	ND< 364
Hexachlorocyclopentadiene	ND< 364	Bis (2-chloroethoxy) methan	ND< 364
Hexachlorobutadiene	ND< 364	4-Bromophenyl phenyl ether	ND< 364
N-Nitroso-di-n-propylamine	ND< 364	4-Chlorophenyl phenyl ether	ND< 364
N-Nitrosodiphenylamine	ND< 364	Benzidine	ND< 910
N-Nitrosodimethylamine	ND< 364	3,3'-Dichlorobenzidine	ND< 364
Isophorone	ND< 364	4-Chloroaniline	ND< 364
Benzyl alcohol	ND< 910	2-Nitroaniline	ND< 910
Dibenzofuran	ND< 364	3-Nitroaniline	ND< 910
2-Methylnaphthalene	ND< 364	4-Nitroaniline	ND< 910

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 364	2-Methylphenol	ND< 364
2-Chlorophenol	ND< 364	3&4-Methylphenol	ND< 364
2,4-Dichlorophenol	ND< 364	2,4-Dimethylphenol	ND< 364
2,6-Dichlorophenol	ND< 364	2-Nitrophenol	ND< 364
2,4,5-Trichlorophenol	ND< 910	4-Nitrophenol	ND< 910
2,4,6-Trichlorophenol	ND< 364	2,4-Dinitrophenol	ND< 910
Pentachlorophenol	ND< 910	4,6-Dinitro-2-methylphenol	ND< 910
4-Chloro-3-methylphenol	ND< 364	Benzoic acid	ND< 910

ELAP Number 10958

Method: EPA 8270C

Data File: S48088.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: 

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

094494S9.XLS



Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13649

Client Job Number: FN050130

Field Location: TP-1-2-5-6 0-1

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/14/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 343	Dibenz (a,h) anthracene	ND< 343
Anthracene	ND< 343	Fluoranthene	ND< 343
Benzo (a) anthracene	ND< 343	Fluorene	ND< 343
Benzo (a) pyrene	ND< 343	Indeno (1,2,3-cd) pyrene	ND< 343
Benzo (b) fluoranthene	ND< 343	Naphthalene	ND< 343
Benzo (g,h,i) perylene	ND< 343	Phenanthrene	ND< 343
Benzo (k) fluoranthene	ND< 343	Pyrene	ND< 343
Chrysene	ND< 343	Acenaphthylene	ND< 343
Diethyl phthalate	ND< 343	1,2-Dichlorobenzene	ND< 343
Dimethyl phthalate	ND< 858	1,3-Dichlorobenzene	ND< 343
Butylbenzylphthalate	ND< 343	1,4-Dichlorobenzene	ND< 343
Di-n-butyl phthalate	ND< 343	1,2,4-Trichlorobenzene	ND< 343
Di-n-octylphthalate	ND< 343	Nitrobenzene	ND< 343
Bis (2-ethylhexyl) phthalate	ND< 343	2,4-Dinitrotoluene	ND< 343
2-Chloronaphthalene	ND< 343	2,6-Dinitrotoluene	ND< 343
Hexachlorobenzene	ND< 343	Bis (2-chloroethyl) ether	ND< 343
Hexachloroethane	ND< 343	Bis (2-chloroisopropyl) ether	ND< 343
Hexachlorocyclopentadiene	ND< 343	Bis (2-chloroethoxy) methan	ND< 343
Hexachlorobutadiene	ND< 343	4-Bromophenyl phenyl ether	ND< 343
N-Nitroso-di-n-propylamine	ND< 343	4-Chlorophenyl phenyl ether	ND< 343
N-Nitrosodiphenylamine	ND< 343	Benzidine	ND< 858
N-Nitrosodimethylamine	ND< 343	3,3'-Dichlorobenzidine	ND< 343
Isophorone	ND< 343	4-Chloroaniline	ND< 343
Benzyl alcohol	ND< 858	2-Nitroaniline	ND< 858
Dibenzofuran	ND< 343	3-Nitroaniline	ND< 858
2-Methylnaphthalene	ND< 343	4-Nitroaniline	ND< 858

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 343	2-Methylphenol	ND< 343
2-Chlorophenol	ND< 343	3&4-Methylphenol	ND< 343
2,4-Dichlorophenol	ND< 343	2,4-Dimethylphenol	ND< 343
2,6-Dichlorophenol	ND< 343	2-Nitrophenol	ND< 343
2,4,5-Trichlorophenol	ND< 858	4-Nitrophenol	ND< 858
2,4,6-Trichlorophenol	ND< 343	2,4-Dinitrophenol	ND< 858
Pentachlorophenol	ND< 858	4,6-Dinitro-2-methylphenol	ND< 858
4-Chloro-3-methylphenol	ND< 343	Benzoic acid	ND< 858

ELAP Number 10958

Method: EPA 8270C

Data File: S48089.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13650

Client Job Number: FN050130

Field Location: TP-5-6-7-8 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/14/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 347	Dibenz (a,h) anthracene	ND< 347
Anthracene	ND< 347	Fluoranthene	ND< 347
Benzo (a) anthracene	ND< 347	Fluorene	ND< 347
Benzo (a) pyrene	ND< 347	Indeno (1,2,3-cd) pyrene	ND< 347
Benzo (b) fluoranthene	ND< 347	Naphthalene	ND< 347
Benzo (g,h,i) perylene	ND< 347	Phenanthrene	ND< 347
Benzo (k) fluoranthene	ND< 347	Pyrene	ND< 347
Chrysene	ND< 347	Acenaphthylene	ND< 347
Diethyl phthalate	ND< 347	1,2-Dichlorobenzene	ND< 347
Dimethyl phthalate	ND< 869	1,3-Dichlorobenzene	ND< 347
Butylbenzylphthalate	ND< 347	1,4-Dichlorobenzene	ND< 347
Di-n-butyl phthalate	ND< 347	1,2,4-Trichlorobenzene	ND< 347
Di-n-octylphthalate	ND< 347	Nitrobenzene	ND< 347
Bis (2-ethylhexyl) phthalate	ND< 347	2,4-Dinitrotoluene	ND< 347
2-Chloronaphthalene	ND< 347	2,6-Dinitrotoluene	ND< 347
Hexachlorobenzene	ND< 347	Bis (2-chloroethyl) ether	ND< 347
Hexachloroethane	ND< 347	Bis (2-chloroisopropyl) ether	ND< 347
Hexachlorocyclopentadiene	ND< 347	Bis (2-chloroethoxy) methan	ND< 347
Hexachlorobutadiene	ND< 347	4-Bromophenyl phenyl ether	ND< 347
N-Nitroso-di-n-propylamine	ND< 347	4-Chlorophenyl phenyl ether	ND< 347
N-Nitrosodiphenylamine	ND< 347	Benzidine	ND< 869
N-Nitrosodimethylamine	ND< 347	3,3'-Dichlorobenzidine	ND< 347
Isophorone	ND< 347	4-Chloroaniline	ND< 347
Benzyl alcohol	ND< 869	2-Nitroaniline	ND< 869
Dibenzofuran	ND< 347	3-Nitroaniline	ND< 869
2-Methylnaphthalene	ND< 347	4-Nitroaniline	ND< 869

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 347	2-Methylphenol	ND< 347
2-Chlorophenol	ND< 347	3&4-Methylphenol	ND< 347
2,4-Dichlorophenol	ND< 347	2,4-Dimethylphenol	ND< 347
2,6-Dichlorophenol	ND< 347	2-Nitrophenol	ND< 347
2,4,5-Trichlorophenol	ND< 869	4-Nitrophenol	ND< 869
2,4,6-Trichlorophenol	ND< 347	2,4-Dinitrophenol	ND< 869
Pentachlorophenol	ND< 869	4,6-Dinitro-2-methylphenol	ND< 869
4-Chloro-3-methylphenol	ND< 347	Benzoic acid	ND< 869

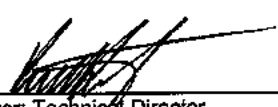
ELAP Number 10958

Method: EPA 8270C

Data File: S48090.D

Comments: ND denotes Non Detect
 ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13651

Client Job Number: FN050130

Field Location: TP-7-8-11-12 0-1

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/14/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 352	Dibenz (a,h) anthracene	ND< 352
Anthracene	ND< 352	Fluoranthene	ND< 352
Benzo (a) anthracene	ND< 352	Fluorene	ND< 352
Benzo (a) pyrene	ND< 352	Indeno (1,2,3-cd) pyrene	ND< 352
Benzo (b) fluoranthene	ND< 352	Naphthalene	ND< 352
Benzo (g,h,i) perylene	ND< 352	Phenanthrene	ND< 352
Benzo (k) fluoranthene	ND< 352	Pyrene	ND< 352
Chrysene	ND< 352	Acenaphthylene	ND< 352
Diethyl phthalate	ND< 352	1,2-Dichlorobenzene	ND< 352
Dimethyl phthalate	ND< 879	1,3-Dichlorobenzene	ND< 352
Butylbenzylphthalate	ND< 352	1,4-Dichlorobenzene	ND< 352
Di-n-butyl phthalate	ND< 352	1,2,4-Trichlorobenzene	ND< 352
Di-n-octylphthalate	ND< 352	Nitrobenzene	ND< 352
Bis (2-ethylhexyl) phthalate	ND< 352	2,4-Dinitrotoluene	ND< 352
2-Chloronaphthalene	ND< 352	2,6-Dinitrotoluene	ND< 352
Hexachlorobenzene	ND< 352	Bis (2-chloroethyl) ether	ND< 352
Hexachloroethane	ND< 352	Bis (2-chloroisopropyl) ether	ND< 352
Hexachlorocyclopentadiene	ND< 352	Bis (2-chloroethoxy) methan	ND< 352
Hexachlorobutadiene	ND< 352	4-Bromophenyl phenyl ether	ND< 352
N-Nitroso-di-n-propylamine	ND< 352	4-Chlorophenyl phenyl ether	ND< 352
N-Nitrosodiphenylamine	ND< 352	Benzidine	ND< 879
N-Nitrosodimethylamine	ND< 352	3,3'-Dichlorobenzidine	ND< 352
Isophorone	ND< 352	4-Chloroaniline	ND< 352
Benzyl alcohol	ND< 879	2-Nitroaniline	ND< 879
Dibenzofuran	ND< 352	3-Nitroaniline	ND< 879
2-Methylnaphthalene	ND< 352	4-Nitroaniline	ND< 879

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 352	2-Methylphenol	ND< 352
2-Chlorophenol	ND< 352	3&4-Methylphenol	ND< 352
2,4-Dichlorophenol	ND< 352	2,4-Dimethylphenol	ND< 352
2,6-Dichlorophenol	ND< 352	2-Nitrophenol	ND< 352
2,4,5-Trichlorophenol	ND< 879	4-Nitrophenol	ND< 879
2,4,6-Trichlorophenol	ND< 352	2,4-Dinitrophenol	ND< 879
Pentachlorophenol	ND< 879	4,6-Dinitro-2-methylphenol	ND< 879
4-Chloro-3-methylphenol	ND< 352	Benzoic acid	ND< 879

ELAP Number 10958

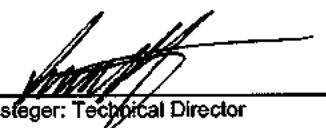
Method: EPA 8270C

Data File: S48091.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogseeger: Technical Director



Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13652

Client Job Number: FN050130

Field Location: TP-11-12-13-14 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 338	Dibenz (a,h) anthracene	ND< 338
Anthracene	ND< 338	Fluoranthene	ND< 338
Benzo (a) anthracene	ND< 338	Fluorene	ND< 338
Benzo (a) pyrene	ND< 338	Indeno (1,2,3-cd) pyrene	ND< 338
Benzo (b) fluoranthene	ND< 338	Naphthalene	ND< 338
Benzo (g,h,i) perylene	ND< 338	Phenanthrene	ND< 338
Benzo (k) fluoranthene	ND< 338	Pyrene	ND< 338
Chrysene	ND< 338	Acenaphthylene	ND< 338
Diethyl phthalate	ND< 338	1,2-Dichlorobenzene	ND< 338
Dimethyl phthalate	ND< 844	1,3-Dichlorobenzene	ND< 338
Butylbenzylphthalate	ND< 338	1,4-Dichlorobenzene	ND< 338
Di-n-butyl phthalate	ND< 338	1,2,4-Trichlorobenzene	ND< 338
Di-n-octylphthalate	ND< 338	Nitrobenzene	ND< 338
Bis (2-ethylhexyl) phthalate	ND< 338	2,4-Dinitrotoluene	ND< 338
2-Chloronaphthalene	ND< 338	2,6-Dinitrotoluene	ND< 338
Hexachlorobenzene	ND< 338	Bis (2-chloroethyl) ether	ND< 338
Hexachloroethane	ND< 338	Bis (2-chloroisopropyl) ether	ND< 338
Hexachlorocyclopentadiene	ND< 338	Bis (2-chloroethoxy) methan	ND< 338
Hexachlorobutadiene	ND< 338	4-Bromophenyl phenyl ether	ND< 338
N-Nitroso-di-n-propylamine	ND< 338	4-Chlorophenyl phenyl ether	ND< 338
N-Nitrosodiphenylamine	ND< 338	Benzidine	ND< 844
N-Nitrosodimethylamine	ND< 338	3,3'-Dichlorobenzidine	ND< 338
Isophorone	ND< 338	4-Chloroaniline	ND< 338
Benzyl alcohol	ND< 844	2-Nitroaniline	ND< 844
Dibenzofuran	ND< 338	3-Nitroaniline	ND< 844
2-Methylnaphthalene	ND< 338	4-Nitroaniline	ND< 844

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 338	2-Methylphenol	ND< 338
2-Chlorophenol	ND< 338	3&4-Methylphenol	ND< 338
2,4-Dichlorophenol	ND< 338	2,4-Dimethylphenol	ND< 338
2,6-Dichlorophenol	ND< 338	2-Nitrophenol	ND< 338
2,4,5-Trichlorophenol	ND< 844	4-Nitrophenol	ND< 844
2,4,6-Trichlorophenol	ND< 338	2,4-Dinitrophenol	ND< 844
Pentachlorophenol	ND< 844	4,6-Dinitro-2-methylphenol	ND< 844
4-Chloro-3-methylphenol	ND< 338	Benzoic acid	ND< 844

ELAP Number 10958

Method: EPA 8270C

Data File: S48096.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13653

Client Job Number: FN050130

Field Location: TP-13-14-19-20 0-1

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 355	Dibenz (a,h) anthracene	ND< 355
Anthracene	ND< 355	Fluoranthene	ND< 355
Benzo (a) anthracene	ND< 355	Fluorene	ND< 355
Benzo (a) pyrene	ND< 355	Indeno (1,2,3-cd) pyrene	ND< 355
Benzo (b) fluoranthene	ND< 355	Naphthalene	ND< 355
Benzo (g,h,i) perylene	ND< 355	Phenanthrene	ND< 355
Benzo (k) fluoranthene	ND< 355	Pyrene	ND< 355
Chrysene	ND< 355	Acenaphthylene	ND< 355
Diethyl phthalate	ND< 355	1,2-Dichlorobenzene	ND< 355
Dimethyl phthalate	ND< 887	1,3-Dichlorobenzene	ND< 355
Butylbenzylphthalate	ND< 355	1,4-Dichlorobenzene	ND< 355
Di-n-butyl phthalate	ND< 355	1,2,4-Trichlorobenzene	ND< 355
Di-n-octylphthalate	ND< 355	Nitrobenzene	ND< 355
Bis (2-ethylhexyl) phthalate	ND< 355	2,4-Dinitrotoluene	ND< 355
2-Chloronaphthalene	ND< 355	2,6-Dinitrotoluene	ND< 355
Hexachlorobenzene	ND< 355	Bis (2-chloroethyl) ether	ND< 355
Hexachloroethane	ND< 355	Bis (2-chloroisopropyl) ether	ND< 355
Hexachlorocyclopentadiene	ND< 355	Bis (2-chloroethoxy) methan	ND< 355
Hexachlorobutadiene	ND< 355	4-Bromophenyl phenyl ether	ND< 355
N-Nitroso-di-n-propylamine	ND< 355	4-Chlorophenyl phenyl ether	ND< 355
N-Nitrosodiphenylamine	ND< 355	Benzidine	ND< 887
N-Nitrosodimethylamine	ND< 355	3,3'-Dichlorobenzidine	ND< 355
Isophorone	ND< 355	4-Chloroaniline	ND< 355
Benzyl alcohol	ND< 887	2-Nitroaniline	ND< 887
Dibenzofuran	ND< 355	3-Nitroaniline	ND< 887
2-Methylnaphthalene	ND< 355	4-Nitroaniline	ND< 887

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 355	2-Methylphenol	ND< 355
2-Chlorophenol	ND< 355	3&4-Methylphenol	ND< 355
2,4-Dichlorophenol	ND< 355	2,4-Dimethylphenol	ND< 355
2,6-Dichlorophenol	ND< 355	2-Nitrophenol	ND< 355
2,4,5-Trichlorophenol	ND< 887	4-Nitrophenol	ND< 887
2,4,6-Trichlorophenol	ND< 355	2,4-Dinitrophenol	ND< 887
Pentachlorophenol	ND< 887	4,6-Dinitro-2-methylphenol	ND< 887
4-Chloro-3-methylphenol	ND< 355	Benzoic acid	ND< 887

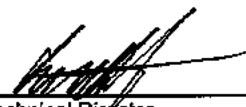
ELAP Number 10958

Method: EPA 8270C

Data File: S48097.D

Comments: ND denotes Non Detect
 ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

 Client: **Conrad Geoscience**

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13654

Client Job Number: FN050130

Field Location: TP-2-3-4-5 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 332	Dibenz (a,h) anthracene	ND< 332
Anthracene	ND< 332	Fluoranthene	ND< 332
Benzo (a) anthracene	ND< 332	Fluorene	ND< 332
Benzo (a) pyrene	ND< 332	Indeno (1,2,3-cd) pyrene	ND< 332
Benzo (b) fluoranthene	ND< 332	Naphthalene	ND< 332
Benzo (g,h,i) perylene	ND< 332	Phenanthrene	ND< 332
Benzo (k) fluoranthene	ND< 332	Pyrene	ND< 332
Chrysene	ND< 332	Acenaphthylene	ND< 332
Diethyl phthalate	ND< 332	1,2-Dichlorobenzene	ND< 332
Dimethyl phthalate	ND< 830	1,3-Dichlorobenzene	ND< 332
Butylbenzylphthalate	ND< 332	1,4-Dichlorobenzene	ND< 332
Di-n-butyl phthalate	ND< 332	1,2,4-Trichlorobenzene	ND< 332
Di-n-octylphthalate	ND< 332	Nitrobenzene	ND< 332
Bis (2-ethylhexyl) phthalate	ND< 332	2,4-Dinitrotoluene	ND< 332
2-Chloronaphthalene	ND< 332	2,6-Dinitrotoluene	ND< 332
Hexachlorobenzene	ND< 332	Bis (2-chloroethyl) ether	ND< 332
Hexachloroethane	ND< 332	Bis (2-chloroisopropyl) ether	ND< 332
Hexachlorocyclopentadiene	ND< 332	Bis (2-chloroethoxy) methan	ND< 332
Hexachlorobutadiene	ND< 332	4-Bromophenyl phenyl ether	ND< 332
N-Nitroso-di-n-propylamine	ND< 332	4-Chlorophenyl phenyl ether	ND< 332
N-Nitrosodiphenylamine	ND< 332	Benzidine	ND< 830
N-Nitrosodimethylamine	ND< 332	3,3'-Dichlorobenzidine	ND< 332
Isophorone	ND< 332	4-Chloroaniline	ND< 332
Benzyl alcohol	ND< 830	2-Nitroaniline	ND< 830
Dibenzofuran	ND< 332	3-Nitroaniline	ND< 830
2-Methylnaphthalene	ND< 332	4-Nitroaniline	ND< 830

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 332	2-Methylphenol	ND< 332
2-Chlorophenol	ND< 332	3&4-Methylphenol	ND< 332
2,4-Dichlorophenol	ND< 332	2,4-Dimethylphenol	ND< 332
2,6-Dichlorophenol	ND< 332	2-Nitrophenol	ND< 332
2,4,5-Trichlorophenol	ND< 830	4-Nitrophenol	ND< 830
2,4,6-Trichlorophenol	ND< 332	2,4-Dinitrophenol	ND< 830
Pentachlorophenol	ND< 830	4,6-Dinitro-2-methylphenol	ND< 830
4-Chloro-3-methylphenol	ND< 332	Benzoic acid	ND< 830

ELAP Number 10958

Method: EPA 8270C

Data File: S48098.D

 Comments: ND denotes Non Detect
 ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13655

Client Job Number: FN050130

Field Location: TP-4-5-8-9 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 325	Dibenz (a,h) anthracene	ND< 325
Anthracene	ND< 325	Fluoranthene	ND< 325
Benzo (a) anthracene	ND< 325	Fluorene	ND< 325
Benzo (a) pyrene	ND< 325	Indeno (1,2,3-cd) pyrene	ND< 325
Benzo (b) fluoranthene	ND< 325	Naphthalene	ND< 325
Benzo (g,h,i) perylene	ND< 325	Phenanthrene	ND< 325
Benzo (k) fluoranthene	ND< 325	Pyrene	ND< 325
Chrysene	ND< 325	Acenaphthylene	ND< 325
Diethyl phthalate	ND< 325	1,2-Dichlorobenzene	ND< 325
Dimethyl phthalate	ND< 812	1,3-Dichlorobenzene	ND< 325
Butylbenzylphthalate	ND< 325	1,4-Dichlorobenzene	ND< 325
Di-n-butyl phthalate	ND< 325	1,2,4-Trichlorobenzene	ND< 325
Di-n-octylphthalate	ND< 325	Nitrobenzene	ND< 325
Bis (2-ethylhexyl) phthalate	ND< 325	2,4-Dinitrotoluene	ND< 325
2-Chloronaphthalene	ND< 325	2,6-Dinitrotoluene	ND< 325
Hexachlorobenzene	ND< 325	Bis (2-chloroethyl) ether	ND< 325
Hexachloroethane	ND< 325	Bis (2-chloroisopropyl) ether	ND< 325
Hexachlorocyclopentadiene	ND< 325	Bis (2-chloroethoxy) methan	ND< 325
Hexachlorobutadiene	ND< 325	4-Bromophenyl phenyl ether	ND< 325
N-Nitroso-di-n-propylamine	ND< 325	4-Chlorophenyl phenyl ether	ND< 325
N-Nitrosodiphenylamine	ND< 325	Benzidine	ND< 812
N-Nitrosodimethylamine	ND< 325	3,3'-Dichlorobenzidine	ND< 325
Isophorone	ND< 325	4-Chloroaniline	ND< 325
Benzyl alcohol	ND< 812	2-Nitroaniline	ND< 812
Dibenzofuran	ND< 325	3-Nitroaniline	ND< 812
2-Methylnaphthalene	ND< 325	4-Nitroaniline	ND< 812

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 325	2-Methylphenol	ND< 325
2-Chlorophenol	ND< 325	3&4-Methylphenol	ND< 325
2,4-Dichlorophenol	ND< 325	2,4-Dimethylphenol	ND< 325
2,6-Dichlorophenol	ND< 325	2-Nitrophenol	ND< 325
2,4,5-Trichlorophenol	ND< 812	4-Nitrophenol	ND< 812
2,4,6-Trichlorophenol	ND< 325	2,4-Dinitrophenol	ND< 812
Pentachlorophenol	ND< 812	4,6-Dinitro-2-methylphenol	ND< 812
4-Chloro-3-methylphenol	ND< 325	Benzoic acid	ND< 812

ELAP Number 10958

Method: EPA 8270C

Data File: S48099.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature:


 Bruce Hoogseeger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

 Client: **Conrad Geoscience**

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13656

Client Job Number: FN050130

Field Location: TP-8-9-10-11 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 330	Dibenz (a,h) anthracene	ND< 330
Anthracene	ND< 330	Fluoranthene	ND< 330
Benzo (a) anthracene	ND< 330	Fluorene	ND< 330
Benzo (a) pyrene	ND< 330	Indeno (1,2,3-cd) pyrene	ND< 330
Benzo (b) fluoranthene	ND< 330	Naphthalene	ND< 330
Benzo (g,h,i) perylene	ND< 330	Phenanthrene	ND< 330
Benzo (k) fluoranthene	ND< 330	Pyrene	ND< 330
Chrysene	ND< 330	Acenaphthylene	ND< 330
Diethyl phthalate	ND< 330	1,2-Dichlorobenzene	ND< 330
Dimethyl phthalate	ND< 824	1,3-Dichlorobenzene	ND< 330
Butylbenzylphthalate	ND< 330	1,4-Dichlorobenzene	ND< 330
Di-n-butyl phthalate	ND< 330	1,2,4-Trichlorobenzene	ND< 330
Di-n-octylphthalate	ND< 330	Nitrobenzene	ND< 330
Bis (2-ethylhexyl) phthalate	ND< 330	2,4-Dinitrotoluene	ND< 330
2-Chloronaphthalene	ND< 330	2,6-Dinitrotoluene	ND< 330
Hexachlorobenzene	ND< 330	Bis (2-chloroethyl) ether	ND< 330
Hexachloroethane	ND< 330	Bis (2-chloroisopropyl) ether	ND< 330
Hexachlorocyclopentadiene	ND< 330	Bis (2-chloroethoxy) methan	ND< 330
Hexachlorobutadiene	ND< 330	4-Bromophenyl phenyl ether	ND< 330
N-Nitroso-di-n-propylamine	ND< 330	4-Chlorophenyl phenyl ether	ND< 330
N-Nitrosodiphenylamine	ND< 330	Benzidine	ND< 824
N-Nitrosodimethylamine	ND< 330	3,3'-Dichlorobenzidine	ND< 330
Isophorone	ND< 330	4-Chloroaniline	ND< 330
Benzyl alcohol	ND< 824	2-Nitroaniline	ND< 824
Dibenzofuran	ND< 330	3-Nitroaniline	ND< 824
2-Methylnaphthalene	ND< 330	4-Nitroaniline	ND< 824

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 330	2-Methylphenol	ND< 330
2-Chlorophenol	ND< 330	3&4-Methylphenol	ND< 330
2,4-Dichlorophenol	ND< 330	2,4-Dimethylphenol	ND< 330
2,6-Dichlorophenol	ND< 330	2-Nitrophenol	ND< 330
2,4,5-Trichlorophenol	ND< 824	4-Nitrophenol	ND< 824
2,4,6-Trichlorophenol	ND< 330	2,4-Dinitrophenol	ND< 824
Pentachlorophenol	ND< 824	4,6-Dinitro-2-methylphenol	ND< 824
4-Chloro-3-methylphenol	ND< 330	Benzoic acid	ND< 824

ELAP Number 10958

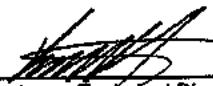
Method: EPA 8270C

Data File: S48100.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13657

Client Job Number: FN050130

Field Location: TP-10-11-14-15 0-1

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 350	Dibenz (a,h) anthracene	ND< 350
Anthracene	ND< 350	Fluoranthene	ND< 350
Benzo (a) anthracene	ND< 350	Fluorene	ND< 350
Benzo (a) pyrene	ND< 350	Indeno (1,2,3-cd) pyrene	ND< 350
Benzo (b) fluoranthene	ND< 350	Naphthalene	ND< 350
Benzo (g,h,i) perylene	ND< 350	Phenanthrene	ND< 350
Benzo (k) fluoranthene	ND< 350	Pyrene	ND< 350
Chrysene	ND< 350	Acenaphthylene	ND< 350
Diethyl phthalate	ND< 350	1,2-Dichlorobenzene	ND< 350
Dimethyl phthalate	ND< 875	1,3-Dichlorobenzene	ND< 350
Butylbenzylphthalate	ND< 350	1,4-Dichlorobenzene	ND< 350
Di-n-butyl phthalate	ND< 350	1,2,4-Trichlorobenzene	ND< 350
Di-n-octylphthalate	ND< 350	Nitrobenzene	ND< 350
Bis (2-ethylhexyl) phthalate	ND< 350	2,4-Dinitrotoluene	ND< 350
2-Chloronaphthalene	ND< 350	2,6-Dinitrotoluene	ND< 350
Hexachlorobenzene	ND< 350	Bis (2-chloroethyl) ether	ND< 350
Hexachloroethane	ND< 350	Bis (2-chloroisopropyl) ether	ND< 350
Hexachlorocyclopentadiene	ND< 350	Bis (2-chloroethoxy) methan	ND< 350
Hexachlorobutadiene	ND< 350	4-Bromophenyl phenyl ether	ND< 350
N-Nitroso-di-n-propylamine	ND< 350	4-Chlorophenyl phenyl ether	ND< 350
N-Nitrosodiphenylamine	ND< 350	Benzidine	ND< 875
N-Nitrosodimethylamine	ND< 350	3,3'-Dichlorobenzidine	ND< 350
Isophorone	ND< 350	4-Chloroaniline	ND< 350
Benzyl alcohol	ND< 875	2-Nitroaniline	ND< 875
Dibenzofuran	ND< 350	3-Nitroaniline	ND< 875
2-Methylnaphthalene	ND< 350	4-Nitroaniline	ND< 875

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 350	2-Methylphenol	ND< 350
2-Chlorophenol	ND< 350	3&4-Methylphenol	ND< 350
2,4-Dichlorophenol	ND< 350	2,4-Dimethylphenol	ND< 350
2,6-Dichlorophenol	ND< 350	2-Nitrophenol	ND< 350
2,4,5-Trichlorophenol	ND< 875	4-Nitrophenol	ND< 875
2,4,6-Trichlorophenol	ND< 350	2,4-Dinitrophenol	ND< 875
Pentachlorophenol	ND< 875	4,6-Dinitro-2-methylphenol	ND< 875
4-Chloro-3-methylphenol	ND< 350	Benzoic acid	ND< 875

ELAP Number 10958

Method: EPA 8270C

Data File: S48101.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

 Client: **Conrad Geoscience**

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13658

Client Job Number: FN050130

Field Location: TP-14-15-18-19 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 341	Dibenz (a,h) anthracene	ND< 341
Anthracene	ND< 341	Fluoranthene	ND< 341
Benzo (a) anthracene	ND< 341	Fluorene	ND< 341
Benzo (a) pyrene	ND< 341	Indeno (1,2,3-cd) pyrene	ND< 341
Benzo (b) fluoranthene	ND< 341	Naphthalene	ND< 341
Benzo (g,h,i) perylene	ND< 341	Phenanthrene	ND< 341
Benzo (k) fluoranthene	ND< 341	Pyrene	ND< 341
Chrysene	ND< 341	Acenaphthylene	ND< 341
Diethyl phthalate	ND< 341	1,2-Dichlorobenzene	ND< 341
Dimethyl phthalate	ND< 852	1,3-Dichlorobenzene	ND< 341
Butylbenzylphthalate	ND< 341	1,4-Dichlorobenzene	ND< 341
Di-n-butyl phthalate	ND< 341	1,2,4-Trichlorobenzene	ND< 341
Di-n-octylphthalate	ND< 341	Nitrobenzene	ND< 341
Bis (2-ethylhexyl) phthalate	ND< 341	2,4-Dinitrotoluene	ND< 341
2-Chloronaphthalene	ND< 341	2,6-Dinitrotoluene	ND< 341
Hexachlorobenzene	ND< 341	Bis (2-chloroethyl) ether	ND< 341
Hexachloroethane	ND< 341	Bis (2-chloroisopropyl) ether	ND< 341
Hexachlorocyclopentadiene	ND< 341	Bis (2-chloroethoxy) methan	ND< 341
Hexachlorobutadiene	ND< 341	4-Bromophenyl phenyl ether	ND< 341
N-Nitroso-di-n-propylamine	ND< 341	4-Chlorophenyl phenyl ether	ND< 341
N-Nitrosodiphenylamine	ND< 341	Benzidine	ND< 852
N-Nitrosodimethylamine	ND< 341	3,3'-Dichlorobenzidine	ND< 341
Isophorone	ND< 341	4-Chloroaniline	ND< 341
Benzyl alcohol	ND< 852	2-Nitroaniline	ND< 852
Dibenzofuran	ND< 341	3-Nitroaniline	ND< 852
2-Methylnaphthalene	ND< 341	4-Nitroaniline	ND< 852

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 341	2-Methylphenol	ND< 341
2-Chlorophenol	ND< 341	3&4-Methylphenol	ND< 341
2,4-Dichlorophenol	ND< 341	2,4-Dimethylphenol	ND< 341
2,6-Dichlorophenol	ND< 341	2-Nitrophenol	ND< 341
2,4,5-Trichlorophenol	ND< 852	4-Nitrophenol	ND< 852
2,4,6-Trichlorophenol	ND< 341	2,4-Dinitrophenol	ND< 852
Pentachlorophenol	ND< 852	4,6-Dinitro-2-methylphenol	ND< 852
4-Chloro-3-methylphenol	ND< 341	Benzoic acid	ND< 852

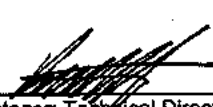
ELAP Number 10958

Method: EPA 8270C

Data File: S48102.D

 Comments: ND denotes Non Detect
 ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

 Client: **Conrad Geoscience**

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13659

Client Job Number: FN050130

Field Location: TP-15-16-17-18 0-1

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 344	Dibenz (a,h) anthracene	ND< 344
Anthracene	ND< 344	Fluoranthene	ND< 344
Benzo (a) anthracene	ND< 344	Fluorene	ND< 344
Benzo (a) pyrene	ND< 344	Indeno (1,2,3-cd) pyrene	ND< 344
Benzo (b) fluoranthene	ND< 344	Naphthalene	ND< 344
Benzo (g,h,i) perylene	ND< 344	Phenanthrene	ND< 344
Benzo (k) fluoranthene	ND< 344	Pyrene	ND< 344
Chrysene	ND< 344	Acenaphthylene	ND< 344
Diethyl phthalate	ND< 344	1,2-Dichlorobenzene	ND< 344
Dimethyl phthalate	ND< 861	1,3-Dichlorobenzene	ND< 344
Butylbenzylphthalate	ND< 344	1,4-Dichlorobenzene	ND< 344
Di-n-butyl phthalate	ND< 344	1,2,4-Trichlorobenzene	ND< 344
Di-n-octylphthalate	ND< 344	Nitrobenzene	ND< 344
Bis (2-ethylhexyl) phthalate	ND< 344	2,4-Dinitrotoluene	ND< 344
2-Chloronaphthalene	ND< 344	2,6-Dinitrotoluene	ND< 344
Hexachlorobenzene	ND< 344	Bis (2-chloroethyl) ether	ND< 344
Hexachloroethane	ND< 344	Bis (2-chloroisopropyl) ether	ND< 344
Hexachlorocyclopentadiene	ND< 344	Bis (2-chloroethoxy) methan	ND< 344
Hexachlorobutadiene	ND< 344	4-Bromophenyl phenyl ether	ND< 344
N-Nitroso-di-n-propylamine	ND< 344	4-Chlorophenyl phenyl ether	ND< 344
N-Nitrosodiphenylamine	ND< 344	Benzidine	ND< 861
N-Nitrosodimethylamine	ND< 344	3,3'-Dichlorobenzidine	ND< 344
Isophorone	ND< 344	4-Chloroaniline	ND< 344
Benzyl alcohol	ND< 861	2-Nitroaniline	ND< 861
Dibenzofuran	ND< 344	3-Nitroaniline	ND< 861
2-Methylnaphthalene	ND< 344	4-Nitroaniline	ND< 861

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 344	2-Methylphenol	ND< 344
2-Chlorophenol	ND< 344	3&4-Methylphenol	ND< 344
2,4-Dichlorophenol	ND< 344	2,4-Dimethylphenol	ND< 344
2,6-Dichlorophenol	ND< 344	2-Nitrophenol	ND< 344
2,4,5-Trichlorophenol	ND< 861	4-Nitrophenol	ND< 861
2,4,6-Trichlorophenol	ND< 344	2,4-Dinitrophenol	ND< 861
Pentachlorophenol	ND< 861	4,6-Dinitro-2-methylphenol	ND< 861
4-Chloro-3-methylphenol	ND< 344	Benzoic acid	ND< 861

ELAP Number 10958

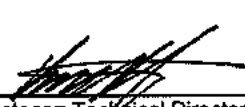
Method: EPA 8270C

Data File: S48103.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger, Technical Director

**Semi-Volatile Analysis Report for Soils/Solids/Sludges**Client: **Conrad Geoscience**

Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13660

Client Job Number: FN050130

Field Location: TP-1-2-3 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 340	Dibenz (a,h) anthracene	ND< 340
Anthracene	ND< 340	Fluoranthene	ND< 340
Benzo (a) anthracene	ND< 340	Fluorene	ND< 340
Benzo (a) pyrene	ND< 340	Indeno (1,2,3-cd) pyrene	ND< 340
Benzo (b) fluoranthene	ND< 340	Naphthalene	ND< 340
Benzo (g,h,i) perylene	ND< 340	Phenanthrene	ND< 340
Benzo (k) fluoranthene	ND< 340	Pyrene	ND< 340
Chrysene	ND< 340	Acenaphthylene	ND< 340
Diethyl phthalate	ND< 340	1,2-Dichlorobenzene	ND< 340
Dimethyl phthalate	ND< 851	1,3-Dichlorobenzene	ND< 340
Butylbenzylphthalate	ND< 340	1,4-Dichlorobenzene	ND< 340
Di-n-butyl phthalate	ND< 340	1,2,4-Trichlorobenzene	ND< 340
Di-n-octylphthalate	ND< 340	Nitrobenzene	ND< 340
Bis (2-ethylhexyl) phthalate	ND< 340	2,4-Dinitrotoluene	ND< 340
2-Chloronaphthalene	ND< 340	2,6-Dinitrotoluene	ND< 340
Hexachlorobenzene	ND< 340	Bis (2-chloroethyl) ether	ND< 340
Hexachloroethane	ND< 340	Bis (2-chloroisopropyl) ether	ND< 340
Hexachlorocyclopentadiene	ND< 340	Bis (2-chloroethoxy) methan	ND< 340
Hexachlorobutadiene	ND< 340	4-Bromophenyl phenyl ether	ND< 340
N-Nitroso-di-n-propylamine	ND< 340	4-Chlorophenyl phenyl ether	ND< 340
N-Nitrosodiphenylamine	ND< 340	Benzidine	ND< 851
N-Nitrosodimethylamine	ND< 340	3,3'-Dichlorobenzidine	ND< 340
Isophorone	ND< 340	4-Chloroaniline	ND< 340
Benzyl alcohol	ND< 851	2-Nitroaniline	ND< 851
Dibenzofuran	ND< 340	3-Nitroaniline	ND< 851
2-Methylnaphthalene	ND< 340	4-Nitroaniline	ND< 851

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 340	2-Methylphenol	ND< 340
2-Chlorophenol	ND< 340	3&4-Methylphenol	ND< 340
2,4-Dichlorophenol	ND< 340	2,4-Dimethylphenol	ND< 340
2,6-Dichlorophenol	ND< 340	2-Nitrophenol	ND< 340
2,4,5-Trichlorophenol	ND< 851	4-Nitrophenol	ND< 851
2,4,6-Trichlorophenol	ND< 340	2,4-Dinitrophenol	ND< 851
Pentachlorophenol	ND< 851	4,6-Dinitro-2-methylphenol	ND< 851
4-Chloro-3-methylphenol	ND< 340	Benzoic acid	ND< 851

ELAP Number 10958

Method: EPA 8270C

Data File: S48104.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13661

Client Job Number: FN050130

Field Location: TP-4-5-6 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 342	Dibenz (a,h) anthracene	ND< 342
Anthracene	ND< 342	Fluoranthene	ND< 342
Benzo (a) anthracene	ND< 342	Fluorene	ND< 342
Benzo (a) pyrene	ND< 342	Indeno (1,2,3-cd) pyrene	ND< 342
Benzo (b) fluoranthene	ND< 342	Naphthalene	ND< 342
Benzo (g,h,i) perylene	ND< 342	Phenanthrene	ND< 342
Benzo (k) fluoranthene	ND< 342	Pyrene	ND< 342
Chrysene	ND< 342	Acenaphthylene	ND< 342
Diethyl phthalate	ND< 342	1,2-Dichlorobenzene	ND< 342
Dimethyl phthalate	ND< 854	1,3-Dichlorobenzene	ND< 342
Butylbenzylphthalate	ND< 342	1,4-Dichlorobenzene	ND< 342
Di-n-butyl phthalate	ND< 342	1,2,4-Trichlorobenzene	ND< 342
Di-n-octylphthalate	ND< 342	Nitrobenzene	ND< 342
Bis (2-ethylhexyl) phthalate	ND< 342	2,4-Dinitrotoluene	ND< 342
2-Chloronaphthalene	ND< 342	2,6-Dinitrotoluene	ND< 342
Hexachlorobenzene	ND< 342	Bis (2-chloroethyl) ether	ND< 342
Hexachloroethane	ND< 342	Bis (2-chloroisopropyl) ether	ND< 342
Hexachlorocyclopentadiene	ND< 342	Bis (2-chloroethoxy) methan	ND< 342
Hexachlorobutadiene	ND< 342	4-Bromophenyl phenyl ether	ND< 342
N-Nitroso-di-n-propylamine	ND< 342	4-Chlorophenyl phenyl ether	ND< 342
N-Nitrosodiphenylamine	ND< 342	Benzidine	ND< 854
N-Nitrosodimethylamine	ND< 342	3,3'-Dichlorobenzidine	ND< 342
Isophorone	ND< 342	4-Chloroaniline	ND< 342
Benzyl alcohol	ND< 854	2-Nitroaniline	ND< 854
Dibenzofuran	ND< 342	3-Nitroaniline	ND< 854
2-Methylnaphthalene	ND< 342	4-Nitroaniline	ND< 854

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 342	2-Methylphenol	ND< 342
2-Chlorophenol	ND< 342	3&4-Methylphenol	ND< 342
2,4-Dichlorophenol	ND< 342	2,4-Dimethylphenol	ND< 342
2,6-Dichlorophenol	ND< 342	2-Nitrophenol	ND< 342
2,4,5-Trichlorophenol	ND< 854	4-Nitrophenol	ND< 854
2,4,6-Trichlorophenol	ND< 342	2,4-Dinitrophenol	ND< 854
Pentachlorophenol	ND< 854	4,6-Dinitro-2-methylphenol	ND< 854
4-Chloro-3-methylphenol	ND< 342	Benzoic acid	ND< 854

ELAP Number 10958

Method: EPA 8270C

Data File: S48105.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature:


 Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13662

Client Job Number: FN050130

Field Location: TP-10-11-12 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 333	Dibenz (a,h) anthracene	ND< 333
Anthracene	ND< 333	Fluoranthene	ND< 333
Benzo (a) anthracene	ND< 333	Fluorene	ND< 333
Benzo (a) pyrene	ND< 333	Indeno (1,2,3-cd) pyrene	ND< 333
Benzo (b) fluoranthene	ND< 333	Naphthalene	ND< 333
Benzo (g,h,i) perylene	ND< 333	Phenanthrene	ND< 333
Benzo (k) fluoranthene	ND< 333	Pyrene	ND< 333
Chrysene	ND< 333	Acenaphthylene	ND< 333
Diethyl phthalate	ND< 333	1,2-Dichlorobenzene	ND< 333
Dimethyl phthalate	ND< 832	1,3-Dichlorobenzene	ND< 333
Butylbenzylphthalate	ND< 333	1,4-Dichlorobenzene	ND< 333
Di-n-butyl phthalate	ND< 333	1,2,4-Trichlorobenzene	ND< 333
Di-n-octylphthalate	ND< 333	Nitrobenzene	ND< 333
Bis (2-ethylhexyl) phthalate	ND< 333	2,4-Dinitrotoluene	ND< 333
2-Chloronaphthalene	ND< 333	2,6-Dinitrotoluene	ND< 333
Hexachlorobenzene	ND< 333	Bis (2-chloroethyl) ether	ND< 333
Hexachloroethane	ND< 333	Bis (2-chloroisopropyl) ether	ND< 333
Hexachlorocyclopentadiene	ND< 333	Bis (2-chloroethoxy) methan	ND< 333
Hexachlorobutadiene	ND< 333	4-Bromophenyl phenyl ether	ND< 333
N-Nitroso-di-n-propylamine	ND< 333	4-Chlorophenyl phenyl ether	ND< 333
N-Nitrosodiphenylamine	ND< 333	Benzidine	ND< 832
N-Nitrosodimethylamine	ND< 333	3,3'-Dichlorobenzidine	ND< 333
Isophorone	ND< 333	4-Chloroaniline	ND< 333
Benzyl alcohol	ND< 832	2-Nitroaniline	ND< 832
Dibenzofuran	ND< 333	3-Nitroaniline	ND< 832
2-Methylnapthalene	ND< 333	4-Nitroaniline	ND< 832

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 333	2-Methylphenol	ND< 333
2-Chlorophenol	ND< 333	3&4-Methylphenol	ND< 333
2,4-Dichlorophenol	ND< 333	2,4-Dimethylphenol	ND< 333
2,6-Dichlorophenol	ND< 333	2-Nitrophenol	ND< 333
2,4,5-Trichlorophenol	ND< 832	4-Nitrophenol	ND< 832
2,4,6-Trichlorophenol	ND< 333	2,4-Dinitrophenol	ND< 832
Pentachlorophenol	ND< 832	4,6-Dinitro-2-methylphenol	ND< 832
4-Chloro-3-methylphenol	ND< 333	Benzoic acid	ND< 832

ELAP Number 10958

Method: EPA 8270C

Data File: S48106.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13663

Client Job Number: FN050130

Field Location: TP-13-14-15-16 0-1

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 355	Dibenz (a,h) anthracene	ND< 355
Anthracene	ND< 355	Fluoranthene	ND< 355
Benzo (a) anthracene	ND< 355	Fluorene	ND< 355
Benzo (a) pyrene	ND< 355	Indeno (1,2,3-cd) pyrene	ND< 355
Benzo (b) fluoranthene	ND< 355	Naphthalene	ND< 355
Benzo (g,h,i) perylene	ND< 355	Phenanthrene	ND< 355
Benzo (k) fluoranthene	ND< 355	Pyrene	ND< 355
Chrysene	ND< 355	Acenaphthylene	ND< 355
Diethyl phthalate	ND< 355	1,2-Dichlorobenzene	ND< 355
Dimethyl phthalate	ND< 888	1,3-Dichlorobenzene	ND< 355
Butylbenzylphthalate	ND< 355	1,4-Dichlorobenzene	ND< 355
Di-n-butyl phthalate	ND< 355	1,2,4-Trichlorobenzene	ND< 355
Di-n-octylphthalate	ND< 355	Nitrobenzene	ND< 355
Bis (2-ethylhexyl) phthalate	ND< 355	2,4-Dinitrotoluene	ND< 355
2-Chloronaphthalene	ND< 355	2,6-Dinitrotoluene	ND< 355
Hexachlorobenzene	ND< 355	Bis (2-chloroethyl) ether	ND< 355
Hexachloroethane	ND< 355	Bis (2-chloroisopropyl) ether	ND< 355
Hexachlorocyclopentadiene	ND< 355	Bis (2-chloroethoxy) methan	ND< 355
Hexachlorobutadiene	ND< 355	4-Bromophenyl phenyl ether	ND< 355
N-Nitroso-di-n-propylamine	ND< 355	4-Chlorophenyl phenyl ether	ND< 355
N-Nitrosodiphenylamine	ND< 355	Benzidine	ND< 888
N-Nitrosodimethylamine	ND< 355	3,3'-Dichlorobenzidine	ND< 355
Isophorone	ND< 355	4-Chloroaniline	ND< 355
Benzyl alcohol	ND< 888	2-Nitroaniline	ND< 888
Dibenzofuran	ND< 355	3-Nitroaniline	ND< 888
2-Methylnaphthalene	ND< 355	4-Nitroaniline	ND< 888

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 355	2-Methylphenol	ND< 355
2-Chlorophenol	ND< 355	3&4-Methylphenol	ND< 355
2,4-Dichlorophenol	ND< 355	2,4-Dimethylphenol	ND< 355
2,6-Dichlorophenol	ND< 355	2-Nitrophenol	ND< 355
2,4,5-Trichlorophenol	ND< 888	4-Nitrophenol	ND< 888
2,4,6-Trichlorophenol	ND< 355	2,4-Dinitrophenol	ND< 888
Pentachlorophenol	ND< 888	4,6-Dinitro-2-methylphenol	ND< 888
4-Chloro-3-methylphenol	ND< 355	Benzoic acid	ND< 888

ELAP Number 10958

Method: EPA 8270C

Data File: S48107.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature:


 Bruce Hoogesteger: Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience
Client Job Site: F & T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13664

Client Job Number: FN050130

Field Location: TP-17-18-19-20 1-2

Date Sampled: 12/03/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/15/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 362	Dibenz (a,h) anthracene	ND< 362
Anthracene	ND< 362	Fluoranthene	ND< 362
Benzo (a) anthracene	ND< 362	Fluorene	ND< 362
Benzo (a) pyrene	ND< 362	Indeno (1,2,3-cd) pyrene	ND< 362
Benzo (b) fluoranthene	ND< 362	Naphthalene	ND< 362
Benzo (g,h,i) perylene	ND< 362	Phenanthrene	ND< 362
Benzo (k) fluoranthene	ND< 362	Pyrene	ND< 362
Chrysene	ND< 362	Acenaphthylene	ND< 362
Diethyl phthalate	ND< 362	1,2-Dichlorobenzene	ND< 362
Dimethyl phthalate	ND< 905	1,3-Dichlorobenzene	ND< 362
Butylbenzylphthalate	ND< 362	1,4-Dichlorobenzene	ND< 362
Di-n-butyl phthalate	ND< 362	1,2,4-Trichlorobenzene	ND< 362
Di-n-octylphthalate	ND< 362	Nitrobenzene	ND< 362
Bis (2-ethylhexyl) phthalate	ND< 362	2,4-Dinitrotoluene	ND< 362
2-Chloronaphthalene	ND< 362	2,6-Dinitrotoluene	ND< 362
Hexachlorobenzene	ND< 362	Bis (2-chloroethyl) ether	ND< 362
Hexachloroethane	ND< 362	Bis (2-chloroisopropyl) ether	ND< 362
Hexachlorocyclopentadiene	ND< 362	Bis (2-chloroethoxy) methan	ND< 362
Hexachlorobutadiene	ND< 362	4-Bromophenyl phenyl ether	ND< 362
N-Nitroso-di-n-propylamine	ND< 362	4-Chlorophenyl phenyl ether	ND< 362
N-Nitrosodiphenylamine	ND< 362	Benzidine	ND< 905
N-Nitrosodimethylamine	ND< 362	3,3'-Dichlorobenzidine	ND< 362
Isophorone	ND< 362	4-Chloroaniline	ND< 362
Benzyl alcohol	ND< 905	2-Nitroaniline	ND< 905
Dibenzofuran	ND< 362	3-Nitroaniline	ND< 905
2-Methylnaphthalene	ND< 362	4-Nitroaniline	ND< 905

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 362	2-Methylphenol	ND< 362
2-Chlorophenol	ND< 362	3&4-Methylphenol	ND< 362
2,4-Dichlorophenol	ND< 362	2,4-Dimethylphenol	ND< 362
2,6-Dichlorophenol	ND< 362	2-Nitrophenol	ND< 362
2,4,5-Trichlorophenol	ND< 905	4-Nitrophenol	ND< 905
2,4,6-Trichlorophenol	ND< 362	2,4-Dinitrophenol	ND< 905
Pentachlorophenol	ND< 905	4,6-Dinitro-2-methylphenol	ND< 905
4-Chloro-3-methylphenol	ND< 362	Benzoic acid	ND< 905

ELAP Number 10958

Method: EPA 8270C

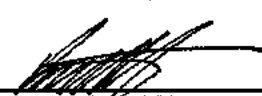
Data File: S48108.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature:


 Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13626

Client Job Number: FN050130

Field Location: TP-1 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.9
Bromomethane	ND< 10.9
Bromoform	ND< 27.2
Carbon Tetrachloride	ND< 27.2
Chloroethane	ND< 10.9
Chloromethane	ND< 10.9
2-Chloroethyl vinyl Ether	ND< 54.4
Chloroform	ND< 10.9
Dibromochloromethane	ND< 10.9
1,1-Dichloroethane	ND< 10.9
1,2-Dichloroethane	ND< 10.9
1,1-Dichloroethene	ND< 10.9
cis-1,2-Dichloroethene	ND< 10.9
trans-1,2-Dichloroethene	ND< 10.9
1,2-Dichloropropane	ND< 10.9
cis-1,3-Dichloropropene	ND< 10.9
trans-1,3-Dichloropropene	ND< 10.9
Methylene chloride	ND< 27.2
1,1,2,2-Tetrachloroethane	ND< 10.9
Tetrachloroethene	ND< 10.9
1,1,1-Trichloroethane	ND< 10.9
1,1,2-Trichloroethane	ND< 10.9
Trichloroethene	ND< 10.9
Trichlorofluoromethane	ND< 10.9
Vinyl chloride	ND< 10.9

Aromatics	Results in ug / Kg
Benzene	ND< 10.9
Chlorobenzene	ND< 10.9
Ethylbenzene	ND< 10.9
Toluene	ND< 10.9
m,p-Xylene	ND< 10.9
o-Xylene	ND< 10.9
Styrene	ND< 27.2
1,2-Dichlorobenzene	ND< 27.2
1,3-Dichlorobenzene	ND< 27.2
1,4-Dichlorobenzene	ND< 10.9

Ketones	Results in ug / Kg
Acetone	ND< 54.4
2-Butanone	ND< 54.4
2-Hexanone	ND< 27.2
4-Methyl-2-pentanone	ND< 27.2

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 10.9
Vinyl acetate	ND< 27.2

ELAP Number 10958

Method: EPA 8260B

Data File: V70896.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13626

Client Job Number: FN050130

Field Location: TP-1 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 54.4	1,2,4-Trimethylbenzene	ND< 10.9
sec-Butylbenzene	ND< 10.9	1,3,5-Trimethylbenzene	ND< 10.9
tert-Butylbenzene	ND< 27.2		
n-Propylbenzene	ND< 10.9	Miscellaneous	
Isopropylbenzene	ND< 54.4	Methyl tert-butyl Ether	ND< 10.9
p-Isopropyltoluene	ND< 54.4		
Naphthalene	ND< 27.2		

ELAP Number 10958

Method: EPA 8260B

Data File: V70896.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger: Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13627

Client Job Number: FN050130

Field Location: TP-3 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.61
Bromomethane	ND< 9.61
Bromoform	ND< 24.0
Carbon Tetrachloride	ND< 24.0
Chloroethane	ND< 9.61
Chloromethane	ND< 9.61
2-Chloroethyl vinyl Ether	ND< 48.1
Chloroform	ND< 9.61
Dibromochloromethane	ND< 9.61
1,1-Dichloroethane	ND< 9.61
1,2-Dichloroethane	ND< 9.61
1,1-Dichloroethene	ND< 9.61
cis-1,2-Dichloroethene	ND< 9.61
trans-1,2-Dichloroethene	ND< 9.61
1,2-Dichloropropane	ND< 9.61
cis-1,3-Dichloropropene	ND< 9.61
trans-1,3-Dichloropropene	ND< 9.61
Methylene chloride	ND< 24.0
1,1,2,2-Tetrachloroethane	ND< 9.61
Tetrachloroethene	ND< 9.61
1,1,1-Trichloroethane	ND< 9.61
1,1,2-Trichloroethane	ND< 9.61
Trichloroethene	ND< 9.61
Trichlorofluoromethane	ND< 9.61
Vinyl chloride	ND< 9.61

Aromatics	Results in ug / Kg
Benzene	ND< 9.61
Chlorobenzene	ND< 9.61
Ethylbenzene	ND< 9.61
Toluene	ND< 9.61
m,p-Xylene	ND< 9.61
o-Xylene	ND< 9.61
Styrene	ND< 24.0
1,2-Dichlorobenzene	ND< 24.0
1,3-Dichlorobenzene	ND< 24.0
1,4-Dichlorobenzene	ND< 9.61

Ketones	Results in ug / Kg
Acetone	ND< 48.1
2-Butanone	ND< 48.1
2-Hexanone	ND< 24.0
4-Methyl-2-pentanone	ND< 24.0

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 9.61
Vinyl acetate	ND< 24.0

ELAP Number 10958

Method: EPA 8260B

Data File: V70897.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13627

Client Job Number: FN050130

Field Location: TP-3 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 48.1	1,2,4-Trimethylbenzene	ND< 9.61
sec-Butylbenzene	ND< 9.61	1,3,5-Trimethylbenzene	ND< 9.61
tert-Butylbenzene	ND< 24.0		
n-Propylbenzene	ND< 9.61	Miscellaneous	
Isopropylbenzene	ND< 48.1	Methyl tert-butyl Ether	ND< 9.61
p-Isopropyltoluene	ND< 48.1		
Naphthalene	ND< 24.0		

ELAP Number 10958

Method: EPA 8260B

Data File: V70897.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: TP-2 0-1

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 09-4494

Lab Sample Number: 13628

Date Sampled: 12/01/2009

Date Received: 12/04/2009

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.45
Bromomethane	ND< 8.45
Bromoform	ND< 21.1
Carbon Tetrachloride	ND< 21.1
Chloroethane	ND< 8.45
Chloromethane	ND< 8.45
2-Chloroethyl vinyl Ether	ND< 42.2
Chloroform	ND< 8.45
Dibromochloromethane	ND< 8.45
1,1-Dichloroethane	ND< 8.45
1,2-Dichloroethane	ND< 8.45
1,1-Dichloroethene	ND< 8.45
cis-1,2-Dichloroethene	ND< 8.45
trans-1,2-Dichloroethene	ND< 8.45
1,2-Dichloropropane	ND< 8.45
cis-1,3-Dichloropropene	ND< 8.45
trans-1,3-Dichloropropene	ND< 8.45
Methylene chloride	ND< 21.1
1,1,2,2-Tetrachloroethane	ND< 8.45
Tetrachloroethene	ND< 8.45
1,1,1-Trichloroethane	ND< 8.45
1,1,2-Trichloroethane	ND< 8.45
Trichloroethene	ND< 8.45
Trichlorofluoromethane	ND< 8.45
Vinyl chloride	ND< 8.45

Aromatics	Results in ug / Kg
Benzene	ND< 8.45
Chlorobenzene	ND< 8.45
Ethylbenzene	ND< 8.45
Toluene	ND< 8.45
m,p-Xylene	ND< 8.45
o-Xylene	ND< 8.45
Styrene	ND< 21.1
1,2-Dichlorobenzene	ND< 21.1
1,3-Dichlorobenzene	ND< 21.1
1,4-Dichlorobenzene	ND< 8.45

Ketones	Results in ug / Kg
Acetone	ND< 42.2
2-Butanone	ND< 42.2
2-Hexanone	ND< 21.1
4-Methyl-2-pentanone	ND< 21.1

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 8.45
Vinyl acetate	ND< 21.1

ELAP Number 10958

Method: EPA 8260B

Data File: V70898.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13628

Client Job Number: FN050130

Field Location: TP-2 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 42.2	1,2,4-Trimethylbenzene	ND< 8.45
sec-Butylbenzene	ND< 8.45	1,3,5-Trimethylbenzene	ND< 8.45
tert-Butylbenzene	ND< 21.1		
n-Propylbenzene	ND< 8.45	Miscellaneous	
Isopropylbenzene	ND< 42.2	Methyl tert-butyl Ether	ND< 8.45
p-Isopropyltoluene	ND< 42.2		
Naphthalene	ND< 21.1		

ELAP Number 10958

Method: EPA 8260B

Data File: V70898.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13629

Client Job Number: FN050130

Field Location: TP-4 1-2

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.07
Bromomethane	ND< 8.07
Bromoform	ND< 20.2
Carbon Tetrachloride	ND< 20.2
Chloroethane	ND< 8.07
Chloromethane	ND< 8.07
2-Chloroethyl vinyl Ether	ND< 40.3
Chloroform	ND< 8.07
Dibromochloromethane	ND< 8.07
1,1-Dichloroethane	ND< 8.07
1,2-Dichloroethane	ND< 8.07
1,1-Dichloroethene	ND< 8.07
cis-1,2-Dichloroethene	ND< 8.07
trans-1,2-Dichloroethene	ND< 8.07
1,2-Dichloropropane	ND< 8.07
cis-1,3-Dichloropropene	ND< 8.07
trans-1,3-Dichloropropene	ND< 8.07
Methylene chloride	ND< 20.2
1,1,2,2-Tetrachloroethane	ND< 8.07
Tetrachloroethene	ND< 8.07
1,1,1-Trichloroethane	ND< 8.07
1,1,2-Trichloroethane	ND< 8.07
Trichloroethene	ND< 8.07
Trichlorofluoromethane	ND< 8.07
Vinyl chloride	ND< 8.07

Aromatics	Results in ug / Kg
Benzene	ND< 8.07
Chlorobenzene	ND< 8.07
Ethylbenzene	ND< 8.07
Toluene	ND< 8.07
m,p-Xylene	ND< 8.07
o-Xylene	ND< 8.07
Styrene	ND< 20.2
1,2-Dichlorobenzene	ND< 20.2
1,3-Dichlorobenzene	ND< 20.2
1,4-Dichlorobenzene	ND< 8.07

Ketones	Results in ug / Kg
Acetone	ND< 40.3
2-Butanone	ND< 40.3
2-Hexanone	ND< 20.2
4-Methyl-2-pentanone	ND< 20.2

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 8.07
Vinyl acetate	ND< 20.2

ELAP Number 10958

Method: EPA 8260B

Data File: V70899.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13629

Client Job Number: FN050130

Field Location: TP-4 1-2

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 40.3	1,2,4-Trimethylbenzene	ND< 8.07
sec-Butylbenzene	ND< 8.07	1,3,5-Trimethylbenzene	ND< 8.07
tert-Butylbenzene	ND< 20.2		
n-Propylbenzene	ND< 8.07	Miscellaneous	
Isopropylbenzene	ND< 40.3	Methyl tert-butyl Ether	ND< 8.07
p-Isopropyltoluene	ND< 40.3		
Naphthalene	ND< 20.2		

ELAP Number 10958

Method: EPA 8260B

Data File: V70899.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13630

Client Job Number: FN050130

Field Location: TP-5 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.47
Bromomethane	ND< 9.47
Bromoform	ND< 23.7
Carbon Tetrachloride	ND< 23.7
Chloroethane	ND< 9.47
Chloromethane	ND< 9.47
2-Chloroethyl vinyl Ether	ND< 47.3
Chloroform	ND< 9.47
Dibromochloromethane	ND< 9.47
1,1-Dichloroethane	ND< 9.47
1,2-Dichloroethane	ND< 9.47
1,1-Dichloroethene	ND< 9.47
cis-1,2-Dichloroethene	ND< 9.47
trans-1,2-Dichloroethene	ND< 9.47
1,2-Dichloropropane	ND< 9.47
cis-1,3-Dichloropropene	ND< 9.47
trans-1,3-Dichloropropene	ND< 9.47
Methylene chloride	ND< 23.7
1,1,2,2-Tetrachloroethane	ND< 9.47
Tetrachloroethene	ND< 9.47
1,1,1-Trichloroethane	ND< 9.47
1,1,2-Trichloroethane	ND< 9.47
Trichloroethene	ND< 9.47
Trichlorofluoromethane	ND< 9.47
Vinyl chloride	ND< 9.47

Aromatics	Results in ug / Kg
Benzene	ND< 9.47
Chlorobenzene	ND< 9.47
Ethylbenzene	ND< 9.47
Toluene	ND< 9.47
m,p-Xylene	ND< 9.47
o-Xylene	ND< 9.47
Styrene	ND< 23.7
1,2-Dichlorobenzene	ND< 23.7
1,3-Dichlorobenzene	ND< 23.7
1,4-Dichlorobenzene	ND< 9.47

Ketones	Results in ug / Kg
Acetone	ND< 47.3
2-Butanone	ND< 47.3
2-Hexanone	ND< 23.7
4-Methyl-2-pentanone	ND< 23.7

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 9.47
Vinyl acetate	ND< 23.7

ELAP Number 10958

Method: EPA 8260B

Data File: V70902.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13630

Client Job Number: FN050130

Field Location: TP-5 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 47.3	1,2,4-Trimethylbenzene	ND< 9.47
sec-Butylbenzene	ND< 9.47	1,3,5-Trimethylbenzene	ND< 9.47
tert-Butylbenzene	ND< 23.7		
n-Propylbenzene	ND< 9.47	Miscellaneous	
Isopropylbenzene	ND< 47.3	Methyl tert-butyl Ether	ND< 9.47
p-Isopropyltoluene	ND< 47.3		
Naphthalene	ND< 23.7		

ELAP Number 10958

Method: EPA 8260B

Data File: V70902.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: TP-5 1-2

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 09-4494

Lab Sample Number: 13631

Date Sampled: 12/01/2009

Date Received: 12/04/2009

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.55
Bromomethane	ND< 8.55
Bromoform	ND< 21.4
Carbon Tetrachloride	ND< 21.4
Chloroethane	ND< 8.55
Chloromethane	ND< 8.55
2-Chloroethyl vinyl Ether	ND< 42.8
Chloroform	ND< 8.55
Dibromochloromethane	ND< 8.55
1,1-Dichloroethane	ND< 8.55
1,2-Dichloroethane	ND< 8.55
1,1-Dichloroethene	ND< 8.55
cis-1,2-Dichloroethene	ND< 8.55
trans-1,2-Dichloroethene	ND< 8.55
1,2-Dichloropropane	ND< 8.55
cis-1,3-Dichloropropene	ND< 8.55
trans-1,3-Dichloropropene	ND< 8.55
Methylene chloride	ND< 21.4
1,1,2,2-Tetrachloroethane	ND< 8.55
Tetrachloroethene	ND< 8.55
1,1,1-Trichloroethane	ND< 8.55
1,1,2-Trichloroethane	ND< 8.55
Trichloroethene	ND< 8.55
Trichlorofluoromethane	ND< 8.55
Vinyl chloride	ND< 8.55

Aromatics	Results in ug / Kg
Benzene	ND< 8.55
Chlorobenzene	ND< 8.55
Ethylbenzene	ND< 8.55
Toluene	ND< 8.55
m,p-Xylene	ND< 8.55
o-Xylene	ND< 8.55
Styrene	ND< 21.4
1,2-Dichlorobenzene	ND< 21.4
1,3-Dichlorobenzene	ND< 21.4
1,4-Dichlorobenzene	ND< 8.55

Ketones	Results in ug / Kg
Acetone	ND< 42.8
2-Butanone	ND< 42.8
2-Hexanone	ND< 21.4
4-Methyl-2-pentanone	ND< 21.4

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 8.55
Vinyl acetate	ND< 21.4

ELAP Number 10958

Method: EPA 8260B

Data File: V70903.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13631

Client Job Number: FN050130

Field Location: TP-5 1-2

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 42.8	1,2,4-Trimethylbenzene	ND< 8.55
sec-Butylbenzene	ND< 8.55	1,3,5-Trimethylbenzene	ND< 8.55
tert-Butylbenzene	ND< 21.4		
n-Propylbenzene	ND< 8.55	Miscellaneous	
Isopropylbenzene	ND< 42.8	Methyl tert-butyl Ether	ND< 8.55
p-Isopropyltoluene	ND< 42.8		
Naphthalene	ND< 21.4		

ELAP Number 10958

Method: EPA 8260B

Data File: V70903.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13632

Client Job Number: FN050130

Field Location: TP-7 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.09
Bromomethane	ND< 9.09
Bromoform	ND< 22.7
Carbon Tetrachloride	ND< 22.7
Chloroethane	ND< 9.09
Chloromethane	ND< 9.09
2-Chloroethyl vinyl Ether	ND< 45.5
Chloroform	ND< 9.09
Dibromochloromethane	ND< 9.09
1,1-Dichloroethane	ND< 9.09
1,2-Dichloroethane	ND< 9.09
1,1-Dichloroethene	ND< 9.09
cis-1,2-Dichloroethene	ND< 9.09
trans-1,2-Dichloroethene	ND< 9.09
1,2-Dichloropropane	ND< 9.09
cis-1,3-Dichloropropene	ND< 9.09
trans-1,3-Dichloropropene	ND< 9.09
Methylene chloride	ND< 22.7
1,1,2,2-Tetrachloroethane	ND< 9.09
Tetrachloroethene	ND< 9.09
1,1,1-Trichloroethane	ND< 9.09
1,1,2-Trichloroethane	ND< 9.09
Trichloroethene	ND< 9.09
Trichlorofluoromethane	ND< 9.09
Vinyl chloride	ND< 9.09

Aromatics	Results in ug / Kg
Benzene	ND< 9.09
Chlorobenzene	ND< 9.09
Ethylbenzene	ND< 9.09
Toluene	ND< 9.09
m,p-Xylene	ND< 9.09
o-Xylene	ND< 9.09
Styrene	ND< 22.7
1,2-Dichlorobenzene	ND< 22.7
1,3-Dichlorobenzene	ND< 22.7
1,4-Dichlorobenzene	ND< 9.09

Ketones	Results in ug / Kg
Acetone	ND< 45.5
2-Butanone	ND< 45.5
2-Hexanone	ND< 22.7
4-Methyl-2-pentanone	ND< 22.7

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 9.09
Vinyl acetate	ND< 22.7

ELAP Number 10958

Method: EPA 8260B

Data File: V70904.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13632

Client Job Number: FN050130

Field Location: TP-7 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 45.5	1,2,4-Trimethylbenzene	ND< 9.09
sec-Butylbenzene	ND< 9.09	1,3,5-Trimethylbenzene	ND< 9.09
tert-Butylbenzene	ND< 22.7		
n-Propylbenzene	ND< 9.09	Miscellaneous	
Isopropylbenzene	ND< 45.5	Methyl tert-butyl Ether	ND< 9.09
p-Isopropyltoluene	ND< 45.5		
Naphthalene	ND< 22.7		

ELAP Number 10958

Method: EPA 8260B

Data File: V70904.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: TP-8 0-1

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 09-4494

Lab Sample Number: 13633

Date Sampled: 12/01/2009

Date Received: 12/04/2009

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.3
Bromomethane	ND< 10.3
Bromoform	ND< 25.6
Carbon Tetrachloride	ND< 25.6
Chloroethane	ND< 10.3
Chloromethane	ND< 10.3
2-Chloroethyl vinyl Ether	ND< 51.3
Chloroform	ND< 10.3
Dibromochloromethane	ND< 10.3
1,1-Dichloroethane	ND< 10.3
1,2-Dichloroethane	ND< 10.3
1,1-Dichloroethene	ND< 10.3
cis-1,2-Dichloroethene	ND< 10.3
trans-1,2-Dichloroethene	ND< 10.3
1,2-Dichloropropane	ND< 10.3
cis-1,3-Dichloropropene	ND< 10.3
trans-1,3-Dichloropropene	ND< 10.3
Methylene chloride	ND< 25.6
1,1,2,2-Tetrachloroethane	ND< 10.3
Tetrachloroethene	ND< 10.3
1,1,1-Trichloroethane	ND< 10.3
1,1,2-Trichloroethane	ND< 10.3
Trichloroethene	ND< 10.3
Trichlorofluoromethane	ND< 10.3
Vinyl chloride	ND< 10.3

ELAP Number 10958

Method: EPA 8260B

Aromatics	Results in ug / Kg
Benzene	ND< 10.3
Chlorobenzene	ND< 10.3
Ethylbenzene	ND< 10.3
Toluene	ND< 10.3
m,p-Xylene	ND< 10.3
o-Xylene	ND< 10.3
Styrene	ND< 25.6
1,2-Dichlorobenzene	ND< 25.6
1,3-Dichlorobenzene	ND< 25.6
1,4-Dichlorobenzene	ND< 10.3

Ketones	Results in ug / Kg
Acetone	ND< 51.3
2-Butanone	ND< 51.3
2-Hexanone	ND< 25.6
4-Methyl-2-pentanone	ND< 25.6

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 10.3
Vinyl acetate	ND< 25.6

Data File: V70905.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13633

Client Job Number: FN050130

Field Location: TP-8 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 51.3	1,2,4-Trimethylbenzene	ND< 10.3
sec-Butylbenzene	ND< 10.3	1,3,5-Trimethylbenzene	ND< 10.3
tert-Butylbenzene	ND< 25.6		
n-Propylbenzene	ND< 10.3	Miscellaneous	
Isopropylbenzene	ND< 51.3	Methyl tert-butyl Ether	ND< 10.3
p-Isopropyltoluene	ND< 51.3		
Naphthalene	ND< 25.6		

ELAP Number 10958

Method: EPA 8260B

Data File: V70905.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13634

Client Job Number: FN050130

Field Location: TP-8 1-2

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.1
Bromomethane	ND< 10.1
Bromoform	ND< 25.3
Carbon Tetrachloride	ND< 25.3
Chloroethane	ND< 10.1
Chloromethane	ND< 10.1
2-Chloroethyl vinyl Ether	ND< 50.6
Chloroform	ND< 10.1
Dibromochloromethane	ND< 10.1
1,1-Dichloroethane	ND< 10.1
1,2-Dichloroethane	ND< 10.1
1,1-Dichloroethene	ND< 10.1
cis-1,2-Dichloroethene	ND< 10.1
trans-1,2-Dichloroethene	ND< 10.1
1,2-Dichloropropane	ND< 10.1
cis-1,3-Dichloropropene	ND< 10.1
trans-1,3-Dichloropropene	ND< 10.1
Methylene chloride	ND< 25.3
1,1,2,2-Tetrachloroethane	ND< 10.1
Tetrachloroethene	ND< 10.1
1,1,1-Trichloroethane	ND< 10.1
1,1,2-Trichloroethane	ND< 10.1
Trichloroethene	ND< 10.1
Trichlorofluoromethane	ND< 10.1
Vinyl chloride	ND< 10.1

Aromatics	Results in ug / Kg
Benzene	ND< 10.1
Chlorobenzene	ND< 10.1
Ethylbenzene	ND< 10.1
Toluene	ND< 10.1
m,p-Xylene	ND< 10.1
o-Xylene	ND< 10.1
Styrene	ND< 25.3
1,2-Dichlorobenzene	ND< 25.3
1,3-Dichlorobenzene	ND< 25.3
1,4-Dichlorobenzene	ND< 10.1

Ketones	Results in ug / Kg
Acetone	ND< 50.6
2-Butanone	ND< 50.6
2-Hexanone	ND< 25.3
4-Methyl-2-pentanone	ND< 25.3

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 10.1
Vinyl acetate	ND< 25.3

ELAP Number 10958

Method: EPA 8260B

Data File: V70906.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13634

Client Job Number: FN050130

Field Location: TP-8 1-2

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 50.6	1,2,4-Trimethylbenzene	ND< 10.1
sec-Butylbenzene	ND< 10.1	1,3,5-Trimethylbenzene	ND< 10.1
tert-Butylbenzene	ND< 25.3		
n-Propylbenzene	ND< 10.1	Miscellaneous	
Isopropylbenzene	ND< 50.6	Methyl tert-butyl Ether	ND< 10.1
p-Isopropyltoluene	ND< 50.6		
Naphthalene	ND< 25.3		

ELAP Number 10958

Method: EPA 8260B

Data File: V70906.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature: _____

Bruce Hoogesteger, Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13635

Client Job Number: FN050130

Field Location: TP-9 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.72
Bromomethane	ND< 8.72
Bromoform	ND< 21.8
Carbon Tetrachloride	ND< 21.8
Chloroethane	ND< 8.72
Chloromethane	ND< 8.72
2-Chloroethyl vinyl Ether	ND< 43.6
Chloroform	ND< 8.72
Dibromochloromethane	ND< 8.72
1,1-Dichloroethane	ND< 8.72
1,2-Dichloroethane	ND< 8.72
1,1-Dichloroethene	ND< 8.72
cis-1,2-Dichloroethene	ND< 8.72
trans-1,2-Dichloroethene	ND< 8.72
1,2-Dichloropropane	ND< 8.72
cis-1,3-Dichloropropene	ND< 8.72
trans-1,3-Dichloropropene	ND< 8.72
Methylene chloride	ND< 21.8
1,1,2,2-Tetrachloroethane	ND< 8.72
Tetrachloroethene	ND< 8.72
1,1,1-Trichloroethane	ND< 8.72
1,1,2-Trichloroethane	ND< 8.72
Trichloroethene	ND< 8.72
Trichlorofluoromethane	ND< 8.72
Vinyl chloride	ND< 8.72

Aromatics	Results in ug / Kg
Benzene	ND< 8.72
Chlorobenzene	ND< 8.72
Ethylbenzene	ND< 8.72
Toluene	ND< 8.72
m,p-Xylene	ND< 8.72
o-Xylene	ND< 8.72
Styrene	ND< 21.8
1,2-Dichlorobenzene	ND< 21.8
1,3-Dichlorobenzene	ND< 21.8
1,4-Dichlorobenzene	ND< 8.72

Ketones	Results in ug / Kg
Acetone	ND< 43.6
2-Butanone	ND< 43.6
2-Hexanone	ND< 21.8
4-Methyl-2-pentanone	ND< 21.8

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 8.72
Vinyl acetate	ND< 21.8

ELAP Number 10958

Method: EPA 8260B

Data File: V70919.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Client Job Number: FN050130

Lab Sample Number: 13635

Field Location: TP-9 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 43.6	1,2,4-Trimethylbenzene	ND< 8.72
sec-Butylbenzene	ND< 8.72	1,3,5-Trimethylbenzene	ND< 8.72
tert-Butylbenzene	ND< 21.8		
n-Propylbenzene	ND< 8.72	Miscellaneous	
Isopropylbenzene	ND< 43.6	Methyl tert-butyl Ether	ND< 8.72
p-Isopropyltoluene	ND< 43.6		
Naphthalene	ND< 21.8		

ELAP Number 10958

Method: EPA 8260B

Data File: V70919.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: TP-9 1-2

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 09-4494

Lab Sample Number: 13636

Date Sampled: 12/01/2009

Date Received: 12/04/2009

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.2
Bromomethane	ND< 10.2
Bromoform	ND< 25.6
Carbon Tetrachloride	ND< 25.6
Chloroethane	ND< 10.2
Chloromethane	ND< 10.2
2-Chloroethyl vinyl Ether	ND< 51.1
Chloroform	ND< 10.2
Dibromochloromethane	ND< 10.2
1,1-Dichloroethane	ND< 10.2
1,2-Dichloroethane	ND< 10.2
1,1-Dichloroethene	ND< 10.2
cis-1,2-Dichloroethene	ND< 10.2
trans-1,2-Dichloroethene	ND< 10.2
1,2-Dichloropropane	ND< 10.2
cis-1,3-Dichloropropene	ND< 10.2
trans-1,3-Dichloropropene	ND< 10.2
Methylene chloride	ND< 25.6
1,1,2,2-Tetrachloroethane	ND< 10.2
Tetrachloroethene	ND< 10.2
1,1,1-Trichloroethane	ND< 10.2
1,1,2-Trichloroethane	ND< 10.2
Trichloroethene	ND< 10.2
Trichlorofluoromethane	ND< 10.2
Vinyl chloride	ND< 10.2

Aromatics	Results in ug / Kg
Benzene	ND< 10.2
Chlorobenzene	ND< 10.2
Ethylbenzene	ND< 10.2
Toluene	ND< 10.2
m,p-Xylene	ND< 10.2
o-Xylene	ND< 10.2
Styrene	ND< 25.6
1,2-Dichlorobenzene	ND< 25.6
1,3-Dichlorobenzene	ND< 25.6
1,4-Dichlorobenzene	ND< 10.2

Ketones	Results in ug / Kg
Acetone	ND< 51.1
2-Butanone	ND< 51.1
2-Hexanone	ND< 25.6
4-Methyl-2-pentanone	ND< 25.6

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 10.2
Vinyl acetate	ND< 25.6

ELAP Number 10958

Method: EPA 8260B

Data File: V70920.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13636

Client Job Number: FN050130

Field Location: TP-9 1-2

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 51.1	1,2,4-Trimethylbenzene	ND< 10.2
sec-Butylbenzene	ND< 10.2	1,3,5-Trimethylbenzene	ND< 10.2
tert-Butylbenzene	ND< 25.6		
n-Propylbenzene	ND< 10.2	Miscellaneous	
Isopropylbenzene	ND< 51.1	Methyl tert-butyl Ether	ND< 10.2
p-Isopropyltoluene	ND< 51.1		
Naphthalene	ND< 25.6		

ELAP Number 10958

Method: EPA 8260B

Data File: V70920.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13637

Client Job Number: FN050130

Field Location: TP-10 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.1
Bromomethane	ND< 10.1
Bromoform	ND< 25.3
Carbon Tetrachloride	ND< 25.3
Chloroethane	ND< 10.1
Chloromethane	ND< 10.1
2-Chloroethyl vinyl Ether	ND< 50.5
Chloroform	ND< 10.1
Dibromochloromethane	ND< 10.1
1,1-Dichloroethane	ND< 10.1
1,2-Dichloroethane	ND< 10.1
1,1-Dichloroethene	ND< 10.1
cis-1,2-Dichloroethene	ND< 10.1
trans-1,2-Dichloroethene	ND< 10.1
1,2-Dichloropropane	ND< 10.1
cis-1,3-Dichloropropene	ND< 10.1
trans-1,3-Dichloropropene	ND< 10.1
Methylene chloride	ND< 25.3
1,1,2,2-Tetrachloroethane	ND< 10.1
Tetrachloroethene	ND< 10.1
1,1,1-Trichloroethane	ND< 10.1
1,1,2-Trichloroethane	ND< 10.1
Trichloroethene	ND< 10.1
Trichlorofluoromethane	ND< 10.1
Vinyl chloride	ND< 10.1

Aromatics	Results in ug / Kg
Benzene	ND< 10.1
Chlorobenzene	ND< 10.1
Ethylbenzene	ND< 10.1
Toluene	ND< 10.1
m,p-Xylene	ND< 10.1
o-Xylene	ND< 10.1
Styrene	ND< 25.3
1,2-Dichlorobenzene	ND< 25.3
1,3-Dichlorobenzene	ND< 25.3
1,4-Dichlorobenzene	ND< 10.1

Ketones	Results in ug / Kg
Acetone	ND< 50.5
2-Butanone	ND< 50.5
2-Hexanone	ND< 25.3
4-Methyl-2-pentanone	ND< 25.3

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 10.1
Vinyl acetate	ND< 25.3

ELAP Number 10958

Method: EPA 8260B

Data File: V70921.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13637

Client Job Number: FN050130

Field Location: TP-10 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 50.5	1,2,4-Trimethylbenzene	ND< 10.1
sec-Butylbenzene	ND< 10.1	1,3,5-Trimethylbenzene	ND< 10.1
tert-Butylbenzene	ND< 25.3		
n-Propylbenzene	ND< 10.1	Miscellaneous	
Isopropylbenzene	ND< 50.5	Methyl tert-butyl Ether	ND< 10.1
p-Isopropyltoluene	ND< 50.5		
Naphthalene	ND< 25.3		

ELAP Number 10958

Method: EPA 8260B

Data File: V70921.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: TP-10 1-2

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 09-4494

Lab Sample Number: 13638

Date Sampled: 12/01/2009

Date Received: 12/04/2009

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.18
Bromomethane	ND< 8.18
Bromoform	ND< 20.5
Carbon Tetrachloride	ND< 20.5
Chloroethane	ND< 8.18
Chloromethane	ND< 8.18
2-Chloroethyl vinyl Ether	ND< 40.9
Chloroform	ND< 8.18
Dibromochloromethane	ND< 8.18
1,1-Dichloroethane	ND< 8.18
1,2-Dichloroethane	ND< 8.18
1,1-Dichloroethene	ND< 8.18
cis-1,2-Dichloroethene	ND< 8.18
trans-1,2-Dichloroethene	ND< 8.18
1,2-Dichloropropane	ND< 8.18
cis-1,3-Dichloropropene	ND< 8.18
trans-1,3-Dichloropropene	ND< 8.18
Methylene chloride	ND< 20.5
1,1,2,2-Tetrachloroethane	ND< 8.18
Tetrachloroethene	ND< 8.18
1,1,1-Trichloroethane	ND< 8.18
1,1,2-Trichloroethane	ND< 8.18
Trichloroethene	ND< 8.18
Trichlorofluoromethane	ND< 8.18
Vinyl chloride	ND< 8.18

Aromatics	Results in ug / Kg
Benzene	ND< 8.18
Chlorobenzene	ND< 8.18
Ethylbenzene	ND< 8.18
Toluene	ND< 8.18
m,p-Xylene	ND< 8.18
o-Xylene	ND< 8.18
Styrene	ND< 20.5
1,2-Dichlorobenzene	ND< 20.5
1,3-Dichlorobenzene	ND< 20.5
1,4-Dichlorobenzene	ND< 8.18

Ketones	Results in ug / Kg
Acetone	ND< 40.9
2-Butanone	ND< 40.9
2-Hexanone	ND< 20.5
4-Methyl-2-pentanone	ND< 20.5

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 8.18
Vinyl acetate	ND< 20.5

ELAP Number 10958

Method: EPA 8260B

Data File: V70922.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13638

Client Job Number: FN050130

Field Location: TP-10 1-2

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 40.9	1,2,4-Trimethylbenzene	ND< 8.18
sec-Butylbenzene	ND< 8.18	1,3,5-Trimethylbenzene	ND< 8.18
tert-Butylbenzene	ND< 20.5		
n-Propylbenzene	ND< 8.18	Miscellaneous	
Isopropylbenzene	ND< 40.9	Methyl tert-butyl Ether	ND< 8.18
p-Isopropyltoluene	ND< 40.9		
Naphthalene	ND< 20.5		

ELAP Number 10958

Method: EPA 8260B

Data File: V70922.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: TP-11 0-1

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 09-4494

Lab Sample Number: 13639

Date Sampled: 12/01/2009

Date Received: 12/04/2009

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.9
Bromomethane	ND< 10.9
Bromoform	ND< 27.2
Carbon Tetrachloride	ND< 27.2
Chloroethane	ND< 10.9
Chloromethane	ND< 10.9
2-Chloroethyl vinyl Ether	ND< 54.3
Chloroform	ND< 10.9
Dibromochloromethane	ND< 10.9
1,1-Dichloroethane	ND< 10.9
1,2-Dichloroethane	ND< 10.9
1,1-Dichloroethene	ND< 10.9
cis-1,2-Dichloroethene	ND< 10.9
trans-1,2-Dichloroethene	ND< 10.9
1,2-Dichloropropane	ND< 10.9
cis-1,3-Dichloropropene	ND< 10.9
trans-1,3-Dichloropropene	ND< 10.9
Methylene chloride	ND< 27.2
1,1,2,2-Tetrachloroethane	ND< 10.9
Tetrachloroethene	ND< 10.9
1,1,1-Trichloroethane	ND< 10.9
1,1,2-Trichloroethane	ND< 10.9
Trichloroethene	ND< 10.9
Trichlorofluoromethane	ND< 10.9
Vinyl chloride	ND< 10.9

ELAP Number 10958

Aromatics	Results in ug / Kg
Benzene	ND< 10.9
Chlorobenzene	ND< 10.9
Ethylbenzene	ND< 10.9
Toluene	ND< 10.9
m,p-Xylene	ND< 10.9
o-Xylene	ND< 10.9
Styrene	ND< 27.2
1,2-Dichlorobenzene	ND< 27.2
1,3-Dichlorobenzene	ND< 27.2
1,4-Dichlorobenzene	ND< 10.9

Ketones	Results in ug / Kg
Acetone	ND< 54.3
2-Butanone	ND< 54.3
2-Hexanone	ND< 27.2
4-Methyl-2-pentanone	ND< 27.2

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 10.9
Vinyl acetate	ND< 27.2

Data File: V70923.D

Method: EPA 8260B

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13639

Client Job Number: FN050130

Field Location: TP-11 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 54.3	1,2,4-Trimethylbenzene	ND< 10.9
sec-Butylbenzene	ND< 10.9	1,3,5-Trimethylbenzene	ND< 10.9
tert-Butylbenzene	ND< 27.2		
n-Propylbenzene	ND< 10.9	Miscellaneous	
Isopropylbenzene	ND< 54.3	Methyl tert-butyl Ether	ND< 10.9
p-Isopropyltoluene	ND< 54.3		
Naphthalene	ND< 27.2		

ELAP Number 10958

Method: EPA 8260B

Data File: V70923.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: TP-11 1-2

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 09-4494

Lab Sample Number: 13640

Date Sampled: 12/01/2009

Date Received: 12/04/2009

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.45
Bromomethane	ND< 9.45
Bromoform	ND< 23.6
Carbon Tetrachloride	ND< 23.6
Chloroethane	ND< 9.45
Chloromethane	ND< 9.45
2-Chloroethyl vinyl Ether	ND< 47.3
Chloroform	ND< 9.45
Dibromochloromethane	ND< 9.45
1,1-Dichloroethane	ND< 9.45
1,2-Dichloroethane	ND< 9.45
1,1-Dichloroethene	ND< 9.45
cis-1,2-Dichloroethene	ND< 9.45
trans-1,2-Dichloroethene	ND< 9.45
1,2-Dichloropropane	ND< 9.45
cis-1,3-Dichloropropene	ND< 9.45
trans-1,3-Dichloropropene	ND< 9.45
Methylene chloride	ND< 23.6
1,1,2,2-Tetrachloroethane	ND< 9.45
Tetrachloroethene	ND< 9.45
1,1,1-Trichloroethane	ND< 9.45
1,1,2-Trichloroethane	ND< 9.45
Trichloroethene	ND< 9.45
Trichlorofluoromethane	ND< 9.45
Vinyl chloride	ND< 9.45

Aromatics	Results in ug / Kg
Benzene	ND< 9.45
Chlorobenzene	ND< 9.45
Ethylbenzene	ND< 9.45
Toluene	ND< 9.45
m,p-Xylene	ND< 9.45
o-Xylene	ND< 9.45
Styrene	ND< 23.6
1,2-Dichlorobenzene	ND< 23.6
1,3-Dichlorobenzene	ND< 23.6
1,4-Dichlorobenzene	ND< 9.45

Ketones	Results in ug / Kg
Acetone	ND< 47.3
2-Butanone	ND< 47.3
2-Hexanone	ND< 23.6
4-Methyl-2-pentanone	ND< 23.6

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 9.45
Vinyl acetate	ND< 23.6

ELAP Number 10958

Method: EPA 8260B

Data File: V70924.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13640

Client Job Number: FN050130

Field Location: TP-11 1-2

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 47.3	1,2,4-Trimethylbenzene	ND< 9.45
sec-Butylbenzene	ND< 9.45	1,3,5-Trimethylbenzene	ND< 9.45
tert-Butylbenzene	ND< 23.6		
n-Propylbenzene	ND< 9.45	Miscellaneous	
Isopropylbenzene	ND< 47.3	Methyl tert-butyl Ether	ND< 9.45
p-Isopropyltoluene	ND< 47.3		
Naphthalene	ND< 23.6		

ELAP Number 10958

Method: EPA 8260B

Data File: V70924.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: TP-14 0-1

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 09-4494

Lab Sample Number: 13641

Date Sampled: 12/01/2009

Date Received: 12/04/2009

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 11.3
Bromomethane	ND< 11.3
Bromoform	ND< 28.2
Carbon Tetrachloride	ND< 28.2
Chloroethane	ND< 11.3
Chloromethane	ND< 11.3
2-Chloroethyl vinyl Ether	ND< 56.4
Chloroform	ND< 11.3
Dibromochloromethane	ND< 11.3
1,1-Dichloroethane	ND< 11.3
1,2-Dichloroethane	ND< 11.3
1,1-Dichloroethene	ND< 11.3
cis-1,2-Dichloroethene	ND< 11.3
trans-1,2-Dichloroethene	ND< 11.3
1,2-Dichloropropane	ND< 11.3
cis-1,3-Dichloropropene	ND< 11.3
trans-1,3-Dichloropropene	ND< 11.3
Methylene chloride	ND< 28.2
1,1,2,2-Tetrachloroethane	ND< 11.3
Tetrachloroethene	ND< 11.3
1,1,1-Trichloroethane	ND< 11.3
1,1,2-Trichloroethane	ND< 11.3
Trichloroethene	ND< 11.3
Trichlorofluoromethane	ND< 11.3
Vinyl chloride	ND< 11.3

Aromatics	Results in ug / Kg
Benzene	ND< 11.3
Chlorobenzene	ND< 11.3
Ethylbenzene	ND< 11.3
Toluene	ND< 11.3
m,p-Xylene	ND< 11.3
o-Xylene	ND< 11.3
Styrene	ND< 28.2
1,2-Dichlorobenzene	ND< 28.2
1,3-Dichlorobenzene	ND< 28.2
1,4-Dichlorobenzene	ND< 11.3

Ketones	Results in ug / Kg
Acetone	ND< 56.4
2-Butanone	ND< 56.4
2-Hexanone	ND< 28.2
4-Methyl-2-pentanone	ND< 28.2

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 11.3
Vinyl acetate	ND< 28.2

ELAP Number 10958

Method: EPA 8260B

Data File: V70925.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13641

Client Job Number: FN050130

Field Location: TP-14 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 56.4	1,2,4-Trimethylbenzene	ND< 11.3
sec-Butylbenzene	ND< 11.3	1,3,5-Trimethylbenzene	ND< 11.3
tert-Butylbenzene	ND< 28.2		
n-Propylbenzene	ND< 11.3	Miscellaneous	
Isopropylbenzene	ND< 56.4	Methyl tert-butyl Ether	ND< 11.3
p-Isopropyltoluene	ND< 56.4		
Naphthalene	ND< 28.2		

ELAP Number 10958

Method: EPA 8260B

Data File: V70925.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Client Job Number: FN050130

Field Location: TP-14 1-2

Field ID Number: N/A

Sample Type: Soil

Lab Project Number: 09-4494

Lab Sample Number: 13642

Date Sampled: 12/01/2009

Date Received: 12/04/2009

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 8.47
Bromomethane	ND< 8.47
Bromoform	ND< 21.2
Carbon Tetrachloride	ND< 21.2
Chloroethane	ND< 8.47
Chloromethane	ND< 8.47
2-Chloroethyl vinyl Ether	ND< 42.3
Chloroform	ND< 8.47
Dibromochloromethane	ND< 8.47
1,1-Dichloroethane	ND< 8.47
1,2-Dichloroethane	ND< 8.47
1,1-Dichloroethene	ND< 8.47
cis-1,2-Dichloroethene	ND< 8.47
trans-1,2-Dichloroethene	ND< 8.47
1,2-Dichloropropane	ND< 8.47
cis-1,3-Dichloropropene	ND< 8.47
trans-1,3-Dichloropropene	ND< 8.47
Methylene chloride	ND< 21.2
1,1,2,2-Tetrachloroethane	ND< 8.47
Tetrachloroethene	ND< 8.47
1,1,1-Trichloroethane	ND< 8.47
1,1,2-Trichloroethane	ND< 8.47
Trichloroethene	ND< 8.47
Trichlorofluoromethane	ND< 8.47
Vinyl chloride	ND< 8.47

Aromatics	Results in ug / Kg
Benzene	ND< 8.47
Chlorobenzene	ND< 8.47
Ethylbenzene	ND< 8.47
Toluene	ND< 8.47
m,p-Xylene	ND< 8.47
o-Xylene	ND< 8.47
Styrene	ND< 21.2
1,2-Dichlorobenzene	ND< 21.2
1,3-Dichlorobenzene	ND< 21.2
1,4-Dichlorobenzene	ND< 8.47

Ketones	Results in ug / Kg
Acetone	ND< 42.3
2-Butanone	ND< 42.3
2-Hexanone	ND< 21.2
4-Methyl-2-pentanone	ND< 21.2

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 8.47
Vinyl acetate	ND< 21.2

ELAP Number 10958

Method: EPA 8260B

Data File: V70926.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13642

Client Job Number: FN050130

Field Location: TP-14 1-2

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 42.3	1,2,4-Trimethylbenzene	ND< 8.47
sec-Butylbenzene	ND< 8.47	1,3,5-Trimethylbenzene	ND< 8.47
tert-Butylbenzene	ND< 21.2		
n-Propylbenzene	ND< 8.47	Miscellaneous	
Isopropylbenzene	ND< 42.3	Methyl tert-butyl Ether	ND< 8.47
p-Isopropyltoluene	ND< 42.3		
Naphthalene	ND< 21.2		

ELAP Number 10958

Method: EPA 8260B

Data File: V70926.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13643

Client Job Number: FN050130

Field Location: TP-15 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.3
Bromomethane	ND< 10.3
Bromoform	ND< 25.9
Carbon Tetrachloride	ND< 25.9
Chloroethane	ND< 10.3
Chloromethane	ND< 10.3
2-Chloroethyl vinyl Ether	ND< 51.7
Chloroform	ND< 10.3
Dibromochloromethane	ND< 10.3
1,1-Dichloroethane	ND< 10.3
1,2-Dichloroethane	ND< 10.3
1,1-Dichloroethene	ND< 10.3
cis-1,2-Dichloroethene	ND< 10.3
trans-1,2-Dichloroethene	ND< 10.3
1,2-Dichloropropane	ND< 10.3
cis-1,3-Dichloropropene	ND< 10.3
trans-1,3-Dichloropropene	ND< 10.3
Methylene chloride	ND< 25.9
1,1,2,2-Tetrachloroethane	ND< 10.3
Tetrachloroethene	ND< 10.3
1,1,1-Trichloroethane	ND< 10.3
1,1,2-Trichloroethane	ND< 10.3
Trichloroethene	ND< 10.3
Trichlorofluoromethane	ND< 10.3
Vinyl chloride	ND< 10.3

Aromatics	Results in ug / Kg
Benzene	ND< 10.3
Chlorobenzene	ND< 10.3
Ethylbenzene	ND< 10.3
Toluene	ND< 10.3
m,p-Xylene	ND< 10.3
o-Xylene	ND< 10.3
Styrene	ND< 25.9
1,2-Dichlorobenzene	ND< 25.9
1,3-Dichlorobenzene	ND< 25.9
1,4-Dichlorobenzene	ND< 10.3

Ketones	Results in ug / Kg
Acetone	ND< 51.7
2-Butanone	ND< 51.7
2-Hexanone	ND< 25.9
4-Methyl-2-pentanone	ND< 25.9

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 10.3
Vinyl acetate	ND< 25.9

ELAP Number 10958

Method: EPA 8260B

Data File: V70927.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13643

Client Job Number: FN050130

Field Location: TP-15 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 51.7	1,2,4-Trimethylbenzene	ND< 10.3
sec-Butylbenzene	ND< 10.3	1,3,5-Trimethylbenzene	ND< 10.3
tert-Butylbenzene	ND< 25.9		
n-Propylbenzene	ND< 10.3	Miscellaneous	
Isopropylbenzene	ND< 51.7	Methyl tert-butyl Ether	ND< 10.3
p-Isopropyltoluene	ND< 51.7		
Naphthalene	ND< 25.9		

ELAP Number 10958

Method: EPA 8260B

Data File: V70927.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13644

Client Job Number: FN050130

Field Location: TP-15 1-2

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.8
Bromomethane	ND< 10.8
Bromoform	ND< 27.0
Carbon Tetrachloride	ND< 27.0
Chloroethane	ND< 10.8
Chloromethane	ND< 10.8
2-Chloroethyl vinyl Ether	ND< 54.1
Chloroform	ND< 10.8
Dibromochloromethane	ND< 10.8
1,1-Dichloroethane	ND< 10.8
1,2-Dichloroethane	ND< 10.8
1,1-Dichloroethene	ND< 10.8
cis-1,2-Dichloroethene	ND< 10.8
trans-1,2-Dichloroethene	ND< 10.8
1,2-Dichloropropane	ND< 10.8
cis-1,3-Dichloropropene	ND< 10.8
trans-1,3-Dichloropropene	ND< 10.8
Methylene chloride	ND< 27.0
1,1,2,2-Tetrachloroethane	ND< 10.8
Tetrachloroethene	ND< 10.8
1,1,1-Trichloroethane	ND< 10.8
1,1,2-Trichloroethane	ND< 10.8
Trichloroethene	ND< 10.8
Trichlorofluoromethane	ND< 10.8
Vinyl chloride	ND< 10.8

Aromatics	Results in ug / Kg
Benzene	ND< 10.8
Chlorobenzene	ND< 10.8
Ethylbenzene	ND< 10.8
Toluene	ND< 10.8
m,p-Xylene	ND< 10.8
o-Xylene	ND< 10.8
Styrene	ND< 27.0
1,2-Dichlorobenzene	ND< 27.0
1,3-Dichlorobenzene	ND< 27.0
1,4-Dichlorobenzene	ND< 10.8

Ketones	Results in ug / Kg
Acetone	ND< 54.1
2-Butanone	ND< 54.1
2-Hexanone	ND< 27.0
4-Methyl-2-pentanone	ND< 27.0

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 10.8
Vinyl acetate	ND< 27.0

ELAP Number 10958

Method: EPA 8260B

Data File: V70928.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13644

Client Job Number: FN050130

Field Location: TP-15 1-2

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 54.1	1,2,4-Trimethylbenzene	ND< 10.8
sec-Butylbenzene	ND< 10.8	1,3,5-Trimethylbenzene	ND< 10.8
tert-Butylbenzene	ND< 27.0		
n-Propylbenzene	ND< 10.8	Miscellaneous	
Isopropylbenzene	ND< 54.1	Methyl tert-butyl Ether	ND< 10.8
p-Isopropyltoluene	ND< 54.1		
Naphthalene	ND< 27.0		

ELAP Number 10958

Method: EPA 8260B

Data File: V70928.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13645

Client Job Number: FN050130

Field Location: TP-16 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.02
Bromomethane	ND< 9.02
Bromoform	ND< 22.6
Carbon Tetrachloride	ND< 22.6
Chloroethane	ND< 9.02
Chloromethane	ND< 9.02
2-Chloroethyl vinyl Ether	ND< 45.1
Chloroform	ND< 9.02
Dibromochloromethane	ND< 9.02
1,1-Dichloroethane	ND< 9.02
1,2-Dichloroethane	ND< 9.02
1,1-Dichloroethene	ND< 9.02
cis-1,2-Dichloroethene	ND< 9.02
trans-1,2-Dichloroethene	ND< 9.02
1,2-Dichloropropane	ND< 9.02
cis-1,3-Dichloropropene	ND< 9.02
trans-1,3-Dichloropropene	ND< 9.02
Methylene chloride	ND< 22.6
1,1,2,2-Tetrachloroethane	ND< 9.02
Tetrachloroethene	ND< 9.02
1,1,1-Trichloroethane	ND< 9.02
1,1,2-Trichloroethane	ND< 9.02
Trichloroethene	ND< 9.02
Trichlorofluoromethane	ND< 9.02
Vinyl chloride	ND< 9.02

Aromatics	Results in ug / Kg
Benzene	ND< 9.02
Chlorobenzene	ND< 9.02
Ethylbenzene	ND< 9.02
Toluene	ND< 9.02
m,p-Xylene	ND< 9.02
o-Xylene	ND< 9.02
Styrene	ND< 22.6
1,2-Dichlorobenzene	ND< 22.6
1,3-Dichlorobenzene	ND< 22.6
1,4-Dichlorobenzene	ND< 9.02

Ketones	Results in ug / Kg
Acetone	ND< 45.1
2-Butanone	ND< 45.1
2-Hexanone	ND< 22.6
4-Methyl-2-pentanone	ND< 22.6

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 9.02
Vinyl acetate	ND< 22.6

ELAP Number 10958

Method: EPA 8260B

Data File: V70929.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13645

Client Job Number: FN050130

Field Location: TP-16 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 45.1	1,2,4-Trimethylbenzene	ND< 9.02
sec-Butylbenzene	ND< 9.02	1,3,5-Trimethylbenzene	ND< 9.02
tert-Butylbenzene	ND< 22.6		
n-Propylbenzene	ND< 9.02	Miscellaneous	
Isopropylbenzene	ND< 45.1	Methyl tert-butyl Ether	ND< 9.02
p-Isopropyltoluene	ND< 45.1		
Naphthalene	ND< 22.6		

ELAP Number 10958

Method: EPA 8260B

Data File: V70929.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: 

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13646

Client Job Number: FN050130

Field Location: TP-16 1-2

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.2
Bromomethane	ND< 10.2
Bromoform	ND< 25.6
Carbon Tetrachloride	ND< 25.6
Chloroethane	ND< 10.2
Chloromethane	ND< 10.2
2-Chloroethyl vinyl Ether	ND< 51.2
Chloroform	ND< 10.2
Dibromochloromethane	ND< 10.2
1,1-Dichloroethane	ND< 10.2
1,2-Dichloroethane	ND< 10.2
1,1-Dichloroethene	ND< 10.2
cis-1,2-Dichloroethene	ND< 10.2
trans-1,2-Dichloroethene	ND< 10.2
1,2-Dichloropropane	ND< 10.2
cis-1,3-Dichloropropene	ND< 10.2
trans-1,3-Dichloropropene	ND< 10.2
Methylene chloride	ND< 25.6
1,1,2,2-Tetrachloroethane	ND< 10.2
Tetrachloroethene	ND< 10.2
1,1,1-Trichloroethane	ND< 10.2
1,1,2-Trichloroethane	ND< 10.2
Trichloroethene	ND< 10.2
Trichlorofluoromethane	ND< 10.2
Vinyl chloride	ND< 10.2

Aromatics	Results in ug / Kg
Benzene	ND< 10.2
Chlorobenzene	ND< 10.2
Ethylbenzene	ND< 10.2
Toluene	ND< 10.2
m,p-Xylene	ND< 10.2
o-Xylene	ND< 10.2
Styrene	ND< 25.6
1,2-Dichlorobenzene	ND< 25.6
1,3-Dichlorobenzene	ND< 25.6
1,4-Dichlorobenzene	ND< 10.2

Ketones	Results in ug / Kg
Acetone	ND< 51.2
2-Butanone	ND< 51.2
2-Hexanone	ND< 25.6
4-Methyl-2-pentanone	ND< 25.6

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 10.2
Vinyl acetate	ND< 25.6

ELAP Number 10958

Method: EPA 8260B

Data File: V70930.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13646

Client Job Number: FN050130

Field Location: TP-16 1-2

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 51.2	1,2,4-Trimethylbenzene	ND< 10.2
sec-Butylbenzene	ND< 10.2	1,3,5-Trimethylbenzene	ND< 10.2
tert-Butylbenzene	ND< 25.6		
n-Propylbenzene	ND< 10.2	Miscellaneous	
Isopropylbenzene	ND< 51.2	Methyl tert-butyl Ether	ND< 10.2
p-Isopropyltoluene	ND< 51.2		
Naphthalene	ND< 25.6		

ELAP Number 10958

Method: EPA 8260B

Data File: V70930.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13647

Client Job Number: FN050130

Field Location: TP-17 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 10.9
Bromomethane	ND< 10.9
Bromoform	ND< 27.3
Carbon Tetrachloride	ND< 27.3
Chloroethane	ND< 10.9
Chloromethane	ND< 10.9
2-Chloroethyl vinyl Ether	ND< 54.6
Chloroform	ND< 10.9
Dibromochloromethane	ND< 10.9
1,1-Dichloroethane	ND< 10.9
1,2-Dichloroethane	ND< 10.9
1,1-Dichloroethene	ND< 10.9
cis-1,2-Dichloroethene	ND< 10.9
trans-1,2-Dichloroethene	ND< 10.9
1,2-Dichloropropane	ND< 10.9
cis-1,3-Dichloropropene	ND< 10.9
trans-1,3-Dichloropropene	ND< 10.9
Methylene chloride	ND< 27.3
1,1,2,2-Tetrachloroethane	ND< 10.9
Tetrachloroethene	ND< 10.9
1,1,1-Trichloroethane	ND< 10.9
1,1,2-Trichloroethane	ND< 10.9
Trichloroethene	ND< 10.9
Trichlorofluoromethane	ND< 10.9
Vinyl chloride	ND< 10.9

Aromatics	Results in ug / Kg
Benzene	ND< 10.9
Chlorobenzene	ND< 10.9
Ethylbenzene	ND< 10.9
Toluene	ND< 10.9
m,p-Xylene	ND< 10.9
o-Xylene	ND< 10.9
Styrene	ND< 27.3
1,2-Dichlorobenzene	ND< 27.3
1,3-Dichlorobenzene	ND< 27.3
1,4-Dichlorobenzene	ND< 10.9

Ketones	Results in ug / Kg
Acetone	ND< 54.6
2-Butanone	ND< 54.6
2-Hexanone	ND< 27.3
4-Methyl-2-pentanone	ND< 27.3

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 10.9
Vinyl acetate	ND< 27.3

ELAP Number 10958

Method: EPA 8260B

Data File: V70931.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: Conrad Geoscience

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13647

Client Job Number: FN050130

Field Location: TP-17 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 54.6	1,2,4-Trimethylbenzene	ND< 10.9
sec-Butylbenzene	ND< 10.9	1,3,5-Trimethylbenzene	ND< 10.9
tert-Butylbenzene	ND< 27.3		
n-Propylbenzene	ND< 10.9	Miscellaneous	
Isopropylbenzene	ND< 54.6	Methyl tert-butyl Ether	ND< 10.9
p-Isopropyltoluene	ND< 54.6		
Naphthalene	ND< 27.3		

ELAP Number 10958

Method: EPA 8260B

Data File: V70931.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

**Volatile Analysis Report for Soils/Solids/Sludges**Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13648

Client Job Number: FN050130

Field Location: TP-20 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 9.72
Bromomethane	ND< 9.72
Bromoform	ND< 24.3
Carbon Tetrachloride	ND< 24.3
Chloroethane	ND< 9.72
Chloromethane	ND< 9.72
2-Chloroethyl vinyl Ether	ND< 48.6
Chloroform	ND< 9.72
Dibromochloromethane	ND< 9.72
1,1-Dichloroethane	ND< 9.72
1,2-Dichloroethane	ND< 9.72
1,1-Dichloroethene	ND< 9.72
cis-1,2-Dichloroethene	ND< 9.72
trans-1,2-Dichloroethene	ND< 9.72
1,2-Dichloropropane	ND< 9.72
cis-1,3-Dichloropropene	ND< 9.72
trans-1,3-Dichloropropene	ND< 9.72
Methylene chloride	ND< 24.3
1,1,2,2-Tetrachloroethane	ND< 9.72
Tetrachloroethene	ND< 9.72
1,1,1-Trichloroethane	ND< 9.72
1,1,2-Trichloroethane	ND< 9.72
Trichloroethene	ND< 9.72
Trichlorofluoromethane	ND< 9.72
Vinyl chloride	ND< 9.72

Aromatics	Results in ug / Kg
Benzene	ND< 9.72
Chlorobenzene	ND< 9.72
Ethylbenzene	ND< 9.72
Toluene	ND< 9.72
m,p-Xylene	ND< 9.72
o-Xylene	ND< 9.72
Styrene	ND< 24.3
1,2-Dichlorobenzene	ND< 24.3
1,3-Dichlorobenzene	ND< 24.3
1,4-Dichlorobenzene	ND< 9.72

Ketones	Results in ug / Kg
Acetone	ND< 48.6
2-Butanone	ND< 48.6
2-Hexanone	ND< 24.3
4-Methyl-2-pentanone	ND< 24.3

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 9.72
Vinyl acetate	ND< 24.3

ELAP Number 10958

Method: EPA 8260B

Data File: V70934.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director



Volatile Analysis Report for Soils/Solids/Sludges (Additional STARS Compounds)

Client: **Conrad Geoscience**

Client Job Site: F&T Darrigo

Lab Project Number: 09-4494

Lab Sample Number: 13648

Client Job Number: FN050130

Field Location: TP-20 0-1

Date Sampled: 12/01/2009

Field ID Number: N/A

Date Received: 12/04/2009

Sample Type: Soil

Date Analyzed: 12/08/2009

Aromatics	Results in ug / Kg	Aromatics	Results in ug / Kg
n-Butylbenzene	ND< 48.6	1,2,4-Trimethylbenzene	ND< 9.72
sec-Butylbenzene	ND< 9.72	1,3,5-Trimethylbenzene	ND< 9.72
tert-Butylbenzene	ND< 24.3		
n-Propylbenzene	ND< 9.72	Miscellaneous	
Isopropylbenzene	ND< 48.6	Methyl tert-butyl Ether	ND< 9.72
p-Isopropyltoluene	ND< 48.6		
Naphthalene	ND< 24.3		

ELAP Number 10958

Method: EPA 8260B

Data File: V70934.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-5530 • (800) 724-1997
FAX: (585) 647-3311

PROJECT NAME/SITE NAME:
1st Dargy

REPORT TO: COMPANY: <u>Conrad Geoservice</u> ADDRESS: <u>One Civic Center Plaza, Suite 501</u> CITY: <u>Rochester</u> STATE: <u>NY</u> ZIP: <u>14601</u> PHONE: <u>(585) 444-2544</u> FAX: _____ ATTN: <u>Matt Tymchak</u>		INVOICE TO: COMPANY: <u>Same</u> ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____ PHONE: _____ FAX: _____ ATTN: <u>Same</u>		LAB PROJECT #: <u>09-4444</u>		CLIENT PROJECT #: <u>FN050130</u>	
COMMENTS: Please return cookers.				TURNAROUND TIME: (WORKING DAYS) 1 2 3 5 STD 10 OTHER			

DATE	TIME	C O M P O S I T E	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O U N T M A T R I X	TCL VOCs	FM SVOCs	13 PP Metals	Regist-8082/8081	Hex Cr	REMARKS	PARADIGM LAB SAMPLE NUMBER
12/1/09	910		X	TP-1 0-1	Soil	1	X	X	X	X		CPC MT VOC list	13626
2 12/1/09	931		X	TP-3 0-1	S	1	X	X	X	X		TCL+stua	13627
3 12/1/09	930		X	TP-2 0-1 TP-3 0-1 ^{us}	S	1	X	X	X	X			13628
4 12/1/09	945		X	TP-4 1-2	S	1	X						13629
5 12/1/09	955		X	TP-5 0-1	S	1	X	X	X	X			13630
6 12/1/09	955		X	TP-5 1-2	S	1	X						13631
7 12/1/09	1024		X	TP-7 0-1	S	1	X					Hex Cr added to	13632
8 12/1/09	1036		X	TP-8 0-1	S	1	X					Some samples as per sub CDC to Adk, from M. Tymchak emailed to St. Barbara	13633
9 12/1/09	1036		X	TP-8 1-2	S	1	X						13634
10 12/1/09	1044		X	TP-9 0-1	S	1	X					12/7. EPH 12/7	13635

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter Container Type: _____ Preservation: _____ Holding Time: _____ Temperature: _____ Comments: <u>5°C 1ccl</u>		NELAC Compliance Y ☒ N ☐ Y ☐ N ☐ Y ☒ N ☐ Y ☐ N ☐	

Received By: <u>[Signature]</u> Date/Time: <u>12/3/09 852</u>	Total Cost:
Relinquished By: <u>[Signature]</u> Date/Time: <u>12/3/09 1700</u>	
Received By: <u>Emily Farmer</u> Date/Time: <u>12/4/09 1010</u>	P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

PROJECT NAME/SITE NAME:
F&T Darrigo

REPORT TO:

INVOICE TO:

COMPANY: Conrad Goodwin	ADDRESS: One Civic Center Plaza	CITY: Poughkeepsie	STATE: NY	ZIP: 12601
ATTN: Matt Goodwin	PHONE: (845) 454-2655	FAX: (845) 454-2655		
COMPANY: Same	ADDRESS: Same	CITY: Same	STATE: Same	ZIP: Same
ATTN: Sara Goodwin	PHONE: Same	FAX: Same		
LAB PROJECT #: 09-44941	CLIENT PROJECT #: FN050130	TURNAROUND TIME: (WORKING DAYS)		
QUOTE #:		☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ 10		

REQUESTED ANALYSIS

DATE	TIME	C O M P O S I T E	G R A B	SAMPLE LOCATION/FIELD ID	M A T T R I X	C O N T A M I N A N T S	T C L V O C S	F U L L S V O C S	13 P P M e t h a n e	P C B / P e n t a c h l o r i n e	H e x a c h l o r i n e	REMARKS	PARADIGM LAB SAMPLE NUMBER
12/1/09	1044		X	TP-9 1-2	Soil	1	X					COC MET VOLT 187	13636
12/1/09	1054			TP-10 0-1			X	X	X	X	X	TCLT-SBPA 12/14/09	13637
12/1/09	1054			TP-10 1-2			X					Opaline 1180	13638
12/1/09	1105			TP-11 0-1			X						13639
12/1/09	1105			TP-11 1-2			X						13640
12/1/09	1137			TP-14 0-1			X	X	X	X	X		13641
12/1/09	1137			TP-14 1-2			X						13642
12/1/09	1150			TP-15 0-1			X						13643
12/1/09	1150			TP-15 1-2			X						13644
12/1/09	1157			TP-16 0-1			X	X	X	X	X		13645

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAP 210/241/242/243/244

Receipt Parameter	NELAP Compliance
Container Type:	Y ☒ N ☐
Preservation:	Y ☐ N ☐
Holding Time:	Y ☒ N ☐
Temperature:	Y ☒ N ☐
Comments:	Sic recd

Sampled By: Mike AT	Date/Time: 12/13/09 852	Total Cost:
Relinquished By: Mike AT	Date/Time: 12/13/09 1700	
Received By: Emily Farmer	Date/Time: 12/14/09 1010	P.L.F.
Received @ Lab By:	Date/Time:	

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

PROJECT NAME/SITE NAME:
F&T Dairies

REPORT TO:		INVOICE TO:	
COMPANY: Conrad Geoscience	ADDRESS: One Civic Center Plaza	COMPANY: Same	ADDRESS: Same
CITY: Poughkeepsie	STATE: NY	CITY: Poughkeepsie	STATE: NY
ZIP: 12601	PHONE: (845) 454-2544	ZIP: 12601	PHONE: (845) 454-2655
FAX: (845) 454-2655	ATTN: Math Tymoshuk	FAX: (845) 454-2655	ATTN: Sara Coolwin
COMMENTS: Please return cookies		COMMENTS: Same Coolwin	
LAB PROJECT #:	CLIENT PROJECT #:	LAB PROJECT #:	CLIENT PROJECT #:
09-4494	FN050130	09-4494	FN050130
TURNAROUND TIME: (WORKING DAYS)		TURNAROUND TIME: (WORKING DAYS)	
1 2 3 5		1 2 3 5	
QUOTE #:		QUOTE #:	
1 2 3 5		1 2 3 5	

DATE	TIME	COMPOSITION	GRAIN	SAMPLE LOCATION/FIELD ID	MATERIAL	CONTAMINANTS	TESTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
12/1/09	1157	X	TP-16	1-2	Soil	1	X	CRC, MT VDA11st	13646
12/1/09	1204	X	TP-17	0-1	Soil	1	X	TCL + Struv 12/1/09	13647
12/1/09	1228	X	TP-20	0-1	Soil	1	X	opaxa 1225	13648
12/3/09	752	X	TP-12-5-6	0-1	Soil	1	X		13649
12/3/09	756	X	TP-5-6-7-8	1-2	Soil	1	X		13650
12/3/09	800	X	TP-7-8-11-12	0-1	Soil	1	X		13651
12/3/09	804	X	TP-11-12-B-14	1-2	Soil	1	X		13652
12/3/09	808	X	TP-13-14-19-20	0-1	Soil	1	X		13653
12/3/09	812	X	TP-2-3-4-5	1-2	Soil	1	X		13654
12/3/09	816	X	TP-4-5-8-9	0-1	Soil	1	X		13655

LAB USE ONLY BY BELOW THIS LINE

Sample Condition: Per NELAC ELAP 210/241/242/243/244

Receipt Parameter		NELAC Compliance	
Container Type:	☒ Y ☐ N	Container Type:	☒ Y ☐ N
Preservation:	☒ Y ☐ N	Preservation:	☒ Y ☐ N
Holding Time:	☒ Y ☐ N	Holding Time:	☒ Y ☐ N
Temperature:	☒ Y ☐ N	Temperature:	☒ Y ☐ N
Comments: Secured		Comments: Secured	

Received By: Chadley	Date/Time: 12/3/09 852
Relinquished By: Chadley	Date/Time: 12/3/09 1700
Received By: Chadley	Date/Time: 12/14/09 1010
Relinquished By: Chadley	Date/Time: 12/14/09 1010

Total Cost:

P.L.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 847-2530 • (800) 724-1997
FAX: (585) 647-3311

PROJECT NAME/SITE NAME:
F&T Daringo

REPORT TO		INVOICE TO	
COMPANY:	CONRAD BEASANCE	COMPANY:	Same
ADDRESS:	One City Center Plaza	ADDRESS:	
CITY:	Poughkeepsie	CITY:	
STATE:	NY	STATE:	
ZIP:	12601	ZIP:	
PHONE:	(845) 449-5544	PHONE:	
FAX:	(845) 449-2655	FAX:	
ATTN:	Matt Tymoshuk	ATTN:	Sara Conduvin
COMMENTS:	Please return colors.	COMMENTS:	
REQUESTED ANALYSIS:		LAB PROJECT #:	09-4494
		CLIENT PROJECT #:	FN050130
		TURNAROUND TIME: (WORKING DAYS)	
		QUOTE #:	1 2 3 5 10
		STD	
		OTHER	

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATERIALS	CONTAMINANTS	PCB/PAH/8000/1000	Hex Cr	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	12/31/09	820	X	TP-8-9-10-11 1-2	Soil	1	X	X	X	13656
2	1	824	X	TP-10-11-14-15 0-1	Soil	1	X	X	X	13657
3		828	X	TP-14-15-18-19 1-2	Soil	1	X	X	X	13658
4		832	X	TP-15-16-17-18 0-1	Soil	1	X	X	X	13659
5		836	X	TP-1-2-3 1-2	Soil	1	X	X	X	13660
6		840	X	TP-4-5-6 1-2	Soil	1	X	X	X	13661
7		844	X	TP-10-11-12 1-2	Soil	1	X	X	X	13662
8		848	X	TP-13-14-15-16 0-1	Soil	1	X	X	X	13663
9		852	X	TP-17-18-19-20 1-2	Soil	1	X	X	X	13664
10										

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter		NELAC Compliance	
Container Type:	Y ☒ N ☐		
Preservation:	Y ☐ N ☐		
Holding Time:	Y ☒ N ☐		
Temperature:	Y ☒ N ☐		
Comments:	5°C Ice		

Received By	Date/Time	P.L.F.
<i>[Signature]</i>	12/31/09 852	
Relinquished By	Date/Time	Total Cost:
<i>[Signature]</i>	12/31/09 1700	
Received @ Lab By	Date/Time	
<i>[Signature]</i>	12/4/09 1010	

New York State Department of Environmental Conservation

Division of Environmental Remediation

Remedial Bureau C, 11th Floor

625 Broadway, Albany, New York 12233-7014

Phone: (518) 402-9662 • Fax: (518) 402-9679

Website: www.dec.ny.gov



Joe Martens
Commissioner

Christopher Brown
Conrad Geoscience Corp.
One Civic Center Plaza
Suite 501
Poughkeepsie, NY 12601

July 29, 2013

RE: F & T Darrigo
Site # 336002
Annual Groundwater Monitoring Report

Dear Mr. Brown,

The New York State Department of Environmental Conservation (Department) and the New York State Department of Health (NYSDOH) have reviewed the annual groundwater monitoring report for the F & T Darrigo Site. The report is hereby approved with the following modification:

- The Department and NYSDOH do not approve terminating the periodic groundwater sampling. The Department and NYSDOH propose removing monitoring wells GWFT-1, GWFT-2, and MW-3 from the periodic groundwater sampling. Monitoring wells MW-4, MW-5, and MW-6 will continue to be monitored to ensure that the remedy remains protective of groundwater.

Please amend the interim SMP to reflect the change in the groundwater monitoring.

If you have any questions, please contact me at 518-402-9662.

Sincerely,

Randy Whitcher
Project Manager
Remedial Bureau C
Division of Environmental Remediation



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 09-4204
Issued November 17, 2009
This report contains a total of 6 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.

"E" = Result has been estimated, calibration limit exceeded.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR METALS ANALYSIS IN WATERS

Client: Conrad Geoscience
Client Job Site: F&T Darrigo Newburgh
Client Job No.: FN050130
Field Location: MW-4
Field ID No.: N/A

Lab Project No.: 09-4204
Lab Sample No.: 12647
Sample Type: Ground Water
Date Sampled: 11/06/2009
Date Received: 11/10/2009

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	11/16/2009	EPA 6010	<0.005
Barium	11/16/2009	EPA 6010	<0.020
Cadmium	11/16/2009	EPA 6010	<0.005
Chromium	11/16/2009	EPA 6010	<0.010
Copper	11/16/2009	EPA 6010	<0.010
Lead	11/16/2009	EPA 6010	<0.005
Mercury	11/17/2009	EPA 7470	<0.0002
Nickel	11/16/2009	EPA 6010	<0.040
Zinc	11/16/2009	EPA 6010	<0.020

ELAP ID No.:10958

Comments:

Approved By: Bruce Hoogesteger
Bruce Hoogesteger, Technical Director



LAB REPORT FOR METALS ANALYSIS IN WATERS

Lab Project No.:	09-4204
Lab Sample No.:	12648
Sample Type:	Ground Water
Date Sampled:	11/06/2009
Date Received:	11/10/2009

[illegible]

Comments:

Approved By: Bruce Hoogesteger
Bruce Hoogesteger, Technical Director



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR METALS ANALYSIS IN WATERS

Client: Conrad Geoscience
Client Job Site: F&T Darrigo Newburgh
Client Job No.: FN050130
Field Location: MW-3
Field ID No.: N/A

Lab Project No.: 09-4204
Lab Sample No.: 12649
Sample Type: Ground Water
Date Sampled: 11/06/2009
Date Received: 11/10/2009

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	11/16/2009	EPA 6010	<0.005
Barium	11/16/2009	EPA 6010	<0.020
Cadmium	11/16/2009	EPA 6010	<0.005
Chromium	11/16/2009	EPA 6010	<0.010
Copper	11/16/2009	EPA 6010	<0.010
Lead	11/16/2009	EPA 6010	<0.005
Mercury	11/17/2009	EPA 7470	<0.0002
Nickel	11/16/2009	EPA 6010	<0.040
Zinc	11/16/2009	EPA 6010	<0.020

ELAP ID No.:10958

Comments:

Approved By: Bruce Hoogesteger

Bruce Hoogesteger, Technical Director



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR METALS ANALYSIS IN WATERS

Client: Conrad Geoscience
Client Job Site: F&T Darrigo Newburgh
Client Job No.: FN050130
Field Location: MW-6
Field ID No.: N/A

Lab Project No.: 09-4204
Lab Sample No.: 12650
Sample Type: Ground Water
Date Sampled: 11/06/2009
Date Received: 11/10/2009

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	11/16/2009	EPA 6010	<0.005
Barium	11/16/2009	EPA 6010	0.061
Cadmium	11/16/2009	EPA 6010	<0.005
Chromium	11/16/2009	EPA 6010	<0.010
Copper	11/16/2009	EPA 6010	<0.010
Lead	11/16/2009	EPA 6010	<0.005
Mercury	11/17/2009	EPA 7470	<0.0002
Nickel	11/16/2009	EPA 6010	<0.040
Zinc	11/16/2009	EPA 6010	<0.020

ELAP ID No.:10958

Comments:

Approved By:

Bruce Hoogesteger

Bruce Hoogesteger, Technical Director

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

PROJECT NAME/SITE NAME:
F + I Darryl's
Newburgh

REPORT TO

INVOICE TO

COMPANY: <u>Conrad Cassidine</u>	COMPANY: <u>SANE</u>	LAB PROJECT #: <u>09-4204</u>	CLIENT PROJECT #: <u>EN050130</u>
ADDRESS: <u>1 Civic Center Plaza</u>	ADDRESS: <u>Suite 501</u>		
CITY: <u>Roseton</u>	CITY: <u>NY</u>	STATE: <u>NY</u>	ZIP: <u>12601</u>
PHONE: <u>845-454-2544</u>	PHONE: <u>845-454-2544</u>	FAX: <u></u>	FAX: <u></u>
ATTN: <u>M-H Tyndale</u>	ATTN: <u>Dan Goodwin</u>		
COMMENTS: <u>Please return Cooler</u>			
QUOTE #:		1 ☐	2 ☐
		3 ☐	4 ☒
		5 ☐	6 ☐
		7 ☐	8 ☐
		9 ☐	10 ☐

REQUESTED ANALYSIS

DATE	TIME	C O M P O S I T E	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N A N T S	REMARKS	PARADIGM LAB SAMPLE NUMBER
11/6/09	1035		X	MW-4	CW	Co, Pb, Ni Zn, Cd, Ba As, Hg, Cr	AS - Arsenic per client/11/17/09.	12647
2	1052		X	MW-5				12648
3	1132		X	MW-3				12649
4	1207		X	MW-6				12650
5								
6								
7								
8								
9								
10								

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type:	Y ☒ N ☐
Preservation:	Y ☒ N ☐
Holding Time:	Y ☒ N ☐
Temperature:	Y ☒ N ☐
Comments:	4°C iced

Received By: [Signature] Date/Time: 11/6/09 1207

Total Cost:

Relinquished By: Emily Fournier Date/Time: 11/6/09 1030

P.L.F.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 10-3915

Issued October 8, 2010

Re-Issued October 12, 2010

This report contains a total of 3 pages

This report has been re-issued to include Cadmium.

The reported results relate only to the samples as they have been received by the laboratory.

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NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

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"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

LAB REPORT FOR METALS ANALYSIS IN WATERS

Client: Conrad Geoscience

Lab Project No.: 10-3915

Client Job Site: F&T Darrigo

Sample Type: Water

Method: SW 846: 6010,7470

Client Job No.: FN050130

Date(s) Sampled: 09/23/2010

Date Received: 09/24/2010

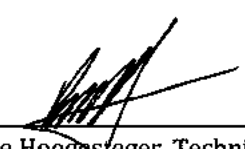
Date Analyzed: 10/01-07/2010

Date Reissued: 10/12/2010

Lab Sample No.	Field ID No.	Field Location	As Results (mg/L)	Ba Results (mg/L)	Cd Results (mg/L)	Cr Results (mg/L)	Cu Results (mg/L)	Ni Results (mg/L)	Pb Results (mg/L)	Zn Results (mg/L)	Hg Results (mg/L)			
12688	N/A	GWFT-2R	<0.005	0.050	<0.005	<0.010	<0.010	<0.040	<0.005	<0.020	<0.0002			
12689	N/A	MW-6	<0.005	0.066	<0.005	<0.010	<0.010	<0.040	<0.005	<0.020	<0.0002			
12690	N/A	MW-5	<0.005	0.063	<0.005	<0.010	<0.010	<0.040	<0.005	<0.020	<0.0002			
12691	N/A	GWFT-1	0.007	0.082	<0.005	<0.010	0.012	<0.040	<0.005	<0.020	<0.0002			
12692	N/A	MW-3	<0.005	<0.020	<0.005	<0.005	<0.010	<0.040	<0.005	<0.020	<0.0002			
12693	N/A	MW-4	<0.005	0.023	<0.005	<0.005	<0.010	0.124	<0.005	<0.020	<0.0002			

ELAP ID No.: 10958

Comments:

Approved By: 

Bruce Hoogesteger, Technical Director

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-8311

PROJECT NAME/SITE NAME:
**FN050130
FT Darrigo**

REPORT TO:

INVOICE TO:

Per H. Ting email
to JD 9/24/10

COMPANY: Conrad Geoscience		COMPANY: STATE FT Darrigo		LAB PROJECT #: 10-3915		CLIENT PROJECT #: FN050130	
ADDRESS: 2 Air Center Plaza Sct 801		ADDRESS: STATE FT Darrigo		TURNAROUND TIME: (WORKING DAYS)			
CITY: Polk	STATE: NY	ZIP: 12001	CITY: Polk	STATE: NY	ZIP: 12001		
PHONE: 845-454-2544	FAX: 845-454-2544	PHONE: 845-454-2544	FAX: 845-454-2544				
ATTN: Mr. H. Tumbach	ATTN: Tea Alvarado						
COMMENTS: Please return cooler				REQUESTED ANALYSIS:			
				☐ 1 ☐ 2 ☐ 3 ☐ 5 ☐ 10 QUOTE #:			

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATERIALS	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	9/23/10	1250	X	CWFT-2R	W	↓	Cu, Pb, Ni, Zn, Cd, Ba, As, Hg, Cr → Arsenic from M. Tumbach to J. David EAH 9/24/10	1 26 8 8
2	1310			MW-6				1 26 8 9
3	1430			MW-5				1 26 9 0
4	1420			CWFT-1				1 26 9 1
5	1500			MW-3				1 26 9 2
6	1535			MW-4				1 26 9 3
7								
8								
9								
10								

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/EIAP 210/241/242/243/244

Receipt Parameter		NELAC Compliance	
Container Type:	☒ Y ☐ N		
Preservation:	☒ Y ☐ N		
Holding Time:	☒ Y ☐ N		
Temperature:	☒ 10°C ☐ N		
Comments:	b/c for metals only		

Received By:	Date/Time:	Total Cost:
<i>[Signature]</i>	9/23/10 1554	
Relinquished By:	Date/Time:	
<i>[Signature]</i>	9/23/10 1700	
Received @ Lab By:	Date/Time:	P.I.F.
<i>[Signature]</i>	9/24/10 1625	



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 10-5008

Issued December 17, 2010

This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

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"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

LAB REPORT FOR METALS ANALYSIS IN WATERS

Client: Conrad

Lab Project No.: 10-5008

Client Job Site: F&T Darrigo - Newburgh

Sample Type: Water

Method: SW 846: 6010,7470

Client Job No.: FN050130

Date(s) Sampled: 12/08/2010

Date Received: 12/09/2010

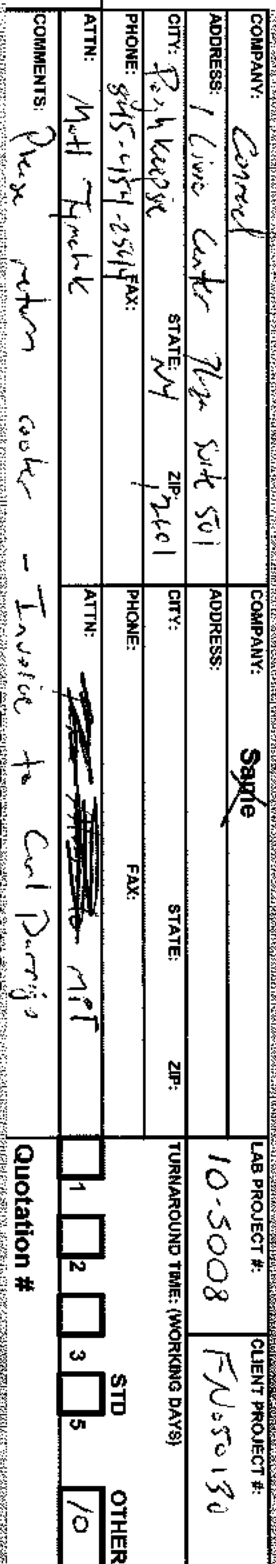
Date Analyzed: 12/13-16/2010

Lab Sample No.	Field ID No.	Field Location	As Results (mg/L)	Ba Results (mg/L)	Cd Results (mg/L)	Cr Results (mg/L)	Cu Results (mg/L)	Hg Results (mg/L)	Ni Results (mg/L)	Pb Results (mg/L)	Zn Results (mg/L)			
15733	N/A	GW FT-2R	<0.005	0.053	<0.005	<0.010	<0.010	<0.0002	<0.040	<0.005	<0.020			
15734	N/A	MW-6	<0.005	0.062	<0.005	<0.010	<0.010	<0.0002	<0.040	<0.005	<0.020			
15735	N/A	MW-5	<0.005	0.057	<0.005	<0.010	<0.010	<0.0002	<0.040	<0.005	<0.020			
15736	N/A	MW-4	<0.005	<0.020	<0.005	<0.010	<0.010	<0.0002	<0.040	<0.005	<0.020			
15737	N/A	MW-3	<0.005	<0.020	<0.005	<0.010	<0.010	<0.0002	<0.040	<0.005	<0.020			

ELAP ID No.: 10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director



REPORT TO:		INVOICE TO:	
COMPANY:	Conrad	COMPANY:	Sale
ADDRESS:	1 Lime Center Plaza Suite 501	ADDRESS:	
CITY:	Roshamore	CITY:	
STATE:	NY	STATE:	
ZIP:	1201	ZIP:	
PHONE:	845-484-2544	PHONE:	
FAX:		FAX:	
ATTN:	Math Tyndale	ATTN:	~~Math Tyndale~~ MPT
COMMENTS:	Please return order - Invoice to Carl Dario's		
REQUESTED ANALYSIS		LAB PROJECT #:	CLIENT PROJECT #:
		10-5008	FN050130
		TURNAROUND TIME: (WORKING DAYS)	
		☐ 1 ☐ 2 ☐ 3 ☐ 5 STD	☐ 10 OTHER
		Quotation #	

[illegible]

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance

Receipt Parameter	NELAC Compliance	
Container Type: _____	Y ☒	N ☐
Comments: _____		
Preservation: _____	Y ☒	N ☐
Comments: _____		
Holding Time: _____	Y ☒	N ☐
Comments: _____		
Temperature: _____	Y ☐	N ☐
Comments: _____		

60°Ciced

AlA bic Formetals only

Total Cost:

P.L.F.

Sampled By	<i>[Signature]</i>	Date/Time	<i>12/8/12 1700</i>
Relinquished By	<i>[Signature]</i>	Date/Time	
Received By	<i>Elizabeth A. Honea</i>	Date/Time	<i>12/9/10 1650</i>
Received @ Lab By		Date/Time	



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad Geoscience

For Lab Project # 11-1181

Issued April 5, 2011

This report contains a total of 3 pages

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

LAB REPORT FOR METALS ANALYSIS IN WATERS

Client: Conrad Geoscience

Lab Project No.: 11-1181

Client Job Site: F&T Darrigo

Sample Type: Water

Method: SW 846: 6010,7470

Client Job No.: FN050130

Date(s) Sampled: 03/29/2011

Date Received: 03/30/2011

Date Analyzed: 04/01/2011

Lab Sample No.	Field ID No.	Field Location	As Results (mg/L)	Ba Results (mg/L)	Cd Results (mg/L)	Cr Results (mg/L)	Cu Results (mg/L)	Ni Results (mg/L)	Pb Results (mg/L)	Zn Results (mg/L)	Hg Results (mg/L)			
4204	N/A	GWFT-1	<0.010	<0.100	<0.005	<0.010	<0.025	<0.040	<0.010	<0.060	<0.0002			
4205	N/A	GWFT-2	<0.010	<0.100	<0.005	<0.010	<0.025	<0.040	<0.010	<0.060	<0.0002			
4206	N/A	MW-6	<0.010	<0.100	<0.005	<0.010	<0.025	<0.040	<0.010	<0.060	<0.0002			
4207	N/A	MW-5	<0.010	<0.100	<0.005	<0.010	<0.025	<0.040	<0.010	<0.060	<0.0002			
4208	N/A	MW-4	<0.010	<0.100	<0.005	<0.010	<0.025	<0.040	<0.010	<0.060	<0.0002			
4209	N/A	MW-3	<0.010	<0.100	<0.005	<0.010	<0.025	<0.040	<0.010	<0.060	<0.0002			
4210	N/A	Decon Water Drum	<0.010	<0.100	<0.005	0.015 D	0.035	<0.040	<0.010	<0.060	<0.0002			

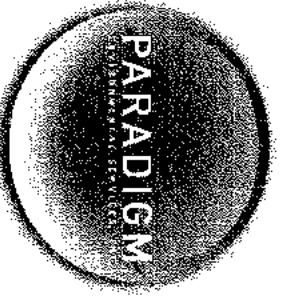
ELAP ID No.: 10958

Comments:

Approved By:


Bruce Hoogesteger, Technical Director

CHAIN OF CUSTODY



REPORT TO:

INVOICE TO:

PROJECT NAME/SITE NAME:

Felt Darrigo

COMPANY: <u>Conrad Coors Inc</u>		COMPANY: <u>Same</u>		LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: <u>One Civic Center Plaza, Suite 501</u>		ADDRESS:		11-1181	IN050130
CITY: <u>Waukegan, IL</u>	STATE: <u>IL</u>	CITY:	STATE:	TURNAROUND TIME: (WORKING DAYS)	
ZIP: <u>60087</u>		ZIP:			
PHONE: <u>845-454-2344</u>	FAX: <u>-7655</u>	PHONE:	FAX:		
ATTN: <u>Stephane LaRose</u>		ATTN:			
COMMENTS: <u>Please return cooler</u>				Quotation # ☐ 1 ☐ 2 ☐ 3 ☒ 5	
				\$TD ☐ OTHER ☐	

REQUESTED ANALYSIS

DATE	TIME	COMPOSITION	GRADE	SAMPLE LOCATION/FIELD ID	MATERIAL	COUNTS	ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
12/29/11	1035		X	GUFT-1	GU	X	Co, Pb, Ni		4204
2	1047			GUFT-2		X	Zn, Cd, Ba		4205
3	1125			MW-6		X	As, Hg, Cr		4206
4	1123			MW-5		X			4207
5	1308			MW-4		X			4208
6	1319			MW-3		X			4209
7	1386			Decon water drum		X			4210
8									
9									
10									

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210241/242/243/244

Receipt Parameter

NELAC Compliance

Container Type:

Y ☒ N ☐

Comments:

Preservation:

Y ☒ N ☐

Comments:

Holding Time:

Y ☒ N ☐

Comments:

Temperature:

Y ☐ N ☐

Comments:

6°C cooled - for metals only
11/10/11 22:04 3/30

Received By

Date/Time

P.I.F.

Sampled By

Date/Time

Total Cost:

Relinquished By

Date/Time

Received @ Lab By

Date/Time

Elizabeth A Honick 3/30/11 10:20



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad

For Lab Project # 11-2588

Issued July 1, 2011

This report contains a total of 3 pages

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"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

LAB REPORT FOR METALS ANALYSIS IN WATERS

Client: Conrad

Lab Project No.: 11-2588

Client Job Site: F&T Darrigo- Newburgh

Sample Type: Water
Method: EPA 200.7

Client Job No.: FN050130

Date(s) Sampled: 06/23/2011

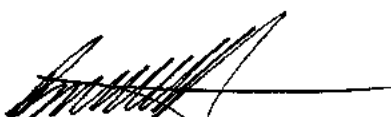
Date Received: 06/24/2011

Date Analyzed: 06/28/2011

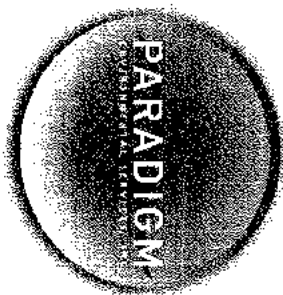
Lab Sample No.	Field ID No.	Field Location	As Results (mg/L)	Ba Results (mg/L)	Cd Results (mg/L)	Cr Results (mg/L)	Cu Results (mg/L)	Mg Results (mg/L)	Ni Results (mg/L)	Pb Results (mg/L)	Zn Results (mg/L)		
8565	N/A	GWFT-2R	<0.010	<0.100	<0.005	<0.010	<0.025	17.5	<0.040	<0.010	<0.060		
8566	N/A	GWFT-1	<0.010	<0.100	<0.005	<0.010	<0.025	9.31	<0.040	<0.010	<0.060		
8567	N/A	MW-6	<0.010	<0.100	<0.005	<0.010	<0.025	20.8	<0.040	<0.010	<0.060		
8568	N/A	MW-4	<0.010	<0.100	<0.005	<0.010	<0.025	3.08	<0.040	<0.010	<0.060		
8569	N/A	MW-5	<0.010	<0.100	<0.005	<0.010	<0.025	20.9	<0.040	<0.010	<0.060		
8570	N/A	MW-3	<0.010	<0.100	<0.005	<0.010	<0.025	2.86	<0.040	<0.010	<0.060		

ELAP ID No.: 10958

Comments:


Bruce Hoogesteger, Technical Director

CHAIN OF CUSTODY



REPORT TO:

INVOICE TO:

PROJECT NAME/SITE NAME:

For Dump - Newburgh

COMPANY: <i>Conrad</i>		COMPANY: <i>Same</i>		LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: <i>2 Civic Center Plaza</i>		ADDRESS:		<i>112588</i>	<i>EN05130</i>
CITY: <i>Danbury</i>	STATE: <i>NY</i>	CITY:	STATE:	TURNAROUND TIME: (WORKING DAYS)	
ZIP: <i>12601</i>	ZIP:	PHONE:	FAX:		
ATTN: <i>Matt Tyndale</i>	ATTN: <i>Tom Alameda</i>	STANDARD OTHER			
COMMENTS: <i>Return cooler</i>		Quotation #			

REQUESTED ANALYSIS

DATE	TIME	COMPOSITION	GRADES	SAMPLE LOCATION/FIELD ID	ANALYSIS	CONCENTRATION	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	6/24/11	925	X	SWIFT-26	1	X	Cu, Pb, Ni, Zn, Cd, Bi, Ag, Hg, Cr	8565
2	1030	930		SWIFT-1	1	X		8566
3	1042	942		MW-6	1	X		8567
4	1100	950		MW-4	1	X		8568
5	1105	955		MW-5	1	X		8569
6	1115	965		MW-3	1	X		8570
7								
8								
9								
10								

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/EIAP 210/241/242/243/244

Receipt Parameter		NELAC Compliance	
Container Type:	☒ Y ☐ N		
Preservation:	☒ Y ☐ N		
Holding Time:	☒ Y ☐ N		
Temperature:	☒ Y ☐ N		
Comments: <i>10°C,iced</i>			
Comments: <i>WIB big for metals only</i>			

Sampled By: <i>[Signature]</i>	Date/Time: <i>6/23/11 11:15</i>	Total Cost:
Relinquished By: <i>[Signature]</i>	Date/Time: <i>6/23/11 17:00</i>	
Received By: <i>Elizabeth A. Hancock</i>	Date/Time: <i>6/24/11 14:30</i>	P.L.F. ☐
Received @ Lab By:	Date/Time:	



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Conrad

For Lab Project # 11-5629

Issued January 9, 2012

This report contains a total of 8 pages

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"Z" = See case narrative.

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"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

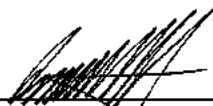
Client: Conrad
Client Job Site: F&T - Newburgh
Client Job No.: 160556
Field Location: C-WFT-2R
Field ID No.: N/A

Lab Project No.: 11-5629
Lab Sample No.: 18415
Sample Type: Water
Date Sampled: 12/29/2011
Date Received: 12/30/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	01/04/2012	SW846 3005/6010	< 0.200
Antimony	01/04/2012	SW846 3005/6010	< 0.060
Arsenic	01/04/2012	SW846 3005/6010	< 0.010
Barium	01/04/2012	SW846 3005/6010	< 0.100
Beryllium	01/04/2012	SW846 3005/6010	< 0.005
Cadmium	01/04/2012	SW846 3005/6010	< 0.005
Calcium	01/04/2012	SW846 3005/6010	99.1
Chromium	01/04/2012	SW846 3005/6010	< 0.010
Cobalt	01/04/2012	SW846 3005/6010	< 0.050
Copper	01/04/2012	SW846 3005/6010	< 0.025
Iron	01/04/2012	SW846 3005/6010	< 0.100
Lead	01/04/2012	SW846 3005/6010	< 0.010
Magnesium	01/04/2012	SW846 3005/6010	17.3
Manganese	01/04/2012	SW846 3005/6010	0.027
Mercury	01/04/2012	SW846 7470	< 0.0002
Nickel	01/04/2012	SW846 3005/6010	< 0.040
Potassium	01/04/2012	SW846 3005/6010	2.68
Selenium	01/04/2012	SW846 3005/6010	< 0.010
Silver	01/04/2012	SW846 3005/6010	< 0.010
Sodium	01/04/2012	SW846 3005/6010	14.0
Thallium	01/04/2012	SW846 3005/6010	< 0.025
Vanadium	01/04/2012	SW846 3005/6010	< 0.025
Zinc	01/04/2012	SW846 3005/6010	< 0.060

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: Conrad

Lab Project No.: 11-5629

Client Job Site: F&T - Newburgh

Lab Sample No.: 18416

Client Job No.: 160556

Sample Type: Water

Field Location: C-WFT-1

Date Sampled: 12/29/2011

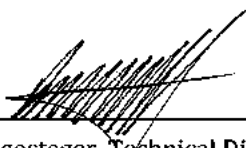
Field ID No.: N/A

Date Received: 12/30/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	01/04/2012	SW846 3005/6010	< 0.200
Antimony	01/04/2012	SW846 3005/6010	< 0.060
Arsenic	01/04/2012	SW846 3005/6010	< 0.010
Barium	01/04/2012	SW846 3005/6010	< 0.100
Beryllium	01/04/2012	SW846 3005/6010	< 0.005
Cadmium	01/04/2012	SW846 3005/6010	< 0.005
Calcium	01/04/2012	SW846 3005/6010	44.0
Chromium	01/04/2012	SW846 3005/6010	< 0.010
Cobalt	01/04/2012	SW846 3005/6010	< 0.050
Copper	01/04/2012	SW846 3005/6010	< 0.025
Iron	01/04/2012	SW846 3005/6010	0.711
Lead	01/04/2012	SW846 3005/6010	< 0.010
Magnesium	01/04/2012	SW846 3005/6010	3.86
Manganese	01/04/2012	SW846 3005/6010	0.867
Mercury	01/04/2012	SW846 7470	< 0.0002
Nickel	01/04/2012	SW846 3005/6010	< 0.040
Potassium	01/04/2012	SW846 3005/6010	< 2.50
Selenium	01/04/2012	SW846 3005/6010	< 0.010
Silver	01/04/2012	SW846 3005/6010	< 0.010
Sodium	01/04/2012	SW846 3005/6010	6.80
Thallium	01/04/2012	SW846 3005/6010	< 0.025
Vanadium	01/04/2012	SW846 3005/6010	< 0.025
Zinc	01/04/2012	SW846 3005/6010	< 0.060

ELAP ID No.: 10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

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179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: Conrad

Lab Project No.: 11-5629

Client Job Site: F&T - Newburgh

Lab Sample No.: 18417

Client Job No.: 160556

Sample Type: Water

Field Location: MW-6

Date Sampled: 12/29/2011

Field ID No.: N/A

Date Received: 12/30/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	01/04/2012	SW846 3005/6010	< 0.200
Antimony	01/04/2012	SW846 3005/6010	< 0.060
Arsenic	01/04/2012	SW846 3005/6010	< 0.010
Barium	01/04/2012	SW846 3005/6010	< 0.100
Beryllium	01/04/2012	SW846 3005/6010	< 0.005
Cadmium	01/04/2012	SW846 3005/6010	< 0.005
Calcium	01/04/2012	SW846 3005/6010	73.7
Chromium	01/04/2012	SW846 3005/6010	< 0.010
Cobalt	01/04/2012	SW846 3005/6010	< 0.050
Copper	01/04/2012	SW846 3005/6010	< 0.025
Iron	01/04/2012	SW846 3005/6010	< 0.100
Lead	01/04/2012	SW846 3005/6010	< 0.010
Magnesium	01/04/2012	SW846 3005/6010	19.9
Manganese	01/04/2012	SW846 3005/6010	0.085
Mercury	01/04/2012	SW846 7470	< 0.0002
Nickel	01/04/2012	SW846 3005/6010	< 0.040
Potassium	01/04/2012	SW846 3005/6010	3.64
Selenium	01/04/2012	SW846 3005/6010	< 0.010
Silver	01/04/2012	SW846 3005/6010	< 0.010
Sodium	01/04/2012	SW846 3005/6010	12.1
Thallium	01/04/2012	SW846 3005/6010	< 0.025
Vanadium	01/04/2012	SW846 3005/6010	< 0.025
Zinc	01/04/2012	SW846 3005/6010	< 0.060

ELAP ID No.:10958

Comments:

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179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: Conrad

Lab Project No.: 11-5629

Client Job Site: F&T - Newburgh

Lab Sample No.: 18418

Client Job No.: 160556

Sample Type: Water

Field Location: MW-5

Date Sampled: 12/29/2011

Field ID No.: N/A

Date Received: 12/30/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	01/04/2012	SW846 3005/6010	< 0.200
Antimony	01/04/2012	SW846 3005/6010	< 0.060
Arsenic	01/04/2012	SW846 3005/6010	< 0.010
Barium	01/04/2012	SW846 3005/6010	< 0.100
Beryllium*	01/04/2012	SW846 3005/6010	< 0.005
Cadmium	01/04/2012	SW846 3005/6010	< 0.005
Calcium	01/04/2012	SW846 3005/6010	65.5
Chromium	01/04/2012	SW846 3005/6010	< 0.010
Cobalt	01/04/2012	SW846 3005/6010	< 0.050
Copper	01/04/2012	SW846 3005/6010	< 0.025
Iron	01/04/2012	SW846 3005/6010	< 0.100
Lead	01/04/2012	SW846 3005/6010	< 0.010
Magnesium	01/04/2012	SW846 3005/6010	19.8
Manganese	01/04/2012	SW846 3005/6010	0.045
Mercury	01/04/2012	SW846 7470	< 0.0002
Nickel	01/04/2012	SW846 3005/6010	< 0.040
Potassium	01/04/2012	SW846 3005/6010	2.98
Selenium	01/04/2012	SW846 3005/6010	< 0.010
Silver	01/04/2012	SW846 3005/6010	< 0.010
Sodium	01/04/2012	SW846 3005/6010	24.9
Thallium	01/04/2012	SW846 3005/6010	< 0.025
Vanadium	01/04/2012	SW846 3005/6010	< 0.025
Zinc	01/04/2012	SW846 3005/6010	< 0.060

ELAP ID No.: 10958

Comments:

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179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: Conrad

Lab Project No.: 11-5629

Client Job Site: F&T - Newburgh

Lab Sample No.: 18419

Client Job No.: 160556

Sample Type: Water

Field Location: MW-3

Date Sampled: 12/29/2011

Field ID No.: N/A

Date Received: 12/30/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	01/04/2012	SW846 3005/6010	< 0.200
Antimony	01/04/2012	SW846 3005/6010	< 0.060
Arsenic	01/04/2012	SW846 3005/6010	< 0.010
Barium	01/04/2012	SW846 3005/6010	< 0.100
Beryllium	01/04/2012	SW846 3005/6010	< 0.005
Cadmium	01/04/2012	SW846 3005/6010	< 0.005
Calcium	01/04/2012	SW846 3005/6010	18.4
Chromium	01/04/2012	SW846 3005/6010	< 0.010
Cobalt	01/04/2012	SW846 3005/6010	< 0.050
Copper	01/04/2012	SW846 3005/6010	< 0.025
Iron	01/04/2012	SW846 3005/6010	< 0.100
Lead	01/04/2012	SW846 3005/6010	< 0.010
Magnesium	01/04/2012	SW846 3005/6010	3.16
Manganese	01/04/2012	SW846 3005/6010	< 0.015
Mercury	01/04/2012	SW846 7470	< 0.0002
Nickel	01/04/2012	SW846 3005/6010	< 0.040
Potassium	01/04/2012	SW846 3005/6010	< 2.50
Selenium	01/04/2012	SW846 3005/6010	< 0.010
Silver	01/04/2012	SW846 3005/6010	< 0.010
Sodium	01/04/2012	SW846 3005/6010	4.04
Thallium	01/04/2012	SW846 3005/6010	< 0.025
Vanadium	01/04/2012	SW846 3005/6010	< 0.025
Zinc	01/04/2012	SW846 3005/6010	< 0.060

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

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179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: Conrad

Lab Project No.: 11-5629

Client Job Site: F&T - Newburgh

Lab Sample No.: 18420

Client Job No.: 160556

Sample Type: Water

Field Location: MW-4

Date Sampled: 12/29/2011

Field ID No.: N/A

Date Received: 12/30/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	01/04/2012	SW846 3005/6010	< 0.200
Antimony	01/04/2012	SW846 3005/6010	< 0.060
Arsenic	01/04/2012	SW846 3005/6010	< 0.010
Barium	01/04/2012	SW846 3005/6010	< 0.100
Beryllium	01/04/2012	SW846 3005/6010	< 0.005
Cadmium	01/04/2012	SW846 3005/6010	< 0.005
Calcium	01/04/2012	SW846 3005/6010	25.5
Chromium	01/04/2012	SW846 3005/6010	< 0.010
Cobalt	01/04/2012	SW846 3005/6010	< 0.050
Copper	01/04/2012	SW846 3005/6010	< 0.025
Iron	01/04/2012	SW846 3005/6010	< 0.100
Lead	01/04/2012	SW846 3005/6010	< 0.010
Magnesium	01/04/2012	SW846 3005/6010	3.59
Manganese	01/04/2012	SW846 3005/6010	0.024
Mercury	01/04/2012	SW846 7470	< 0.0002
Nickel	01/04/2012	SW846 3005/6010	< 0.040
Potassium	01/04/2012	SW846 3005/6010	< 2.50
Selenium	01/04/2012	SW846 3005/6010	< 0.010
Silver	01/04/2012	SW846 3005/6010	< 0.010
Sodium	01/04/2012	SW846 3005/6010	5.53
Thallium	01/04/2012	SW846 3005/6010	< 0.025
Vanadium	01/04/2012	SW846 3005/6010	< 0.025
Zinc	01/04/2012	SW846 3005/6010	< 0.060

ELAP ID No.: 10958

Comments:

Approved By: 

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CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

REPORT TO:

INVOICE TO:

PROJECT NAME/SITE NAME:
F + T - Newburgh

COMPANY: <u>Conrad</u>		COMPANY: <u>SAME</u>		LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: <u>2 Coile Center Plaza Suite 501</u>		ADDRESS:		<u>11-5629</u>	<u>160556</u>
CITY: <u>Elizabethtown</u>	STATE: <u>NY</u>	CITY:	STATE:	TURNAROUND TIME (WORKING DAYS)	
ZIP: <u>12201</u>	ZIP:				
PHONE: <u>845-454-2544</u>	FAX:	PHONE:	FAX:		
ATTN: <u>Matt Tymoczko</u>	ATTN:	REQUESTED ANALYSIS			
COMMENTS: <u>Please Return Cooler</u>		<u>As, Ba, Cd</u> <u>Cr, Cu, Ni</u> <u>Pb, Zn, Hg</u> <u>TAL Metals</u>			
		QUOTE #:			
		☐ 1 ☐ 2 ☐ 3 ☒ 4 ☐ 5			
		STD OTHER			

DATE	TIME	C O M P O S I T E	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N A T I O N S	REMARKS	PARADIGM LAB SAMPLE NUMBER
1/2/24/11	16:5		X	2nd ST-206	W			18415
2/2/25				COAST-1				18416
3/11/05				MV-6				18417
4/12/05				MV-5				18418
5/14/05				MV-3				18419
6/14/05				MV-4				18420
7/14/05								
8/14/05								
9/14/05								
10/14/05								

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter		NELAC Compliance	
Container Type:	☒ Y ☐ N		
Preservation:	☒ Y ☐ N		
Holding Time:	☒ Y ☐ N		
Temperature:	<u>4°C</u> ☒ Y ☐ N		

Received By	Date/Time	PLF
<u>Emily Farmer</u>	<u>12/30/11 10:05</u>	
Relinquished By	Date/Time	
<u>[Signature]</u>	<u>12/29/11 17:00</u>	
Received By	Date/Time	
<u>[Signature]</u>	<u>12/29/11 17:00</u>	



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

PVE Sheffler

For Lab Project # 12:2797

Issued July 11, 2012

This report contains a total of 9 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report or are noted below.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"<" = analyzed for but not detected at or above the reporting limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: **PVE Sheffler**

Lab Project No.: 12:2797

Client Job Site: F&T Darrigo, Newburgh

Lab Sample No.: 12:2797-01

Client Job No.: 160556

Sample Type: Water

Field Location: GWFT-2R

Date Sampled: 06/29/2012

Field ID No.: N/A

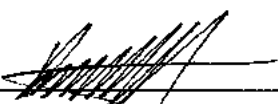
Date Received: 07/03/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	07/06/2012	SW846 3005/6010	< 0.200
Antimony	07/06/2012	SW846 3005/6010	< 0.060
Arsenic	07/06/2012	SW846 3005/6010	< 0.010
Barium	07/06/2012	SW846 3005/6010	< 0.100
Beryllium	07/06/2012	SW846 3005/6010	< 0.005
Cadmium	07/06/2012	SW846 3005/6010	< 0.005
Calcium	07/06/2012	SW846 3005/6010	95.1
Chromium	07/06/2012	SW846 3005/6010	< 0.010
Cobalt	07/06/2012	SW846 3005/6010	< 0.050
Copper	07/06/2012	SW846 3005/6010	< 0.025
Iron	07/06/2012	SW846 3005/6010	< 0.100
Lead	07/09/2012	SW846 3005/6010	< 0.010
Magnesium	07/06/2012	SW846 3005/6010	17.6
Manganese	07/06/2012	SW846 3005/6010	0.017
Mercury	07/06/2012	SW846 7470	< 0.0002
Nickel	07/06/2012	SW846 3005/6010	< 0.040
Potassium	07/06/2012	SW846 3005/6010	< 2.50
Selenium	07/06/2012	SW846 3005/6010	< 0.010
Silver	07/06/2012	SW846 3005/6010	< 0.010
Sodium	07/09/2012	SW846 3005/6010	10.2
Thallium	07/06/2012	SW846 3005/6010	< 0.025
Vanadium	07/06/2012	SW846 3005/6010	< 0.025
Zinc	07/06/2012	SW846 3005/6010	< 0.060

ELAP ID No.:10958

Comments:

Approved By:


Bruce Hoogesteger, Technical Director

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179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: PVE Sheffler
Client Job Site: F&T Darrigo, Newburgh
Client Job No.: 160556
Field Location: GWFT-1
Field ID No.: N/A

Lab Project No.: 12:2797
Lab Sample No.: 12:2797-02
Sample Type: Water
Date Sampled: 06/29/2012
Date Received: 07/03/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	07/06/2012	SW846 3005/6010	< 0.200
Antimony	07/06/2012	SW846 3005/6010	< 0.060
Arsenic	07/06/2012	SW846 3005/6010	< 0.010
Barium	07/06/2012	SW846 3005/6010	< 0.100
Beryllium	07/06/2012	SW846 3005/6010	< 0.005
Cadmium	07/06/2012	SW846 3005/6010	< 0.005
Calcium	07/06/2012	SW846 3005/6010	117
Chromium	07/06/2012	SW846 3005/6010	< 0.010
Cobalt	07/06/2012	SW846 3005/6010	< 0.050
Copper	07/06/2012	SW846 3005/6010	< 0.025
Iron	07/06/2012	SW846 3005/6010	6.17
Lead	07/09/2012	SW846 3005/6010	< 0.010
Magnesium	07/06/2012	SW846 3005/6010	9.20
Manganese	07/06/2012	SW846 3005/6010	3.17
Mercury	07/06/2012	SW846 7470	< 0.0002
Nickel	07/06/2012	SW846 3005/6010	< 0.040
Potassium	07/06/2012	SW846 3005/6010	< 2.50
Selenium	07/06/2012	SW846 3005/6010	< 0.010
Silver	07/06/2012	SW846 3005/6010	< 0.010
Sodium	07/09/2012	SW846 3005/6010	6.52
Thallium	07/06/2012	SW846 3005/6010	< 0.025
Vanadium	07/06/2012	SW846 3005/6010	< 0.025
Zinc	07/06/2012	SW846 3005/6010	< 0.060

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179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: PVE Sheffler

Lab Project No.: 12:2797

Client Job Site: F&T Darrigo, Newburgh

Lab Sample No.: 12:2797-03

Client Job No.: 160556

Sample Type: Water

Field Location: MW-4

Date Sampled: 06/29/2012

Field ID No.: N/A

Date Received: 07/03/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	07/06/2012	SW846 3005/6010	< 0.200
Antimony	07/06/2012	SW846 3005/6010	< 0.060
Arsenic	07/06/2012	SW846 3005/6010	< 0.010
Barium	07/06/2012	SW846 3005/6010	< 0.100
Beryllium	07/06/2012	SW846 3005/6010	< 0.005
Cadmium	07/06/2012	SW846 3005/6010	< 0.005
Calcium	07/06/2012	SW846 3005/6010	83.3
Chromium	07/06/2012	SW846 3005/6010	< 0.010
Cobalt	07/06/2012	SW846 3005/6010	< 0.050
Copper	07/06/2012	SW846 3005/6010	< 0.025
Iron	07/06/2012	SW846 3005/6010	< 0.100
Lead	07/09/2012	SW846 3005/6010	< 0.010
Magnesium	07/06/2012	SW846 3005/6010	7.42
Manganese	07/06/2012	SW846 3005/6010	< 0.015
Mercury	07/06/2012	SW846 7470	< 0.0002
Nickel	07/06/2012	SW846 3005/6010	< 0.040
Potassium	07/06/2012	SW846 3005/6010	< 2.50
Selenium	07/06/2012	SW846 3005/6010	< 0.010
Silver	07/06/2012	SW846 3005/6010	< 0.010
Sodium	07/09/2012	SW846 3005/6010	4.64
Thallium	07/06/2012	SW846 3005/6010	< 0.025
Vanadium	07/06/2012	SW846 3005/6010	< 0.025
Zinc	07/06/2012	SW846 3005/6010	< 0.060

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: PVE Sheffler

Lab Project No.: 12:2797

Client Job Site: F&T Darrigo, Newburgh

Lab Sample No.: 12:2797-04

Client Job No.: 160556

Sample Type: Water

Field Location: MW-3

Date Sampled: 06/29/2012

Field ID No.: N/A

Date Received: 07/03/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	07/06/2012	SW846 3005/6010	< 0.200
Antimony	07/06/2012	SW846 3005/6010	< 0.060
Arsenic	07/06/2012	SW846 3005/6010	< 0.010
Barium	07/06/2012	SW846 3005/6010	< 0.100
Beryllium	07/06/2012	SW846 3005/6010	< 0.005
Cadmium	07/06/2012	SW846 3005/6010	< 0.005
Calcium	07/06/2012	SW846 3005/6010	46.7
Chromium	07/06/2012	SW846 3005/6010	< 0.010
Cobalt	07/06/2012	SW846 3005/6010	< 0.050
Copper	07/06/2012	SW846 3005/6010	< 0.025
Iron	07/06/2012	SW846 3005/6010	< 0.100
Lead	07/09/2012	SW846 3005/6010	< 0.010
Magnesium	07/06/2012	SW846 3005/6010	5.94
Manganese	07/06/2012	SW846 3005/6010	0.067
Mercury	07/06/2012	SW846 7470	< 0.0002
Nickel	07/06/2012	SW846 3005/6010	< 0.040
Potassium	07/06/2012	SW846 3005/6010	< 2.50
Selenium	07/06/2012	SW846 3005/6010	< 0.010
Silver	07/06/2012	SW846 3005/6010	< 0.010
Sodium	07/09/2012	SW846 3005/6010	7.15
Thallium	07/06/2012	SW846 3005/6010	< 0.025
Vanadium	07/06/2012	SW846 3005/6010	< 0.025
Zinc	07/06/2012	SW846 3005/6010	< 0.060

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

File ID:12-2797



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LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: PVE Sheffler

Lab Project No.: 12:2797

Client Job Site: F&T Darrigo, Newburgh

Lab Sample No.: 12:2797-05

Client Job No.: 160556

Sample Type: Water

Field Location: MW-6

Date Sampled: 06/29/2012

Field ID No.: N/A

Date Received: 07/03/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	07/06/2012	SW846 3005/6010	< 0.200
Antimony	07/06/2012	SW846 3005/6010	< 0.060
Arsenic	07/06/2012	SW846 3005/6010	< 0.010
Barium	07/06/2012	SW846 3005/6010	< 0.100
Beryllium	07/06/2012	SW846 3005/6010	< 0.005
Cadmium	07/06/2012	SW846 3005/6010	< 0.005
Calcium	07/06/2012	SW846 3005/6010	80.5
Chromium	07/06/2012	SW846 3005/6010	< 0.010
Cobalt	07/06/2012	SW846 3005/6010	< 0.050
Copper	07/06/2012	SW846 3005/6010	< 0.025
Iron	07/06/2012	SW846 3005/6010	< 0.100
Lead	07/09/2012	SW846 3005/6010	< 0.010
Magnesium	07/06/2012	SW846 3005/6010	20.5
Manganese	07/06/2012	SW846 3005/6010	0.202
Mercury	07/06/2012	SW846 7470	< 0.0002
Nickel	07/06/2012	SW846 3005/6010	< 0.040
Potassium	07/06/2012	SW846 3005/6010	3.25
Selenium	07/06/2012	SW846 3005/6010	< 0.010
Silver	07/06/2012	SW846 3005/6010	< 0.010
Sodium	07/09/2012	SW846 3005/6010	12.0
Thallium	07/06/2012	SW846 3005/6010	< 0.025
Vanadium	07/06/2012	SW846 3005/6010	< 0.025
Zinc	07/06/2012	SW846 3005/6010	< 0.060

ELAP ID No.:10958

Comments:

Approved By: _____

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File ID:12-2797



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ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TAL METALS ANALYSIS IN WATERS

Client: **PVE Sheffler**

Lab Project No.: 12:2797

Client Job Site: F&T Darrigo, Newburgh

Lab Sample No.: 12:2797-06

Client Job No.: 160556

Sample Type: Water

Field Location: MW-5

Date Sampled: 06/29/2012

Field ID No.: N/A

Date Received: 07/03/2012

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Aluminum	07/06/2012	SW846 3005/6010	< 0.200
Antimony	07/06/2012	SW846 3005/6010	< 0.060
Arsenic	07/06/2012	SW846 3005/6010	< 0.010
Barium	07/06/2012	SW846 3005/6010	< 0.100
Beryllium	07/06/2012	SW846 3005/6010	< 0.005
Cadmium	07/06/2012	SW846 3005/6010	< 0.005
Calcium	07/06/2012	SW846 3005/6010	64.6
Chromium	07/06/2012	SW846 3005/6010	< 0.010
Cobalt	07/06/2012	SW846 3005/6010	< 0.050
Copper	07/06/2012	SW846 3005/6010	< 0.025
Iron	07/06/2012	SW846 3005/6010	< 0.100
Lead	07/09/2012	SW846 3005/6010	< 0.010
Magnesium	07/06/2012	SW846 3005/6010	19.9
Manganese	07/06/2012	SW846 3005/6010	0.203
Mercury	07/06/2012	SW846 7470	< 0.0002
Nickel	07/06/2012	SW846 3005/6010	< 0.040
Potassium	07/06/2012	SW846 3005/6010	< 2.50
Selenium	07/06/2012	SW846 3005/6010	< 0.010
Silver	07/06/2012	SW846 3005/6010	< 0.010
Sodium	07/09/2012	SW846 3005/6010	23.9
Thallium	07/06/2012	SW846 3005/6010	< 0.025
Vanadium	07/06/2012	SW846 3005/6010	< 0.025
Zinc	07/06/2012	SW846 3005/6010	< 0.060

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

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File ID:12-2797

24

INVOICE TO:

CLIENT PROJECT #	16056
(WORKING DAYS)	

 5

1

1

PARADIGM LAB		SAMPLE NUMBER	
00	1		
00	2		
00	3		
00	4		
00	5		
00	6		

100

100

10

~~Sampled By~~

~~Official Use Only~~

Disinherited by _____

Received By

Shaded 270

Received @ Lab By



Chain of Custody Supplement

2012
Molly Neil
7/3/12

Client:

PVE Sheffler

Lab Project ID:

12:2797

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

NELAC compliance with the sample condition requirements upon receipt			
Condition	Yes	No	N/A
Container Type	☒	☐	☐
Comments			
Transferred to method-compliant container	☐	☐	☒
Headspace (<1 mL)	☐	☐	☒
Comments			
Preservation	☒	☐	☐
Comments			
Chlorine Absent (<0.05 ppm per test strip)	☐	☐	☒
Comments			
Holding Time	☒	☐	☐
Comments			
Temperature	☐	☒	☐
Comments	16°C iced		
Sufficient Sample Quantity	☒	☐	☐
Comments			



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

PVE Sheffler

For Lab Project ID

131964

Referencing

F&T Darrigo, 160556

Prepared

Friday, June 07, 2013

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, consisting of several overlapping, slanted strokes, positioned above a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

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Lab Project ID: 131964

Client: **PVE Sheffler**
Project Reference: F&T Darrigo, 160556

Sample Identifier: MW-6
Lab Sample ID: 131964-01
Matrix: Groundwater
Date Sampled: 5/28/2013 11:50 AM
Date Received: 5/31/2013

Mercury

Analyte	Result	Units	Qualifier	Date/Time Analyzed
Mercury	< 0.000200	mg/L		6/5/2013 10:29:49 AM

Method Reference(s): EPA 7470A
Data File: hg130605a

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date/Time Analyzed
Aluminum	< 0.200	mg/L		6/6/2013 6:13:57 PM
Antimony	< 0.0600	mg/L		6/6/2013 6:13:57 PM
Arsenic	< 0.0100	mg/L		6/7/2013 10:49:25 AM
Barium	< 0.100	mg/L		6/6/2013 6:13:57 PM
Beryllium	< 0.00500	mg/L		6/6/2013 6:13:57 PM
Cadmium	< 0.00500	mg/L		6/6/2013 6:13:57 PM
Calcium	113	mg/L		6/6/2013 6:13:57 PM
Chromium	< 0.0100	mg/L		6/6/2013 6:13:57 PM
Cobalt	< 0.0500	mg/L		6/6/2013 6:13:57 PM
Copper	< 0.0250	mg/L		6/6/2013 6:13:57 PM
Iron	< 0.100	mg/L		6/6/2013 6:13:57 PM
Lead (Axial)	< 0.0100	mg/L		6/7/2013 10:49:25 AM
Magnesium	25.4	mg/L		6/6/2013 6:13:57 PM
Manganese	0.504	mg/L		6/6/2013 6:13:57 PM
Nickel	< 0.0400	mg/L		6/6/2013 6:13:57 PM
Potassium	3.39	mg/L		6/6/2013 6:13:57 PM
Selenium	< 0.0100	mg/L		6/6/2013 6:13:57 PM
Silver	< 0.0100	mg/L		6/6/2013 6:13:57 PM
Sodium	12.3	mg/L		6/6/2013 6:13:57 PM
Thallium	< 0.0250	mg/L		6/6/2013 6:13:57 PM
Vanadium	< 0.0250	mg/L		6/6/2013 6:13:57 PM

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Lab Project ID: 131964

Client: PVE Sheffler

Project Reference: F&T Darrigo, 160556

Sample Identifier: MW-6

Lab Sample ID: 131964-01

Matrix: Groundwater

Date Sampled: 5/28/2013 11:50 AM

Date Received: 5/31/2013

Zinc

< 0.0600

mg/L

6/6/2013 6:13:57 PM

Method Reference(s): EPA 6010C

EPA 3005

Data File: 060613d

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Lab Project ID: 131964

Client: PVE Sheffler

Project Reference: F&T Darrigo, 160556

Sample Identifier: MW-5
Lab Sample ID: 131964-02
Matrix: Groundwater

Date Sampled: 5/28/2013 1:27 PM
Date Received: 5/31/2013

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date/Time Analyzed</u>
Mercury	< 0.000200	mg/L		6/5/2013 10:37:45 AM

Method Reference(s): EPA 7470A
Data File: hg130605a

TAL Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date/Time Analyzed</u>
Aluminum	0.975	mg/L		6/6/2013 6:18:18 PM
Antimony	< 0.0600	mg/L		6/6/2013 6:18:18 PM
Arsenic	< 0.0100	mg/L		6/7/2013 10:53:47 AM
Barium	< 0.100	mg/L		6/6/2013 6:18:18 PM
Beryllium	< 0.00500	mg/L		6/6/2013 6:18:18 PM
Cadmium	< 0.00500	mg/L		6/6/2013 6:18:18 PM
Calcium	70.5	mg/L		6/6/2013 6:18:18 PM
Chromium	< 0.0100	mg/L		6/6/2013 6:18:18 PM
Cobalt	< 0.0500	mg/L		6/6/2013 6:18:18 PM
Copper	< 0.0250	mg/L		6/6/2013 6:18:18 PM
Iron	0.953	mg/L		6/6/2013 6:18:18 PM
Lead (Axial)	< 0.0100	mg/L		6/7/2013 10:53:47 AM
Magnesium	23.0	mg/L		6/6/2013 6:18:18 PM
Manganese	0.276	mg/L		6/6/2013 6:18:18 PM
Nickel	< 0.0400	mg/L		6/6/2013 6:18:18 PM
Potassium	2.81	mg/L		6/6/2013 6:18:18 PM
Selenium	< 0.0100	mg/L		6/6/2013 6:18:18 PM
Silver	< 0.0100	mg/L		6/6/2013 6:18:18 PM
Sodium	23.6	mg/L		6/6/2013 6:18:18 PM
Thallium	< 0.0250	mg/L		6/6/2013 6:18:18 PM
Vanadium	< 0.0250	mg/L		6/6/2013 6:18:18 PM

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Lab Project ID: 131964

Client: PVE Sheffler

Project Reference: F&T Darrigo, 160556

Sample Identifier: MW-5

Lab Sample ID: 131964-02

Matrix: Groundwater

Date Sampled: 5/28/2013 1:27 PM

Date Received: 5/31/2013

Zinc

< 0.0600

mg/L

6/6/2013 6:18:18 PM

Method Reference(s): EPA 6010C

EPA 3005

Data File: 060613d

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Lab Project ID: 131964

Client: PVE Sheffler

Project Reference: F&T Darrigo, 160556

Sample Identifier: GWFT-1

Lab Sample ID: 131964-03

Matrix: Groundwater

Date Sampled: 5/30/2013 9:44 AM

Date Received: 5/31/2013

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date/Time Analyzed</u>
Mercury	< 0.000200	mg/L		6/5/2013 10:40:54 AM

Method Reference(s): EPA 7470A

Data File: hg130605a

TAL Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date/Time Analyzed</u>
Aluminum	< 0.200	mg/L		6/6/2013 6:22:36 PM
Antimony	< 0.0600	mg/L		6/6/2013 6:22:36 PM
Arsenic	< 0.0100	mg/L		6/7/2013 10:58:05 AM
Barium	< 0.100	mg/L		6/6/2013 6:22:36 PM
Beryllium	< 0.00500	mg/L		6/6/2013 6:22:36 PM
Cadmium	< 0.00500	mg/L		6/6/2013 6:22:36 PM
Calcium	26.0	mg/L		6/6/2013 6:22:36 PM
Chromium	< 0.0100	mg/L		6/6/2013 6:22:36 PM
Cobalt	< 0.0500	mg/L		6/6/2013 6:22:36 PM
Copper	< 0.0250	mg/L		6/6/2013 6:22:36 PM
Iron	< 0.100	mg/L		6/6/2013 6:22:36 PM
Lead (Axial)	< 0.0100	mg/L		6/7/2013 10:58:05 AM
Magnesium	2.59	mg/L		6/6/2013 6:22:36 PM
Manganese	0.199	mg/L		6/6/2013 6:22:36 PM
Nickel	< 0.0400	mg/L		6/6/2013 6:22:36 PM
Potassium	< 2.50	mg/L		6/6/2013 6:22:36 PM
Selenium	< 0.0100	mg/L		6/6/2013 6:22:36 PM
Silver	< 0.0100	mg/L		6/6/2013 6:22:36 PM
Sodium	3.68	mg/L		6/6/2013 6:22:36 PM
Thallium	< 0.0250	mg/L		6/6/2013 6:22:36 PM
Vanadium	< 0.0250	mg/L		6/6/2013 6:22:36 PM

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Lab Project ID: 131964

Client: **PVE Sheffler**

Project Reference: F&T Darrigo, 160556

Sample Identifier: GWFT-1

Lab Sample ID: 131964-03

Matrix: Groundwater

Date Sampled: 5/30/2013 9:44 AM

Date Received: 5/31/2013

Zinc

< 0.0600

mg/L

6/6/2013 6:22:36 PM

Method Reference(s): EPA 6010C

EPA 3005

Data File: 060613d

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Lab Project ID: 131964

Client: PVE Sheffler

Project Reference: F&T Darrigo, 160556

Sample Identifier: GWFT-2
Lab Sample ID: 131964-04
Matrix: Groundwater

Date Sampled: 5/30/2013 10:40 AM
Date Received: 5/31/2013

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date/Time Analyzed</u>
Mercury	< 0.000200	mg/L		6/5/2013 10:44:04 AM

Method Reference(s): EPA 7470A
Data File: hg130605a

TAL Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date/Time Analyzed</u>
Aluminum	< 0.200	mg/L		6/6/2013 6:26:53 PM
Antimony	< 0.0600	mg/L		6/6/2013 6:26:53 PM
Arsenic	< 0.0100	mg/L		6/7/2013 11:02:23 AM
Barium	< 0.100	mg/L		6/6/2013 6:26:53 PM
Beryllium	< 0.00500	mg/L		6/6/2013 6:26:53 PM
Cadmium	< 0.00500	mg/L		6/6/2013 6:26:53 PM
Calcium	93.0	mg/L		6/6/2013 6:26:53 PM
Chromium	< 0.0100	mg/L		6/6/2013 6:26:53 PM
Cobalt	< 0.0500	mg/L		6/6/2013 6:26:53 PM
Copper	< 0.0250	mg/L		6/6/2013 6:26:53 PM
Iron	< 0.100	mg/L		6/6/2013 6:26:53 PM
Lead (Axial)	< 0.0100	mg/L		6/7/2013 11:02:23 AM
Magnesium	18.9	mg/L		6/6/2013 6:26:53 PM
Manganese	0.0250	mg/L		6/6/2013 6:26:53 PM
Nickel	< 0.0400	mg/L		6/6/2013 6:26:53 PM
Potassium	< 2.50	mg/L		6/6/2013 6:26:53 PM
Selenium	< 0.0100	mg/L		6/6/2013 6:26:53 PM
Silver	< 0.0100	mg/L		6/6/2013 6:26:53 PM
Sodium	9.50	mg/L		6/6/2013 6:26:53 PM
Thallium	< 0.0250	mg/L		6/6/2013 6:26:53 PM
Vanadium	< 0.0250	mg/L		6/6/2013 6:26:53 PM

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Lab Project ID: 131964

Client: **PVE Sheffler**

Project Reference: F&T Darrigo, 160556

Sample Identifier: GWFT-2

Lab Sample ID: 131964-04

Matrix: Groundwater

Date Sampled: 5/30/2013 10:40 AM

Date Received: 5/31/2013

Zinc

< 0.0600

mg/L

6/6/2013 6:26:53 PM

Method Reference(s): EPA 6010C

EPA 3005

Data File: 060613d

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Lab Project ID: 131964

Client: PVE Sheffler

Project Reference: F&T Darrigo, 160556

Sample Identifier: MW-3
Lab Sample ID: 131964-05
Matrix: Groundwater

Date Sampled: 5/30/2013 11:38 AM
Date Received: 5/31/2013

Mercury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date/Time Analyzed</u>
Mercury	< 0.000200	mg/L		6/5/2013 10:47:15 AM

Method Reference(s): EPA 7470A
Data File: hg130605a

TAL Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date/Time Analyzed</u>
Aluminum	< 0.200	mg/L		6/6/2013 6:31:15 PM
Antimony	< 0.0600	mg/L		6/6/2013 6:31:15 PM
Arsenic	< 0.0100	mg/L		6/7/2013 11:06:45 AM
Barium	< 0.100	mg/L		6/6/2013 6:31:15 PM
Beryllium	< 0.00500	mg/L		6/6/2013 6:31:15 PM
Cadmium	< 0.00500	mg/L		6/6/2013 6:31:15 PM
Calcium	29.5	mg/L		6/6/2013 6:31:15 PM
Chromium	0.0146	mg/L		6/6/2013 6:31:15 PM
Cobalt	< 0.0500	mg/L		6/6/2013 6:31:15 PM
Copper	< 0.0250	mg/L		6/6/2013 6:31:15 PM
Iron	0.136	mg/L		6/6/2013 6:31:15 PM
Lead (Axial)	< 0.0100	mg/L		6/7/2013 11:06:45 AM
Magnesium	3.85	mg/L		6/6/2013 6:31:15 PM
Manganese	< 0.0150	mg/L		6/6/2013 6:31:15 PM
Nickel	< 0.0400	mg/L		6/6/2013 6:31:15 PM
Potassium	< 2.50	mg/L		6/6/2013 6:31:15 PM
Selenium	< 0.0100	mg/L		6/6/2013 6:31:15 PM
Silver	< 0.0100	mg/L		6/6/2013 6:31:15 PM
Sodium	5.18	mg/L		6/6/2013 6:31:15 PM
Thallium	< 0.0250	mg/L		6/6/2013 6:31:15 PM
Vanadium	< 0.0250	mg/L		6/6/2013 6:31:15 PM

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Lab Project ID: 131964

Client: **PVE Sheffler**

Project Reference: F&T Darrigo, 160556

Sample Identifier: MW-3

Lab Sample ID: 131964-05

Matrix: Groundwater

Date Sampled: 5/30/2013 11:38 AM

Date Received: 5/31/2013

Zinc

< 0.0600

mg/L

6/6/2013 6:31:15 PM

Method Reference(s): EPA 6010C

EPA 3005

Data File: 060613d

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Lab Project ID: 131964

Client: **PVE Sheffler**

Project Reference: F&T Darrigo, 160556

Sample Identifier: MW-4

Lab Sample ID: 131964-06

Matrix: Groundwater

Date Sampled: 5/30/2013 12:33 PM

Date Received: 5/31/2013

Mercury

Analyte	Result	Units	Qualifier	Date/Time Analyzed
Mercury	< 0.000200	mg/L		6/5/2013 10:50:26 AM

Method Reference(s): EPA 7470A
Data File: hg130605a

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date/Time Analyzed
Aluminum	< 0.200	mg/L		6/6/2013 6:35:33 PM
Antimony	< 0.0600	mg/L		6/6/2013 6:35:33 PM
Arsenic	< 0.0100	mg/L		6/7/2013 11:11:04 AM
Barium	< 0.100	mg/L		6/6/2013 6:35:33 PM
Beryllium	< 0.00500	mg/L		6/6/2013 6:35:33 PM
Cadmium	< 0.00500	mg/L		6/6/2013 6:35:33 PM
Calcium	21.9	mg/L		6/6/2013 6:35:33 PM
Chromium	< 0.0100	mg/L		6/6/2013 6:35:33 PM
Cobalt	< 0.0500	mg/L		6/6/2013 6:35:33 PM
Copper	< 0.0250	mg/L		6/6/2013 6:35:33 PM
Iron	< 0.100	mg/L		6/6/2013 6:35:33 PM
Lead (Axial)	< 0.0100	mg/L		6/7/2013 11:11:04 AM
Magnesium	3.50	mg/L		6/6/2013 6:35:33 PM
Manganese	< 0.0150	mg/L		6/6/2013 6:35:33 PM
Nickel	< 0.0400	mg/L		6/6/2013 6:35:33 PM
Potassium	< 2.50	mg/L		6/6/2013 6:35:33 PM
Selenium	< 0.0100	mg/L		6/6/2013 6:35:33 PM
Silver	< 0.0100	mg/L		6/6/2013 6:35:33 PM
Sodium	4.72	mg/L		6/6/2013 6:35:33 PM
Thallium	< 0.0250	mg/L		6/6/2013 6:35:33 PM
Vanadium	< 0.0250	mg/L		6/6/2013 6:35:33 PM

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 131964

Client: PVE Sheffler

Project Reference: F&T Darrigo, 160556

Sample Identifier: MW-4

Lab Sample ID: 131964-06

Matrix: Groundwater

Date Sampled: 5/30/2013 12:33 PM

Date Received: 5/31/2013

Zinc

< 0.0600

mg/L

6/6/2013 6:35:33 PM

Method Reference(s): EPA 6010C

EPA 3005

Data File: 060613d

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

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Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"V" = Sample concentration is >10 times the spike. No meaningful Spike Recovery can be calculated.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"C" = Concentration differs by more than 40% between the primary and secondary analytical columns.

CHAIN OF CUSTODY

182

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

REPORT TO:

INVOICE TO:

PROJECT NAME/SITE NAME:
F47 Darrigo

COMPANY: PVE shafflen		COMPANY: Same		LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: 501 Cine Center Plaza, Suite 601		ADDRESS: Same		131964	160556
CITY: Poughkeepsie	STATE: NY	CITY: NY	STATE: NY	TURNAROUND TIME: (WORKING DAYS)	
ZIP: 12601		ZIP: 12601			
PHONE: 845-454-2544	FAX: 845-454-2544	PHONE: 845-454-2544	FAX: 845-454-2544		
ATTN: Tim Pagano		ATTN: Tim Pagano			
COMMENTS: Tim Pagano				QUOTE #:	
				☐ 1	☐ 2
				☐ 3	☒ 5
				☐ 4	☐ 6
				☐ 7	☐ 8
				☐ 9	☐ 10
				☐ 11	☐ 12
				☐ 13	☐ 14
				☐ 15	☐ 16
				☐ 17	☐ 18
				☐ 19	☐ 20
				☐ 21	☐ 22
				☐ 23	☐ 24
				☐ 25	☐ 26
				☐ 27	☐ 28
				☐ 29	☐ 30
				☐ 31	☐ 32
				☐ 33	☐ 34
				☐ 35	☐ 36
				☐ 37	☐ 38
				☐ 39	☐ 40
				☐ 41	☐ 42
				☐ 43	☐ 44
				☐ 45	☐ 46
				☐ 47	☐ 48
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				☐ 59	☐ 60
				☐ 61	☐ 62
				☐ 63	☐ 64
				☐ 65	☐ 66
				☐ 67	☐ 68
				☐ 69	☐ 70
				☐ 71	☐ 72
				☐ 73	☐ 74
				☐ 75	☐ 76
				☐ 77	☐ 78
				☐ 79	☐ 80
				☐ 81	☐ 82
				☐ 83	☐ 84
				☐ 85	☐ 86
				☐ 87	☐ 88
				☐ 89	☐ 90
				☐ 91	☐ 92
				☐ 93	☐ 94
				☐ 95	☐ 96
				☐ 97	☐ 98
				☐ 99	☐ 100

REQUESTED ANALYSIS

DATE	TIME	C O M P O S I T E	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N A T I O N S	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 5/28/13	11:50AM	X		MW-6	GW 1	X		01
2 5/28/13	1:23PM	X		MW-5	GW 1	X		02
3 5/30/13	9:44AM	X		GW PT-1	GW 1	X		03
4 5/30/13	10:40AM	X		GW PT-2	GW 1	X		04
5 5/30/13	11:38AM	X		MW-3	GW 1	X		05
6 5/30/13	12:33PM	X		MW-4	GW 1	X		06
7								
8								
9								
10								

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 213/241/243/243/244

Receipt Parameter		NELAC Compliance	
Container Type:	Y ☐ N ☐	Y ☐ N ☐	
Preservation:	Y ☐ N ☐	Y ☐ N ☐	
Holding Time:	Y ☐ N ☐	Y ☐ N ☐	
Temperature:	Y ☐ N ☐	Y ☐ N ☐	
Comments:	4°C cooled		

Received By: Tim Pagano	Date/Time: 5/28/13	Total Cost:
Sampled By: Tim Pagano	Date/Time: 5/30/13	
Relinquished By: Tim Pagano	Date/Time: 5/30/13	
Received By: Michael Gail	Date/Time: 5/31/13 1345	PLF: ☐
Received @ Lab By:	Date/Time:	



Chain of Custody Supplement

Client: PVE Sheffield Completed by: EAH
Lab Project ID: 131964 Date: 5/31

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	☒	☐	☐
Comments			
Transferred to method-compliant container	☐	☐	☒
Headspace (<1 mL)	☐	☐	☒
Comments			
Preservation	☒	☐	☐
Comments			
Chlorine Absent (<0.10 ppm per test strip)	☐	☐	☒
Comments			
Holding Time	☒	☐	☐
Comments			
Temperature	☐	☐	☒
Comments	<u>4°C cooled</u> <u>Met only</u>		
Sufficient Sample Quantity	☒	☐	☐
Comments			

ANALYTICAL REPORT

Job Number: 420-80080-1

SDG Number: 160556

Job Description: PVE Sheffler

For:

PVE Sheffler

1 Civic Center Plaza

Suite 501

Poughkeepsie, NY 12601

Attention: Christopher B. Brown



Meredith W Ruthven

Customer Service Manager

mruthven@envirotestlaboratories.com

07/25/2014

cc: Tara Alvarado

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EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOH PH-0554

Envirotest Laboratories, Inc.

315 Fullerton Avenue, Newburgh, NY 12550

Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com

METHOD SUMMARY

Client: PVE Sheffler

Job Number: 420-80080-1

SDG Number: 160556

Description	Lab Location	Method	Preparation Method
Matrix: Water			
ICP Metals by 200.7	EnvTest	EPA 200.7 Rev 4.4	
Total Metals Digestion for 200.7	EnvTest		EPA 200.7
Mercury in Water by CVAA	EnvTest	EPA 245.1	
Digestion for CVAA Mercury in Waters	EnvTest		EPA 245.1

Lab References:

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: PVE Sheffler

Job Number: 420-80080-1

SDG Number: 160556

Method	Analyst	Analyst ID
EPA 200.7 Rev 4.4	McPhillips, Julie	JM
EPA 245.1	McPhillips, Julie	JM

SAMPLE SUMMARY

Client: PVE Sheffler

Job Number: 420-80080-1

SDG Number: 160556

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-80080-1	MW-6	Water	07/17/2014 1102	07/17/2014 1610
420-80080-2	MW-5	Water	07/17/2014 1310	07/17/2014 1610
420-80080-3	MW-4	Water	07/17/2014 1508	07/17/2014 1610

Christopher B. Brown
PVE Sheffler
1 Civic Center Plaza
Suite 501
Poughkeepsie, NY 12601

Job Number: 420-80080-1
Sdg Number: 160556

Client Sample ID: MW-6
Lab Sample ID: 420-80080-1

Date Sampled: 07/17/2014 1102
Date Received: 07/17/2014 1610
Client Matrix: Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Method: 200.7 Rev 4.4			Date Analyzed:	07/24/2014 1236		
Prep Method: 200.7			Date Prepared:	07/22/2014 0944		
Ag	10	U	ug/L	10	10	1.0
Al	200	U	ug/L	200	200	1.0
As	10	U	ug/L	10	10	1.0
Ba	200	U	ug/L	200	200	1.0
Be	5.0	U	ug/L	5.0	5.0	1.0
Ca	110000		ug/L	5000	5000	1.0
Cd	5.0	U	ug/L	5.0	5.0	1.0
Co	50	U	ug/L	50	50	1.0
Cr	7.0	U	ug/L	7.0	7.0	1.0
Cu	25	U	ug/L	25	25	1.0
Fe	75		ug/L	60	60	1.0
K	5000	U	ug/L	5000	5000	1.0
Mg	26000		ug/L	5000	5000	1.0
Na	12000		ug/L	200	200	1.0
Ni	40	U	ug/L	40	40	1.0
Pb	5.0	U	ug/L	5.0	5.0	1.0
Mn	1400		ug/L	10	10	1.0
Sb	60	U	ug/L	60	60	1.0
Se	10	U	ug/L	10	10	1.0
V	50	U	ug/L	50	50	1.0
Tl	10	U	ug/L	10	10	1.0
Zn	20	U	ug/L	20	20	1.0
Method: 245.1			Date Analyzed:	07/25/2014 0913		
Prep Method: 245.1			Date Prepared:	07/24/2014 1215		
Hg	0.20	U	ug/L	0.20	0.20	1.0

Christopher B. Brown
PVE Sheffler
1 Civic Center Plaza
Suite 501
Poughkeepsie, NY 12601

Job Number: 420-80080-1
Sdg Number: 160556

Client Sample ID: MW-5
Lab Sample ID: 420-80080-2

Date Sampled: 07/17/2014 1310
Date Received: 07/17/2014 1610
Client Matrix: Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Method: 200.7 Rev 4.4			Date Analyzed:	07/24/2014 1240		
Prep Method: 200.7			Date Prepared:	07/22/2014 0944		
Ag	10	U	ug/L	10	10	1.0
Al	200	U	ug/L	200	200	1.0
As	10	U	ug/L	10	10	1.0
Ba	200	U	ug/L	200	200	1.0
Be	5.0	U	ug/L	5.0	5.0	1.0
Ca	66000		ug/L	5000	5000	1.0
Cd	5.0	U	ug/L	5.0	5.0	1.0
Co	50	U	ug/L	50	50	1.0
Cr	7.0	U	ug/L	7.0	7.0	1.0
Cu	25	U	ug/L	25	25	1.0
Fe	60	U	ug/L	60	60	1.0
K	5000	U	ug/L	5000	5000	1.0
Mg	21000		ug/L	5000	5000	1.0
Na	21000		ug/L	200	200	1.0
Ni	40	U	ug/L	40	40	1.0
Pb	5.0	U	ug/L	5.0	5.0	1.0
Mn	130		ug/L	10	10	1.0
Sb	60	U	ug/L	60	60	1.0
Se	10	U	ug/L	10	10	1.0
V	50	U	ug/L	50	50	1.0
Tl	10	U	ug/L	10	10	1.0
Zn	20	U	ug/L	20	20	1.0
Method: 245.1			Date Analyzed:	07/25/2014 0920		
Prep Method: 245.1			Date Prepared:	07/24/2014 1215		
Hg	0.20	U	ug/L	0.20	0.20	1.0

Christopher B. Brown
PVE Sheffler
1 Civic Center Plaza
Suite 501
Poughkeepsie, NY 12601

Job Number: 420-80080-1
Sdg Number: 160556

Client Sample ID: MW-4
Lab Sample ID: 420-80080-3

Date Sampled: 07/17/2014 1508
Date Received: 07/17/2014 1610
Client Matrix: Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Method: 200.7 Rev 4.4			Date Analyzed:	07/23/2014	0251	
Prep Method: 200.7			Date Prepared:	07/21/2014	1121	
Ag	10	U	ug/L	10	10	1.0
Al	200	U	ug/L	200	200	1.0
As	10	U	ug/L	10	10	1.0
Ba	200	U	ug/L	200	200	1.0
Be	5.0	U	ug/L	5.0	5.0	1.0
Ca	21000		ug/L	5000	5000	1.0
Cd	5.0	U	ug/L	5.0	5.0	1.0
Co	50	U	ug/L	50	50	1.0
Cr	7.0	U	ug/L	7.0	7.0	1.0
Cu	25	U	ug/L	25	25	1.0
Fe	60	U	ug/L	60	60	1.0
K	5000	U	ug/L	5000	5000	1.0
Mg	5000	U	ug/L	5000	5000	1.0
Ni	40	U	ug/L	40	40	1.0
Pb	5.3		ug/L	5.0	5.0	1.0
Mn	10	U	ug/L	10	10	1.0
Sb	60	U	ug/L	60	60	1.0
Se	10	U	ug/L	10	10	1.0
V	50	U	ug/L	50	50	1.0
Tl	10	U	ug/L	10	10	1.0
Zn	20	U	ug/L	20	20	1.0
Method: 200.7 Rev 4.4			Date Analyzed:	07/23/2014	1924	
Prep Method: 200.7			Date Prepared:	07/21/2014	1121	
Na	5200		ug/L	200	200	1.0
Method: 245.1			Date Analyzed:	07/25/2014	0922	
Prep Method: 245.1			Date Prepared:	07/24/2014	1215	
Hg	0.20	U	ug/L	0.20	0.20	1.0

DATA REPORTING QUALIFIERS

Client: PVE Sheffler

Job Number: 420-80080-1

Sdg Number: 160556

Lab Section	Qualifier	Description
Metals	U	The analyte was analyzed for but not detected at or above the stated limit.

Definitions and Glossary

Client: PVE Sheffler

Job Number: 420-80080-1

Sdg Number: 160556

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum quantitation levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points.



EnviroTest Laboratories Inc.

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

CUSTOMER NAME

PVE Sheffield

ADDRESS

One Nine Center Plaza, Suite 501

CITY, STATE, ZIP

Poughkeepsie NY 12601 845-202-6786

NAME OF CONTACT

Tim Pagan

PHONE NO.

PROJECT LOCATION

PAT Darringo

PROJECT NUMBER / PO NO.

160556

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE $4^{\circ} \pm 2^{\circ}\text{C}$.

REPORT TYPE

TURNAROUND

STANDARD ☒ ISRA ☐

NY REG ☐ NYASP A ☐ B ☐ CLP ☐

OTHER ☐

☒ NORMAL

☐ QUICK

☐ VERBAL

REPORT # (Lab Use Only)

80080

SAMPLE TEMP. 6.8 C

SAMPLE REC'D ON ICE ☒ Y ☐ N

PH CHECK ☐ Y ☐ N

CHLORINE (RESIDUAL) ☐ Y ☐ N

REVIEWED BY:

NY PUBLIC WATER SUPPLIES

SOURCE ID

ELAP TYPE

FEDERAL ID

ANALYSIS REQUESTED

TAL Metals

TAL Metals

TAL Metals

Total Number of Containers	
40ml Glass HCL	
Liter Amber HCL	
250ml Amber Sulfuric	
Liter Amber Organic Washed	
250ml Plastic Nitric Acid	
250ml Plastic Sodium Hydroxide	
Liter Plastic	
250ml Plastic Sulfuric Acid	
250ml Plastic	
125ml Plastic Sterile	
250ml Plastic NAOH/ZN ACC	
40ml Glass Sulfuric	
40ml Glass	
DO	

ETL #

SAMPLING DATE

COMP

GRAB

MATRIX

CLIENT I.D.

2/17/14 12:02

X

GW

MW-6

1

2/17/14 13:30

X

GW

MW-5

1

2/17/14 15:08

X

GW

MW-4

1

LAB USE ONLY

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE ETL TERMS AND CONDITIONS OF SALE UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY

Tim Pagan

COMPANY

PVE

DATE

2/17/14

TIME

16:10

RECEIVED BY

Tim Pagan

COMPANY

PVE

DATE

2/17/14

TIME

16:10

RELINQUISHED BY

Tim Pagan

COMPANY

PVE

DATE

2/17/14

TIME

RECEIVED BY

COMPANY

DATE

TIME

COMMENTS

NYSDOH 10142

NJDEP NY015

CTDOPH PH-0554

EPA NY00049

LOGIN SAMPLE RECEIPT CHECK LIST

Client: PVE Sheffler

Job Number: 420-80080-1

SDG Number: 160556

Login Number: 80080

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	6.8 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 420-93668-1
SDG Number: F&T Darrigo / 560556
Job Description: PVE Sheffler

For:
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Attention: Christopher B. Brown



Meredith W Ruthven
Customer Service Manager
mruthven@envirotestlaboratories.com
08/20/2015

cc: Tara Alvarado

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EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554

Envirotest Laboratories, Inc.

315 Fullerton Avenue, Newburgh, NY 12550

Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com

METHOD SUMMARY

Client: PVE Sheffler

Job Number: 420-93668-1
SDG Number: F&T Darrigo / 560556

Description	Lab Location	Method	Preparation Method
Matrix: Water			
ICP Metals by 200.7	EnvTest	EPA 200.7 Rev 4.4	
Total Metals Digestion for 200.7	EnvTest		EPA 200.7
Mercury in Water by CVAA	EnvTest	EPA 245.1 Rev.3.0	
Digestion for CVAA Mercury in Waters	EnvTest		EPA 245.1

Lab References:

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: PVE Sheffler

Job Number: 420-93668-1
SDG Number: F&T Darrigo / 560556

Method	Analyst	Analyst ID
EPA 200.7 Rev 4.4	Goldstein, Amy	AG
EPA 245.1 Rev.3.0	Goldstein, Amy	AG

SAMPLE SUMMARY

Client: PVE Sheffler

Job Number: 420-93668-1
SDG Number: F&T Darrigo / 560556

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-93668-1	MW-4 20150804	Water	08/07/2015 1135	08/07/2015 1230
420-93668-2	MW-5 20150804	Water	08/07/2015 1055	08/07/2015 1230
420-93668-3	MW-6 20150804	Water	08/07/2015 1020	08/07/2015 1230

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-93668-1
Sdg Number: F&T Darrigo / 560556

Client Sample ID: MW-4 20150804
Lab Sample ID: 420-93668-1

Date Sampled: 08/07/2015 1135
Date Received: 08/07/2015 1230
Client Matrix: Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Method: 200.7 Rev 4.4			Date Analyzed:	08/13/2015	2053	
Prep Method: 200.7			Date Prepared:	08/10/2015	0930	
Silver	10	U	ug/L	10	10	1.0
Aluminum	630		ug/L	200	200	1.0
Arsenic	10	U	ug/L	10	10	1.0
Barium	200	U	ug/L	200	200	1.0
Beryllium	5.0	U	ug/L	5.0	5.0	1.0
Calcium	25000		ug/L	5000	5000	1.0
Cadmium	5.0	U	ug/L	5.0	5.0	1.0
Cobalt	50	U	ug/L	50	50	1.0
Chromium	7.0	U	ug/L	7.0	7.0	1.0
Copper	25	U	ug/L	25	25	1.0
Iron	540		ug/L	60	60	1.0
Magnesium	5000	U	ug/L	5000	5000	1.0
Nickel	40	U	ug/L	40	40	1.0
Lead	5.1		ug/L	5.0	5.0	1.0
Manganese	10	U	ug/L	10	10	1.0
Antimony	60	U	ug/L	60	60	1.0
Selenium	10	U *	ug/L	10	10	1.0
Vanadium	50	U	ug/L	50	50	1.0
Thallium	10	U	ug/L	10	10	1.0
Zinc	20	U	ug/L	20	20	1.0
Method: 200.7 Rev 4.4			Date Analyzed:	08/14/2015	2014	
Prep Method: 200.7			Date Prepared:	08/10/2015	0930	
Potassium	5000	U	ug/L	5000	5000	1.0
Sodium	5700		ug/L	200	200	1.0
Method: 245.1 Rev.3.0			Date Analyzed:	08/13/2015	1245	
Prep Method: 245.1			Date Prepared:	08/12/2015	1310	
Mercury	0.20	U	ug/L	0.20	0.20	1.0

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-93668-1
Sdg Number: F&T Darrigo / 560556

Client Sample ID: MW-5 20150804
Lab Sample ID: 420-93668-2

Date Sampled: 08/07/2015 1055
Date Received: 08/07/2015 1230
Client Matrix: Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Method: 200.7 Rev 4.4			Date Analyzed:	08/13/2015	2058	
Prep Method: 200.7			Date Prepared:	08/10/2015	0930	
Silver	10	U	ug/L	10	10	1.0
Aluminum	200	U	ug/L	200	200	1.0
Arsenic	10	U	ug/L	10	10	1.0
Barium	200	U	ug/L	200	200	1.0
Beryllium	5.0	U	ug/L	5.0	5.0	1.0
Calcium	72000		ug/L	5000	5000	1.0
Cadmium	5.0	U	ug/L	5.0	5.0	1.0
Cobalt	50	U	ug/L	50	50	1.0
Chromium	7.0	U	ug/L	7.0	7.0	1.0
Copper	25	U	ug/L	25	25	1.0
Iron	60	U	ug/L	60	60	1.0
Magnesium	21000		ug/L	5000	5000	1.0
Nickel	40	U	ug/L	40	40	1.0
Lead	5.0	U	ug/L	5.0	5.0	1.0
Manganese	150		ug/L	10	10	1.0
Antimony	60	U	ug/L	60	60	1.0
Selenium	10	U *	ug/L	10	10	1.0
Vanadium	50	U	ug/L	50	50	1.0
Thallium	10	U	ug/L	10	10	1.0
Zinc	20	U	ug/L	20	20	1.0
Method: 200.7 Rev 4.4			Date Analyzed:	08/14/2015	2019	
Prep Method: 200.7			Date Prepared:	08/10/2015	0930	
Potassium	5000	U	ug/L	5000	5000	1.0
Sodium	23000		ug/L	200	200	1.0
Method: 245.1 Rev.3.0			Date Analyzed:	08/13/2015	1251	
Prep Method: 245.1			Date Prepared:	08/12/2015	1310	
Mercury	0.20	U	ug/L	0.20	0.20	1.0

Christopher B. Brown
PVE Sheffler
48 Springside Ave.
Poughkeepsie, NY 12601

Job Number: 420-93668-1
Sdg Number: F&T Darrigo / 560556

Client Sample ID: MW-6 20150804
Lab Sample ID: 420-93668-3

Date Sampled: 08/07/2015 1020
Date Received: 08/07/2015 1230
Client Matrix: Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Method: 200.7 Rev 4.4			Date Analyzed:	08/13/2015 2103		
Prep Method: 200.7			Date Prepared:	08/10/2015 0930		
Silver	10	U	ug/L	10	10	1.0
Aluminum	200	U	ug/L	200	200	1.0
Arsenic	10	U	ug/L	10	10	1.0
Barium	200	U	ug/L	200	200	1.0
Beryllium	5.0	U	ug/L	5.0	5.0	1.0
Calcium	110000		ug/L	5000	5000	1.0
Cadmium	5.0	U	ug/L	5.0	5.0	1.0
Cobalt	50	U	ug/L	50	50	1.0
Chromium	7.0	U	ug/L	7.0	7.0	1.0
Copper	25	U	ug/L	25	25	1.0
Iron	60	U	ug/L	60	60	1.0
Magnesium	29000		ug/L	5000	5000	1.0
Nickel	40	U	ug/L	40	40	1.0
Lead	5.9		ug/L	5.0	5.0	1.0
Manganese	1100		ug/L	10	10	1.0
Antimony	60	U	ug/L	60	60	1.0
Selenium	10	U *	ug/L	10	10	1.0
Vanadium	50	U	ug/L	50	50	1.0
Thallium	10	U	ug/L	10	10	1.0
Zinc	20	U	ug/L	20	20	1.0
Method: 200.7 Rev 4.4			Date Analyzed:	08/14/2015 2024		
Prep Method: 200.7			Date Prepared:	08/10/2015 0930		
Potassium	5000	U	ug/L	5000	5000	1.0
Sodium	14000		ug/L	200	200	1.0
Method: 245.1 Rev.3.0			Date Analyzed:	08/13/2015 1253		
Prep Method: 245.1			Date Prepared:	08/12/2015 1310		
Mercury	0.20	U	ug/L	0.20	0.20	1.0

DATA REPORTING QUALIFIERS

Client: PVE Sheffler

Job Number: 420-93668-1
Sdg Number: F&T Darrigo / 560556

Lab Section	Qualifier	Description
Metals		
	*	LCS or LCSD exceeds the control limits
	U	The analyte was analyzed for but not detected at or above the lowest stated limit.

Definitions and Glossary

Client: PVE Sheffler

Job Number: 420-93668-1

Sdg Number: F&T Darrigo / 560556

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points.

CUSTOMER NAME	PVE SHEFFLER
ADDRESS	48 SPRINGSIDE AVE
CITY, STATE, ZIP	POUGHKEEPSIE NY 12603
NAME OF CONTACT	ALAN MASON
PHONE NO.	845-454-2544
PROJECT LOCATION	Fd T DARRIGO
PROJECT NUMBER / PO NO.	560556

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE $4^{\circ} \pm 2^{\circ}\text{C}$.

REPORT TYPE	TURNAROUND	REPORT # (Lab Use Only)
STANDARD ☒ ISRA ☐	☒ NORMAL	93668
NJ REG ☐	☐ QUICK	SAMPLE TEMP. 172
NYASP A ☐ B ☐ CLP ☐	☐ VERBAL	SAMPLE REC'D ON ICE ☒ Y ☐ N
OTHER		ph CHECK ☐ Y ☐ N
		CHLORINE (RESIDUAL) ☐ Y ☐ N
		REVIEWED BY:

Matrix
DW = DRINKING WATER S = SOIL O = OIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

ETL #	SAMPLING DATE	TIME	AM	PM	GRAB	COMP	MATRIX	CLIENT I.D.	ANALYSIS REQUESTED
8715	1135	X					GW	MW-4 20150804	TAL metals
1055		X						MW-5 20150804	
1026		X						MW-6 20150804	

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE ETL TERMS AND CONDITIONS OF SALE UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY	DATE	TIME	COMPANY	RECEIVED BY	DATE	TIME
[Signature]	8/7/15	1230	PVE SHEFFLER	[Signature]	8/7/15	1230
SAMPLED BY	DATE	TIME	COMPANY	RECEIVED BY	DATE	TIME
[Signature]	8/7/15	1145	PVE SHEFFLER	[Signature]	8/7/15	1145
RELINQUISHED BY	DATE	TIME	COMPANY	RECEIVED BY	DATE	TIME
				[Signature]	8/7/15	1230

COMMENTS

LOGIN SAMPLE RECEIPT CHECK LIST

Client: PVE Sheffler

Job Number: 420-93668-1
SDG Number: F&T Darrigo / 560556

Login Number: 93668

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	17.2 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	False	
If false, was sample received on ice within 6 hours of collection.	True	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau C
625 Broadway, 11th Floor, Albany, NY 12233-7014
P: (518) 402-9662 | F: (518) 402-9679
www.dec.ny.gov

July 1, 2016

Mr. Christopher B. Brown, CPG
PVE Sheffler, LLC
48 Springside Avenue
Poughkeepsie, NY 12603

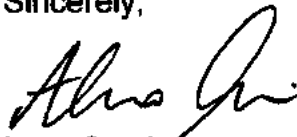
RE: Letter Request to Reduce Frequency of
Groundwater Monitoring and Periodic Review
Report; F&T Darrigo Site; PVE Sheffler File
#560556; NYSDEC Site #336002

Dear Mr. Brown:

The New York State Department of Environmental Conservation (the Department) has reviewed your request to reduce the frequency of groundwater monitoring and submission of Periodic Review Reports for the F&T Darrigo site, NYSDEC Site #336002, submitted on May 24, 2016. Based on the information provided with your request, the Department has determined that groundwater monitoring, site inspection, and Periodic Review Report submission on the schedule of once every three years satisfies the requirements of an effective Site Management Plan, and hereby approves your request.

As discussed in our conversation on May 24, 2016, please provide to the Department an updated Site Management Plan, the most recent un-submitted Periodic Review Reports, and a draft Final Engineering Report for review. Should you have any questions, please feel free to contact me at alexandra.servis@dec.ny.gov, or by phone at 518-402-9809.

Sincerely,



Lexy Servis
Engineering Geologist
Remedial Bureau C
Division of Environmental Remediation

ec: A. Omorogbe
A. Mason
D2



Department of
Environmental
Conservation