Soil Remedial Action Closure Report
For the Leica Inc. Site
Cheektowaga, New York
Volume I

Prepared for:

Leica Inc.
P.O. Box 123
Buffalo, NY 14240-0123

Prepared by:

SCIENTECH, Inc.
143 West Street
New Milford, CT 06776

April 2004

SCIENTECH

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DOCUMENT AUTHORIZATION FORM

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143 West Street
New Milford, CT 06776

Jeffrey Kronick
Environmental Scientist

4/23/04
Date

Robert E. McPeak, Jr., P.E., LEP
Department Manager

4/23/04
Date

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1. INTRODUCTION

1.1 PURPOSE

SCIENTECH, Inc. has prepared this Soil Remedial Action Closure Report on behalf of Leica Microsystems Inc., (formerly Leica Inc.). The main purpose of this report is to describe activities performed during the remediation and excavation of contaminated soil at the property at 203 Eggert Road in Cheektowaga, New York (the "Site"). A Vicinity Map is included as Figure 1 in Appendix A. This report also briefly reviews site history and the results of previous site investigations, along with providing details of site activities including sampling and laboratory analysis, procedures and protocols used to complete excavation of the contaminated soils, remediation of contaminated soils (in-situ and ex-situ), disposal of contaminated soils, and verification of compliance with the New York State Department of Environmental Conservation (NYSDEC) Remedial Action Objectives (RAOs).

This document describes the excavation of contaminated soils remaining in Area C following operation of a dual vacuum extraction (DVE) system at the site. It also provides a brief explanation of the DVE system remediation of contaminated soils and groundwater discovered in Area A, Area B and Area C during Phase II and Phase III investigations at the Site.

1.2 SITE DESCRIPTION

The Leica Inc., Site is located on approximately 24 acres at the intersection of Eggert Road and Sugar Road in the Town of Cheektowaga, Erie County, New York, (See Vicinity Map, Appendix A Figure 1). The west boundary of the Site abuts the eastern boundary of the City of Buffalo. The Site is located in a generally commercial/residential area and is bounded by open land and public housing to the west, Cemetery property to the north and east and residential property to the south. The wetland located immediately to the east of Area C is the only surface water body in the general vicinity of the Site. Storm water run-off is collected by the municipal storm water system and conveyed to Scajaquada Creek approximately one mile south of the Site. Groundwater is not used for a source of drinking water. The Erie County Water Authority supplies drinking water to the Town of Cheektowaga from the Niagara River.

The manufacturing facility on the Site was built in 1938 by the Spencer Lens Company to manufacture scientific instruments and high quality optical devices. The property has been owned and operated by various other firms manufacturing similar optical related products since 1938. The majority of the Eggert Road site was sold by Leica Inc. to Sam-Son Corporation/Calypso Development in 1993 and has since been operated as a distribution center for various consumer products.

There are three permanent buildings on the property, including the brick multi-story Main Building of approximately 360,000 square feet, a single story metal storage building of approximately 3,100 square feet, and a one story brick fire protection system pump house of 325 square feet. The Main Building was constructed in segments from 1938 to 1967. The buildings are all constructed with concrete slab on grade foundations. The remainder of the Site is either paved for parking use or landscaped.

The Site is listed on the New York Registry of Inactive Hazardous Waste Sites (#915156) as a Class 2 site. A Class 2 designation indicates the property is assumed to pose a significant threat to public health and/or the environment.

2. PREVIOUS INVESTIGATIONS

Leica Inc., under the supervision of NYSDEC, initiated a Remedial Investigation/Feasibility Study (RI/FS) in November 1993 to address the contamination at the Site. Connestoga-Rovers and Associates completed the RI in October 1994 and submitted the FS in May 1995 with subsequent revisions in July 1995 and March 1996 with final addendums by NES, Inc. (now SCIENTECH, Inc.) submitted in February 1997.

The original Feasibility Study (FS) prepared by Connestoga-Rovers and Associates in 1995 assessed the feasibility of implementing a number of remedial options. Optional remedies for soil included, No Action, Limited Action, Physical Containment, In-Situ Treatment, Removal/Treatment, and Removal/Disposal. Optional remedies for groundwater included No Action, Limited Action, Physical Containment, In-Situ Treatment, Hydraulic Containment, Source Removal, Collection/Treatment and Collection/Disposal. The original 1995 FS selected Ex-Situ Treatment with soil vapor extraction as the preferred remedy for soils and Collection/Treatment as the preferred method for groundwater remediation. SCIENTECH amended the original FS in 1997 and selected In-Situ Treatment using a dual vacuum extraction (DVE) system combined with air sparging (AS) as the preferred remedy for soils and the selected remedy for groundwater remained unchanged.

Following these amendments to the FS, NYSDEC Prepared the Proposed Remedial Action Plan (PRAP) in February 1997. The final PRAP included the use of DVE /AS and indicated that the general remedial goal was to, "provide for the attainment of Remedial Action Objectives (RAOs) for groundwater, surface and subsurface soil, surface water and sediment." General statewide RAOs for soils are based on a default Total Organic Carbon content of one percent. These original default RAOs for soils were subsequently adjusted based on actual site-specific percentages of TOC in the three distinct soil types (fill, clay, sandy silt) encountered in the site remediation area. Calculations of adjusted RAOs were performed in accordance with New York State DEC Technical Assistance Guidance Manual (TAGM) 4046, Appendix A, dated November 1992. Adjusted values were calculated and presented in a report prepared by NES (now Scientech) entitled, Additional Investigation Report, dated July 1998. The final adjusted RAOs are as follows:

		Adjusted Remedial Action Objectives (RAOs)		
VOCs (us/kg)	Original RAO	Fill Avg. TOC % 4.0	Clay Avg. TOC % 1.5	Sandy silt Avg. TOC % 2.0
Benzene	60	232	87	116
1,1-Dichloroethane	200	600	225	300
1,2-Dichloroethane	100	280	105	140

		Adjusted Remedial Action Objectives (RAOs)		
VOCs (us/kg)	Original RAO	Fill Avg. TOC % 4.0	Clay Avg. TOC % 1.5	Sandy silt Avg. TOC % 2.0
Ethylbenzene	5,500	22,000	8,250	11,000
Methylene Chloride	200	420	158	210
Toluene	1,500	6,000	2,250	3,000
1,1,1 Trichloroethane	800	3,040	1,140	1,520
Trichloroethene	1,000	2520	945	1,260
Vinyl Chloride	200	456	171	228
Xylene (total)	1,200	4,800	1,800	2,400

The PRAP included soil remediation in three areas of the site named, Area A, Area B and Area C. Area A was a small area approximately 15' x 15' on the eastern side of the facility associated with a former drum staging area. Area B was a larger area approximately 100' x 100' located immediately to the east of the loading docks on the east side of the facility. Area C was the largest area (approximately 200 – 300' long and 100' – 150' wide) located near the southeastern most corner of the property.

SCIENTECH completed installation of both the soil and groundwater remedial systems in 1999. The installation included two dual vacuum systems for removal of constituents in overburden soils. A shallow horizontal vacuum system was installed to address soils to a depth of approximately four feet below ground surface with the use of horizontal perforated pipe. Also, vertical vacuum wells with "slurping" tubes supplemented by an air sparging system were installed to address soils at depths of approximately eight to thirteen feet. In addition to the overburden remediation systems, a bedrock groundwater pump and treat system was also installed in Area B and Area C.

Following installation of the remedial systems in 1999, SCIENTECH continued to maintain the systems and monitor their operation. Soil samples collected in May 2000 suggested that remediation of shallow soils was complete in Area A. Soil samples collected in August 2001 indicated that the shallow horizontal system was successfully reducing contaminant concentrations in Area B and some but not all portions of Area C. Data also suggested that the deeper soils in Area C were generally being remediated as concentrations approached the Remedial Action Objectives (RAOs). A NYSDEC FACT SHEET dated October 2002 was provided to the public to confirm this information regarding the status of on site treatment.

The Interim Closure Sampling Investigation was performed during the week of May 13, 2002, in accordance with the approved sampling plan dated February 2002. Samples were collected from Area A, Area B, and Area C at locations shown on Figures 2 and 3 included in Appendix A. Soil samples collected from Areas A and B were taken from the shallow zone (0-2') and the deeper zone above the bedrock (7-11'). Samples collected from Area C were taken from the shallow zone (0-4') and the silty sand (8-14') above the bedrock. A total of 136 samples were collected, 5 from Area A, 17 from Area B, and 114 from Area C. Borings in Area C were advanced in the most conservative locations that were farthest from the shallow SVE piping and most likely to still contain concentrations above the RAOs.

Of the total 136 samples collected, 105 were submitted to the laboratory for analysis. A summary table (Appendix B Table 1) of the data and a drawing showing the locations of soil samples collected in May 2002 with RAO concentrations above the established levels are included. A photoionization detector (PID) was used to screen all soil samples collected from Areas A, B, and C.

Laboratory results showed that contaminants in soils at all locations sampled in Areas A and B were below the adjusted RAOs (including the TAGM total VOC concentration of 10 ppm). Based on these results, NYSDEC authorized SCIENTECH to discontinue system operations in these areas.

Results also confirmed the findings of earlier laboratory testing regarding contaminant distribution in Area C. Soils in some portions of Area C contained contaminant concentrations below the adjusted RAOs; however, soils in other portions of Area C still contained contaminant concentrations above the adjusted RAOs. Soils in the 0-2' interval appeared to be below the adjusted RAOs over most of the C Area.

As a result of the findings from the Interim Closure Sampling Investigation, SCIENTECH proposed a combination of remedial activities to complete the remediation of soils in Area C. Remedial activities included excavation, ex-situ Soil Vapor Extraction (SVE) and landfill disposal. These activities are outlined in the "Supplemental Soil Removal Remedial Action Work Plan" dated September 25, 2002.

3. SOIL AND GROUNDWATER REMEDIATION SYSTEM

Based on the findings of previous investigations, SCIENTECH was contracted by Leica Microsystems Inc., (formerly Leica Inc.) to design, install and operate a remediation system at the former Leica Optical Site in Cheektowaga, New York. The system, which included a combination of air sparging and dual vacuum extraction (AS/DVE), was designed to remediate the shallow soil zone (0 – 4') and the deeper soil zone (8 – 13 '). Shallow (2 – 4' deep) horizontal and deeper (8 – 13' deep) vertical vacuum wells were installed in the three separate areas of the Site, Areas A, B, and C. The AS/DVE system was installed in 1999 by SCIENTECH and continued to run until late October 2002. A concurrently operated bedrock groundwater extraction system was also installed by SCIENTECH in 1999 and has continued to operate since that time. The (AS/DVE) system was comprised of a central treatment trailer that houses the vacuum blowers, the air sparging compressor and the water treatment system that was designed to treat groundwater collected from the vacuum system. The water treatment system also treats groundwater from bedrock well recovery pumps located in monitoring well MW-11A in Area C and monitoring well MW-16A in Area B. Approximately seven to ten gallon per minute are pumped from these two deep well pumps.

Based on data collected in 2001 and 2002, it appeared that some portions of the AS/DVE system were working more successfully than others. Soil samples collected from Areas A and B indicated that contaminant concentrations had been reduced to levels below the RAOs. Based on these results, NYSDEC authorized SCIENTECH to discontinue operation of the DVE system in Areas A and B on July 30, 2002. A copy of this authorization letter is included in Appendix C.

Soil samples collected from Area C indicated that contaminant concentrations in some portions were reduced below the RAOs; however, there were a number of areas where VOC concentrations were still above the RAOs. The lack of success in these portions of Area C was due in part to the presence of water in the shallow soils. Area C is underlain by a clay zone at approximately four feet below grade that creates a "perched" water table in the shallow zone. This phenomenon made it very difficult to dry the soils in this zone during seasonal periods with significant amounts of precipitation. Also, the unconsolidated backfill material used during installation of the system contained higher permeability rates that also increased saturation of soils surrounding the vacuum extraction piping in portions of Area C.

SCIENTECH continued to operate and maintain the AS/DVE system in Areas A and B until July 2002 and in Area C until late October 2002. In late October 2002, SCIENTECH began implementation of the Soil Removal Remedial Action Work Plan and operation of the AS/DVE system in Area C was discontinued. The groundwater remediation system continued to operate in Areas B and C during the excavation activities in Area C with only brief periods of stoppage for routine maintenance and during excavation activities surrounding pumping well MW-11A.

4. SOIL REMEDIAL ACTION

4.1 INTRODUCTION

SCIENTECH continued to operate and maintain the AS/DVE system in Area C until October 2002. In late October, SCIENTECH began implementation of the Soil Removal Remedial Action Work Plan and operation of the remediation system in Area C was discontinued. The excavation of contaminated soils in Area C began on October 29, 2002 and was completed on May 22, 2003. Original estimates based on measurements of soil stockpiles suggested about 9,500 tons of soil had been excavated. Weight ticket information subsequently received from the three landfills that received the soils revealed that the actual weight of the material was approximately 8,106 tons.

Some of the excavated soils contained VOC concentrations that were above the RAOs but low enough to be considered for disposal in a New York Part 360 Solid Waste Landfill while other soils contained VOC and lead concentrations that required disposal at hazardous solid waste landfills. Of the approximately 8,106 tons of soil that were excavated, approximately 470 tons of soil contained VOC concentrations below the RAOs and were used as backfill in the excavation.

The original soil removal work plan called for the excavation of soils in approximately nine separate grid zones. Confirmation samples were to be collected at the perimeter of the excavation to confirm the RAOs as established in Section 2 were met. The work plan also contained a provision that permitted the averaging of confirmation sample results, allowing individual results to be above the RAOs but requiring the average of parameter concentrations within an excavation area to be below the RAOs.

4.2 EXCAVATION OF CONTAMINATED SOIL

4.2.1 Excavation Operations

Soil excavation operations began on October 29, 2002 in accordance with the Supplemental Soil Removal Remedial Action Work Plan dated September 2002. The Work Plan combined a series of remedial actions based on analytical results taken during the Interim Closure Sampling in May 2002 to address the portions of Area C with VOC concentrations above the RAOs. These actions included a combination of: excavation and off-site disposal, and excavation and supplemental on-site ex-situ treatment in a newly created Treatment Pile.

The Supplemental Soil Removal Remedial Action Work Plan called for the excavation of soils in nine grid areas until an area 20' x 10' had been excavated to the depth of the clay zone at approximately four feet below ground surface (and any supplemental extensions based on confirmation sampling). Based on data collected during the Interim Closure Sampling, grid area C22 required excavation of deeper soils in the silty sand zone (8-14'). After completion of the excavation in each grid area, the SCIENTECH field crew was to collect five confirmation samples with one sample from the floor and one sample from each of the four walls. Each excavated grid area was to be considered complete when the average concentration of each applicable constituent in the five samples was below the established RAO. Excavated material was to be segregated into various staging and treatment areas based on the laboratory data and field screenings. The SCIENTECH field crew incorporated adjustments to the Work Plan based on PID readings, laboratory data as well as visual observations.

Excavation operations of each grid area began by removing the asphalt parking lot in the nine grid areas in Area C (C12, C21, C22, C31, C32, C33, C44, C45 and C51) with a tracked excavator. The excavated asphalt and clean overburden were stored on-site to create berms surrounding the soil staging areas and for use as backfill when excavation activities were completed. Clean overburden soils were confirmed based on laboratory data collected during the Interim Investigation sampling, visual observations, and PID readings.

The SCIENTECH field crew began excavation operations in grid areas C12 and C21 using the tracked excavator. After removing the asphalt and overburden, a dark, "oily" appearing soil with high PID readings was discovered at 0-2' deep. As the excavation continued to approximately 6' deep, the soils continued to have an "oily" appearance with high PID readings. The soils also contained ash, brick, wood and other articles of trash. At this time, samples were collected and the excavation operation then moved to a different grid zone.

Excavation operations continued in grid areas C44 and C45. After excavating the upper four feet, PID readings indicated that soils at the excavation limits and floor still had elevated VOC concentrations and further excavation was necessary. Grid area C45 was excavated to approximately 12.5' deep to collect confirmation floor samples with VOC concentrations below the RAOs. The excavation limits of C44 and C45 expanded into grid areas C43, C53 and C63 at approximately 4' deep before confirmation samples with VOC concentrations below the RAOs could be collected.

Excavation activities then moved to grid area C51 also referred to as TP3. The excavation limits of C51 expanded south into C41, north into C61, and east to the property line. Grid area C51 south into C41 was excavated below the estimated 4' depth, down to 9' before confirmation floor samples with VOC concentrations below the RAOs could be collected.

Laboratory data indicated that further excavation in grid area C21 was necessary. Excavation limits expanded north into grid area C31 and east to the property line to collect confirmation samples. During excavation in C31 the SCIENTECH field crew uncovered an area containing various waste containers filled with a white-beige powdery substance. The soils excavated in the vicinity of the waste containers were stockpiled separately in the staging area and labeled media piles (MP1-MP10 all inclusive). Once the material had been excavated, the SCIENTECH field crew attempted to segregate the actual containers from the contaminated soil. Two piles of segregated containers were created and labeled as SCP1 (segregated container pile) and SCP2. The remainder of the contaminated media was stockpiled in the media piles. Grid area C31 was excavated down to 5-9.5' before confirmation samples with VOC concentrations below the RAOs could be collected.

As the excavation expanded north and west into grid areas C22 and C33, more waste containers and several metal buckets containing tar, bricks, wood, scrap metal, and garbage were discovered. The majority of the waste containers were constructed of what appeared to be cardboard and were cylindrical in shape measuring approximately six to eight inches in diameter and ten to twelve inches long. Based on conversations with Leica representatives, it was thought that the containers with the chalky material had been filled with spent polishing media. The SCIENTECH field crew collected samples of the powdery substance and analyzed it for corrosivity, ignitability, reactivity, and lead TCLP. Laboratory results indicated that the powdery substance contained elevated concentrations of lead, but was not corrosive, ignitable or reactive.

As the excavation of each of the nine grid areas in Area C increased beyond the originally planned limits in December 2002, the SCIENTECH field crew made adjustments to The Supplemental Soil Removal Remedial Action Work Plan. Revisions to the Work Plan were submitted in letter form to the NYSDEC for review and approval on February 24, 2003. The NYSDEC project manager Mr. Greg Sutton in a letter dated March 5, 2003 granted approval of these revisions. Copies of the revisions and associated approvals are included in Appendix C. Based on these plan revisions, the original nine separate excavation grid areas were now two separate excavation areas, Excavation Area 1 and Excavation Area 2 (See Appendix A Figure 4). Confirmation samples were collected from the excavation walls and floors in each excavation area. Each excavation area was considered complete when the average concentrations of each applicable constituent in all of the samples collected were below the established RAOs.

With the excavation areas expanding beyond the originally planned limits, dewatering of the excavations became necessary. Water was pumped periodically to a dewatering storage tank followed by treatment in the remediation system prior to being released into the city sewer. To try and minimize dewatering of the excavation, the excavated grid areas were backfilled as soon as possible following NYSDEC Region 9 approval of confirmation sample results.

Excavation activities continued in grid areas C12, C22, C23 and C33 based on confirmation sample data indicating VOC concentrations were still above the RAOs. At this time, excavation limits in these grid areas were becoming much larger than anticipated. Excavation limits continued west toward grid areas C14, C24 and C34 and south beyond grid areas C11, C12 and C13. As a result, SCIENTECH advanced a number of additional test trenches in the vicinity of grid zones C12, C23 and C33 in April 2003 (as described in Section 4.2.2) in an effort to reassess the limits of contamination. Laboratory results suggested that the contamination did not extend beyond the test trench sample locations. Analytical results collected during the excavation of the test trenches are included in Appendix B Table 2.

Excavation activities continued in grid areas C12, C22, C23 and C33 to remove the remaining soil that contained VOC concentrations above the RAOs. To complete the excavation of contaminated soils in these grid areas, the SCIENTECH field crew had to remove the soils in "steps". The "steps" provided stabilization of the excavation walls as the depth of the excavation became greater than 10' below ground surface. The first "step" was excavated to approximately 4' deep where confirmation samples were then collected around the excavation limits. When laboratory results indicated that the confirmation samples at the 1-4' depth contained VOC concentrations below the RAOs, this material was removed. The next "steps" were excavated to approximately 8' below ground surface and then down to 10-12' below ground surface. Confirmation samples were then collected at depths of 5-7' and 8-10' around the walls of the excavation limits. Confirmation floor samples were also collected in grid areas C13, C22, C23, and C33 at depths ranging from 10-14' below ground surface. Confirmation floor samples were not required by the on-site NYSDEC Region 9 representative in the area south of grid zones C11, C12 and C13 as a result of the soil being excavated down to bedrock. The approximate limits of the area excavated to bedrock are shown in Appendix A Figure 4

Excavation activities in Area C were completed on May 22, 2003 based on confirmation sample results. Confirmation sample locations for Excavation Area 1 and Excavation Area 2 can be found in Appendix A Figure 4. Analytical results of the confirmation samples collected from Excavation Areas 1 and 2 are included in Appendix B Tables 3 and 4.

4.2.2 Supplemental Test Trench Investigation

In an effort to reassess the limits of contamination in Area C, SCIENTECH advanced a number of additional test trenches in the vicinity of grid zones C12, C23 and C33 in the southwest corner of Excavation Area 2 during the month of April 2003. The five test trenches were advanced in this area in order to provide estimates regarding the amount of material with VOC concentration above the RAOs remaining in place.

The five test trenches (A-E, see Appendix A Figure 4) were excavated with a tracked excavator perpendicular to the excavation faces with the exception of test trench C. Based on available data and the excavation limits at the time, beginning test trench C approximately 50 feet southwest of MW-11A provided a more accurate estimate of the limits of contamination. Samples were collected approximately 10 feet and 20 feet from the beginning of the test pit at three different depths (3', 7' and 12' deep). Samples collected from the 3' depth were a composite of the two walls and floor. The SCIENTECH field crew, being careful to select representative material and not material from previous excavations, took samples collected from the 7' and 12' depths directly from the excavator bucket.

The SCIENTECH field crew collected soil samples according to the SCIENTECH, Inc. SOP for collecting soil samples. Material was collected in glass 4-ounce amber jars as well as sealable plastic bags. Material in the plastic bags was analyzed with a PID for the presence of Volatile Organic Vapors in the headspace. All samples were sent to a New York State Certified Laboratory (Spectrum Analytical) to be analyzed for the presence of VOCs using EPA-method 8260.

Laboratory results from the test pits suggested that the extent of contamination did not extend beyond the test pit sample locations. Of the 24 samples collected, only one sample (T-A10-12) contained VOC concentrations above (trichloroethene at 3,500 ppb) the RAOs. Analytical results of the samples collected during the excavation of the test trenches are included in Appendix B Table 2.

4.2.3 Excavation Confirmation Sampling

SCIENTECH personnel performed confirmation soil sampling within the excavations in Area C in accordance with the SCIENTECH, Inc. standard operating procedures (SOP) for soil sampling. Samples were also collected under the supervision of a NYSDEC Region 9 representative with the sampling locations selected in coordination with the Region 9 representative. Representative samples were collected from the excavation faces and floor by placing material in an amber 4-ounce glass jar as well as placing some material in a sealable plastic bag. Material collected in the plastic bags was analyzed for the presence of Volatile Organic Vapors in the headspace using a PID. Material in the plastic bags was also periodically analyzed for the presence of trichloroethene and Vinyl chloride with the use of Dräger sampling tubes. All soil samples were sent to a New York State Certified Laboratory (Spectrum Analytical) to be analyzed for the presence of VOCs using EPA-method 8260. Confirmation soil samples collected in grid areas C22 and C33 following the discovery of the waste containers were also analyzed for total lead. All soil samples collected in the vicinity of the waste containers were below the RCRA Hazardous Waste Characteristic TCLP lead threshold (5,000 ug/l). Analytical results of the confirmation samples collected from Excavation Areas 1 and 2 are included in Appendix B Tables 3 and 4.

In order to confirm that excavation confirmation sample data was valid, SCIENTECH contracted Data Validation Services (DVS) of North Creek, NY. DVS reviewed data for all perimeter samples and prepared a Data Usability Summary Report (DUSR). The DUSR was prepared in accordance with NYSDEC requirements. The report indicates that all data is valid and usable to confirm closure of excavations 1 and 2. A copy of the DUSR is included in Appendix D.

4.3 SOIL AND WASTE HANDLING

4.3.1 Soil Stockpiles

The Supplemental Soil Removal Remedial Action Work Plan called for the excavated soil to be placed in soil stockpiles within staging areas on the asphalt parking area south of Area C. To limit flow of surface runoff in the staging areas, berms were constructed in a "C" shape with excavated overburden covered in 6-mil polyethylene sheeting. All soil stockpiles were covered with 6-mil polyethylene sheeting while awaiting landfill disposal or remediation to limit the migration of soils from wind and stormwater runoff. The polyethylene sheeting covering the soil stockpiles was secured with sandbags, tires and pallets. Following excavation using the tracked excavator, soil was placed into site stockpiles and subsequently managed and moved as necessary using a front-end loader.

As the SCIENTECH field crew continued with implementation of the Supplemental Soil Removal Remedial Action Work Plan in January 2003, the amount of material being excavated exceeded the original estimates in the Work Plan. As a result, excavated material was also staged on the asphalt parking area north of Area C. Material was staged in the southeastern corner of the north parking area, adjacent to the wooded swamp area to the south and the cemetery to the east.

As the amount of material being excavated continued to increase, the amount of asphalt parking area to stage the soils became limited. To increase the amount of staging area space, the protective berms were removed so stockpiles could be placed closer together in a more organized fashion. To limit the migration of soils from stormwater runoff, hay bales and sandbags were placed around catch basins in the north and south parking areas.

4.3.2 Soil Stockpile Sampling

Waste characterization soil samples were collected from soil stockpiles by SCIENTECH in accordance with the SCIENTECH, Inc. standard operating procedures (SOP) for soil sampling. Waste characterization samples were also collected under the supervision of a NYSDEC Region 9 representative. All soil stockpile samples were sent to a New York State Certified Laboratory (Spectrum Analytical) and analyzed for the presence of VOCs using EPA-method 8260. The Media Piles (MP1 - MP10) and Segregated Container Piles (SCP1 and SCP2) were analyzed for the presence of VOCs as well as 8 RCRA metals TCLP. To determine the proper landfill disposal option, some soil stockpiles also required TCLP analysis for Vinyl chloride and trichloroethene following VOC analysis.

Soil stockpiles were sampled by splitting the piles lengthwise with an excavator. Representative material was then collected from several locations on both of the exposed faces in the soil stockpile and submitted for analysis as a single composite soil sample. Material was collected in glass 4-ounce amber jars for VOC and TCLP analysis. Material was collected in 8-ounce clear jars for 8 RCRA metals TCLP analysis. Material was also collected in sealable plastic bags and analyzed with a PID for the presence of Volatile Organic Vapors in the headspace. Analytical results of waste characterization samples collected from stockpiles and media piles are included in Appendix B Tables 5 and 6.

In the spring of 2003, research was conducted into the proper waste characterization of the material in the soil stockpiles at the site containing elevated concentrations of vinyl chloride. Research concluded that the presence of vinyl chloride above TCLP thresholds would cause the material to be characterized as a RCRA characteristic waste; however, concentrations above the NYS vinyl chloride contained-in TAGM would not cause the material to be considered a listed waste. This conclusion was reached based on the understanding that vinyl chloride was not a constituent in the material originally deposited at the site but was created through the natural degradation of TCE to cis and trans 1,2 DCE and then to vinyl chloride. Based on these conclusions, material with vinyl chloride concentrations above the TCLP thresholds was characterized and disposed of as a characteristic RCRA hazardous waste. Material that contained vinyl chloride concentrations below these thresholds was considered a non-RCRA waste and disposed of at Modern Landfill Inc.

4.3.3 Ex-Situ SVE Soil Pile Construction and Operation

The Supplemental Soil Removal Remedial Action Work Plan dated September 25, 2002 included provisions for the on-site treatment of soils with VOC concentrations above the NYSDEC contained-in TAGM thresholds or the RCRA Land Disposal Restriction (LDR) thresholds. The selected remedial approach was the construction of an ex-situ Soil Vapor Extraction (SVE) soil treatment pile that was constructed in December of 2002. Approximately 850 tons of material excavated from Area C with VOC concentrations above the NYSDEC contained-in TAGMs was placed in the SVE soil treatment pile.

The SVE soil treatment pile was constructed adjacent to the central treatment trailers that housed the vacuum blowers, the air sparging compressor and the water treatment system. The SVE soil treatment pile was constructed with a stone base underlain by 6-mil polyethylene sheeting to prevent any leaching of contaminants from the soil. Perforated SVE pipes were placed approximately 3 feet from the top of the pile and air-sparging lines were installed approximately 2 feet from the base of the pile. The portion of the SVE system originally used to draw vapors from Areas A and B was used to draw vapors from the soil treatment pile and the second blower unit was used to supply sparging air to the treatment pile. The soil treatment pile was covered with two layers of 6-mil polyethylene sheeting secured with hay bales and tires. The treatment pile was operated from late January 2003 until February 26, 2003 when soil samples were collected from the pile in order to determine whether VOC concentrations had dropped below the contained-in TAGM thresholds.

4.3.4 Ex-Situ SVE Soil Pile Sampling

The SCIENTECH field crew collected soil samples from the SVE soil treatment pile (February 26, 2003) in accordance with SCIENTECH's SOP for soil sampling, in accordance with the revised soil sampling plan and under the supervision of a NYSDEC Region 9 representative. Samples collected from the SVE soil treatment pile were sent to a New York State Certified Laboratory (Spectrum Analytical) to be analyzed for the presence of VOCs using EPA-method 8260 and TCLP for Vinyl chloride and trichloroethene. Material was collected in glass 4-ounce amber jars for VOC and TCLP analysis. Material was also collected in sealable plastic bags to determine the amount of Volatile Organic Vapors in the headspace of the plastic bag.

Soil samples were collected from five separate borings distributed throughout the top of the SVE soil treatment pile. Samples were collected with the use of a gas-powered auger to advance boreholes to approximately 3' where an initial sample was collected, and then down to 6' deep where a second sample was collected in an effort to ensure that deeper vertical intervals were sampled. Once the depths were achieved in each borehole, samples were then collected using a split spoon hand auger. For each borehole, material was collected from the two depths and submitted for analysis as a single composite sample. Both the gas-powered auger bits and the split spoon hand auger were decontaminated prior to advancing boreholes and collecting samples in accordance with the SCIENTECH, Inc. SOP for decontamination of equipment.

Laboratory results indicated that the average VOC concentration of each applicable constituent in the five samples collected was below the contained-in TAGM thresholds and suitable for disposal at Modern Landfill Inc., in Model City, New York. Material from the SVE soil treatment pile was transported to Modern Landfill on March 28, 2003. Analytical results of samples collected from the SVE soil pile are included in Appendix B Table 7.

4.3.5 Optional Remedial Alternatives

In the spring of 2003, SCIENTECH began exploring optional remedial alternatives to treat the increased amount of material being excavated from Area C. An estimated 9,500 tons of material was excavated from Area C from October 2002 through May 2003. Of the estimated 9,500 tons, approximately 4,000 tons was transported to Modern Landfill Inc., in Model City, New York periodically between January and March 2003. Following the completion of excavation activities in Area C in May 2003, an estimated 5,040 tons of material remained on-site. Based on the large amount, high moisture content and high clay content of material remaining on site, SCIENTECH initiated the research into optional remedial alternatives that might be used in lieu of the originally planned on-site SVE soil pile treatment and off-site disposal approach. The various treatment alternatives that were considered included screening/shredding, Low Temperature Thermal Desorption, treatment pile with SVE, ex-situ infrared thermal treatment and direct landfill disposal.

4.3.5.1 Soil Shredding Pilot Test

A pilot test to explore the possible use of soil shredding as a remedial approach was conducted on June 18-20, 2003. Material was shredded using an ALLU screener-crusher attachment for a rubber-tired loader. Four stockpiles (Consolidated pile A, NH-32, NH-37 and NH-67) that best represented the wide range of TCE concentrations in the excavated material were selected for testing. Laboratory data from the soil samples collected following the shredding process suggested that this option would not be successful in reducing VOC concentrations in the contaminated soil to the TAGM concentrations or to the RAOs. The treatment time for this option was also much longer than anticipated due to the high clay and moisture content of the material being shredded.

Analytical results of soil samples collected during the pilot test are included in Appendix B Table 8.

Air monitoring was conducted during the pilot test in accordance with the New York State Department of Health Generic Community Air Monitoring Plan to monitor for VOCs and particulates. In addition to the required plan, SCIENTECH collected air samples using summa vacuum canisters and analyzed the samples for the presence of VOCs using EPA method TO-14 by Spectrum Analytical, Inc. in Agawam, MA. There were no air quality exceedances for VOCs or particulate concentrations during the pilot test. Analytical results of air quality samples along with particulate monitoring data are included in Appendix B Tables 9 and 10.

4.3.5.2 Soil Stockpile Re-sampling

During August 2003, SCIENTECH continued to explore the various soil remediation alternatives including soil treatment versus landfill disposal of the approximately 5,040 tons of excavated soil remaining at the Site. After thoroughly exploring the various treatment options, SCIENTECH concluded that landfill disposal along with re-sampling of several soil stockpiles would provide the most effective remedial approach.

SCIENTECH, with approval from the NYSDEC, selected and completed the re-sampling of several soil stockpiles on September 3, 2003. The soil stockpiles that were re-sampled were MP-1, consolidated Group F (NH14, NH-15, NH-17, NH-18A), NH-32, NH-55, and NH-67. Prior to sampling, consolidated Group F was separated into the original four stockpiles based on previous yardage estimates and visual observations. Samples collected from stockpiles in Group F and NH-32 were analyzed for total VOCs and TCLP trichloroethene. Stockpile NH-18A was also analyzed for TCLP vinyl chloride. Stockpiles NH-55 and NH-67 were sampled for TCLP vinyl chloride and TCLP trichloroethene respectively. Samples were analyzed for TCLP trichloroethene and vinyl chloride based on previous stockpile sample results that contained total VOC concentrations above the 20 X TCLP hazardous waste thresholds. Results from the sampling event indicated that VOC concentrations in all piles sampled were below the TAGM contained-in thresholds as well as the RCRA characteristic thresholds.

After reviewing the laboratory data from the re-sampling efforts in September 2003, SCIENTECH proposed to re-sample consolidated Group E (MP-2, MP-3, MP-6 and MP-8) as one pile on October 14, 2003. Stockpiles in consolidated Group E contained TCLP lead concentrations above the lead hazardous threshold (5,000 ug/l), but re-sampling of the stockpile indicated that VOC concentrations had dropped below the LDR and TAGM thresholds. As a result it was determined that the material could be transported to the Waste Management Inc. CWM Chemical Services Landfill in Model City, New York. Analytical results of samples collected during the re-sampling of the previously noted media piles and stockpiles in September and October 2003 are included in Appendix B Table 12.

Waste characterization soil samples were collected from the re-sampled soil stockpiles by SCIENTECH in accordance with the SCIENTECH, Inc. standard operating procedures (SOP) for soil sampling. Waste characterization samples were also collected under the supervision of a NYSDEC Region 9 representative. All soil stockpile samples were sent to a New York State Certified Laboratory (Spectrum Analytical) to be analyzed for the presence of VOCs using EPA-method 8260 as well as TCLP analysis for trichloroethene and vinyl chloride. Soil stockpiles were sampled by splitting the piles lengthwise with an excavator. Representative material was then collected from several locations on both of the exposed faces in the soil stockpile and submitted for analysis as a single composite soil sample. Material was collected in glass 4-ounce amber jars for VOC and TCLP analysis. Material was also collected in sealable plastic bags and analyzed with a PID for the presence of Volatile Organic Vapors in the headspace.

4.4 LANDFILL DISPOSAL

The Supplemental Soil Removal Remedial Action Work Plan dated September 2002 combined a series of remedial actions to address the portions of Area C with VOC concentrations above the RAOs. These actions included a combination of: excavation and off-site disposal, and excavation and supplemental on-site ex-situ treatment in a newly created Treatment Pile with the material treated in the Treatment Pile scheduled for off-site disposal. Waste characterization samples were collected from the media piles and soil stockpiles to determine the off-site solid waste landfill disposal options. The excavated material was disposed of at three solid waste landfills; Modern Landfill Inc. in Model City, New York, Waste Management Inc. CWM Chemical Services, L.L.C., in Model City, New York and Clean Harbors Environmental Services, Inc., Canadian Waste Services, Inc. Sarnia Landfill, Sarnia, Ontario Canada. Environmental due diligence auditing was performed at the Clean Harbors Canadian facility to ensure proper measures were taken to control environmental liabilities at the landfill. Trucking subcontractors who were contracted directly by the landfills performed transportation to each of the three landfills.

Authorization for disposal of material at Modern Landfill was coordinated with and approved by NYSDEC Region 9 personnel prior to transportation of each stockpile/treatment pile of material. Region 9 personnel reviewed laboratory analytical data from each soil pile to ensure that contaminant concentration were below TAGM contained-in, LDR and RCRA Characteristic thresholds. Following review and agreement by NYSDCE that concentrations were below these applicable thresholds, material was considered non-hazardous and acceptable for disposal at Modern Landfill.

While preparing for shipment of material to the Chemical Waste Management Model City facility in November 2003, SCIENTECH discovered that NYSDEC had initiated a new approval process designed to provide formal written authorization to "Determine" waste material non-hazardous based on compliance with the TAGM Contained-in soil action levels. Following conversations with Mr. Henry Wilkie and Mr. Daniel Evans of the NYSDEC Bureau of Hazardous Waste and Radiation Management, Hazardous Waste

Engineering Eastern Section, SCIENTECH received a formal "Contained-in Determination" for soils transported to Modern Landfill and the CWM Model City Landfill on November 5, 2003. A copy of the Determination is included in Appendix C.

A total of 6,766.2 tons (based on actual weights) of excavated material were disposed of at Modern Landfill Inc., Model City, New York, a non-hazardous solid waste landfill, on the following dates: November 27, 2002, December 16, 2002, January 8, 2003, January 9, 2003, February 6, 2003, February 7, 2003, March 18, 2003, March 28, 2003, March 31, 2003, October 14, 2003, October 15, 2003, October 16, 2003, October 17, 2003, October 20, 2003 and October 21, 2003. Material sent to Modern Landfill included approximately 850 tons of soil treated in the on-site SVE treatment cell. Weight Tickets for all material disposed of at Modern Landfill Inc. are included in Appendix F. Material disposed of at Modern Landfill Inc. contained total VOC concentrations above the RAOs but below the NYS TAGM contained-in-action thresholds.

A total of 400.48 tons (based on actual weights) of material were disposed of at the CWM Chemical Services, L.L.C., Model City, New York hazardous solid waste landfill on the following dates: November 6 and November 24, 2003. Manifests and weight ticket information for all material disposed of at CWM are included in Appendix F. Manifests include estimates of the tonnage carried by each truck; however, the total tonnage figures are based on actual weights provided by certified scales at the landfill. Material requiring disposal at CWM contained VOC concentrations of trichloroethene and Vinyl chloride above the RAOs and below the NYS TAGM contained-in-action thresholds but exceeded the TCLP lead hazardous threshold of 5,000 ug/l.

A total of 469.44 tons (based on actual weights) of material were disposed of at the Clean Harbors Environmental Services, Inc., Canadian Waste Services, Inc. hazardous solid waste Sarnia Landfill on the following dates: January 14, 2004, January 15, 2004 January 16, 2004 and January 19, 2004. Manifests and weight ticket information for all material disposed of at Clean Harbors Environmental Services, Inc., Sarnia Landfill are included in Appendix F. Manifests include estimates of the tonnage carried by each truck; however, the total tonnage figures are based on actual weights provided by certified scales at the landfill. Material requiring disposal at Sarnia Landfill contained VOC concentrations exceeding the NYS TAGM contained-in-action thresholds as well as the RCRA Land Disposal Restriction (LDR) thresholds.

A Summary Matrix showing the final disposition of all soil transported from the site is included in Appendix B Table 13.

5. SITE HEALTH AND SAFETY MONITORING

5.1 AIR QUALITY MONITORING

SCIENTECH used a combination of several air monitoring instruments to ensure the safety of the site workers and the surrounding public during excavation operations and associated activities at the Leica Inc. site. Air monitoring was conducted in accordance with the New York State Department of Health Generic Community Air Monitoring Plan to monitor for VOCs and airborne particulates along with the SCIENTECH, Inc. Supplemental Soil Removal Site Health and Safety Plan dated September 25, 2002.

5.1.1 VOC Monitoring and Actions

Volatile organic vapors in the immediate vicinity of the excavation were monitored using photoionization detectors (PID) and Dräger tubes periodically during excavation operations as material was exposed to the atmosphere. If the total organic vapors in the work area were detected above the 5 ppm action level for an extended period of time, work activities were temporarily stopped to monitor for specific VOCs with Dräger tubes. If no VOCs were detected with the Dräger tubes and the PID readings were below the given action level, excavation activities continued.

Excavation activities were halted on only one occasion when the given VOC action level was exceeded. On May 5, 2003, the SCIENTECH field crew detected volatile organic vapor levels of 0-130 ppm with a PID while excavating in grid areas C12 and C13. A Vinyl Chloride Dräger tube detected slightly less than 1 ppm in the ambient air surrounding the excavation. Excavation activities were discontinued until PID readings were below the 5 ppm action level and there was no further VOC detection with the Dräger tubes.

5.1.2 Particulate Monitoring and Actions

Airborne particulates were continuously monitored both upwind and downwind of the excavation and soil stockpiles visually and with the use of DustTrak monitoring instruments. The DustTrak instruments continuously monitored airborne particulate concentrations in mg/m^3 and logged the concentrations continuously in one-minute intervals so that a continuous data record could be available. If at any time during site activities the differential between the upwind monitoring station and the downwind monitoring station exceeded 0.15 mg/m^3 over a 15-minute averaging time, work activities were postponed until additional dust control measures were implemented. Dust control measures included; covering all excavated material after excavation activities were complete, restricting on-site vehicle speeds, along with applying water on haul roads, paved parking surfaces and earth moving equipment. The only instances were the airborne particulate threshold of 0.15 mg/m^3 over a 15-minute averaging time was exceeded were on November 11, 2002 during earth moving operations and on April 11, 2003 and April 17, 2003 during non-earth moving excavation activities. On each occasion, corrective measures were taken to reduce further particulate migration from the site and particulate concentrations were reduced to below the threshold. A summary of the DustTrak data collected during excavation operations is included in Appendix B Table 11.

5.1.3 Soil Shredding Pilot Test Air Quality Monitoring

PID instruments were operated periodically during the soil shredding pilot test. PID readings indicated there were no detectable concentrations of VOCs in the ambient air within approximately 50 to 100 feet of the shredding operation. In order to ensure that airborne VOC concentrations were below acceptable thresholds in the vicinity of any local receptors (local residents, cemetery workers, Samson employees) during the performance of the soil shredding pilot test, additional air sampling was performed at the site from June 18 to June 20, 2003. Suma air collection canisters were positioned upwind and downwind of the shredding operation and utilized to collect ambient air samples during the most aggressive parts of the testing operation. Canisters collected air during approximately 12 hours of the three-day operation. Canisters were returned to Spectrum Analytical following completion of the pilot test and analyzed for the presence of VOCs using EPA method TO-14.

EPA TO-14 analysis detected a limited number of VOCs at low concentrations; however, all concentrations were below New York State Department of Health Generic Air Monitoring Plan Short-term Guideline Concentrations (SGC) standards. TO-14 analyses are included in Appendix B Table 9.

Airborne particulates were also continuously monitored both upwind and downwind of the test operation utilizing DustTrak air particulate monitors. The particulate concentrations were below the 0.15 mg/m^3 averaging time at all times during the test operation. Air particulate monitoring results are included in Appendix B Table 10.

5.2 SOIL EXCAVATION

The Supplemental Soil Removal Remedial Action Work Plan called for the excavation of nine grid areas in Area C approximately 20' by 10' down to 4' deep. As a result of the excavated grid areas expanding beyond the originally planned limits, two separate excavation areas (Excavation Areas 1 and 2) were established. The increased size of the excavation areas could now be considered a confined space hazard (29 CFR 1910.146), depending on the local soil conditions. As a result, following the completion of excavation activities each day, the excavation areas were marked off with yellow "CAUTION" tape, barricade fencing and confined space permit required signs were posted.

6. BACKFILL AND SITE RESTORATION

6.1 BACKFILL

All imported backfill used at the site was purchased from Buffalo Crushed Stone, Inc. of Buffalo, NY. The material came from the Wehrle Quarry, Plant Number 23, which is located in Clarence, NY, a suburban area with historic use as farmland. Approximately 6,500 tons of imported "yard cleanup" material was used to backfill the excavation along with minor quantities of on-site materials including asphalt from the parking area and clean overburden material. The "yard cleanup" is composed of excess soil and rock material collected from the ground around the various rock crushing and material processing equipment at the Buffalo Crushed facility. The Buffalo Crushed Wehrle Quarry is known to be a source of clean virgin fill material and was approved for use as a source of backfill for the site by the NYSDEC project manager Greg Sutton. Copies of weight tickets are included in Appendix G.

The Supplemental Soil Removal Remedial Action Work Plan called for the backfilling of each excavated grid area to be completed once laboratory results confirmed that the average concentration of each applicable constituent in the five samples was below the established RAO.

As the excavation of each of the nine grid areas in Area C increased beyond the originally planned limits, the nine excavation grid areas became two separate excavation areas, Excavation Area 1 and Excavation Area 2. With the excavation areas expanding beyond the originally planned limits, dewatering of the excavations became necessary. To try and minimize dewatering of the excavation, the excavated grid areas were backfilled as soon as possible following NYSDEC Region 9 approval of confirmation sample results.

The backfilling of Excavation Area 2 began on January 6, 2003 in grid areas C44 and C45 followed by additional grid areas C43, C53 and C63. It was necessary to backfill grid areas C44 and C45 first because of the depth of the excavation (approximately 12' deep) and because it was critical to replace the access road to the southern parking area in Area C. Partial backfilling of Excavation Area 2 continued on February 14, 2003 in grid areas C21, C22, C31 and C32. Excess backfill from the completed grid areas was used to backfill Excavation Area 1. Clean backfill supplied by Buffalo Crushed Stone, Inc. of Buffalo, New York along with asphalt removed prior to excavating the grid areas was used to backfill the excavation. Approximately 2,000 tons of material was imported at this time.

Following the completion of excavation activities in Excavation Area 2 and while SCIENTECH was researching optional remedial alternatives, the remaining grid areas were backfilled to within six feet of the ground surface. Partial backfilling of the excavation reduced the risk of any fall hazards and also allowed SCIENTECH to demobilize the dewatering pump and tank. Once this partial backfilling was completed, the backfilling operation was suspended pending the results of the optional remedial alternatives research and the possible use of remediated soil as backfill. Correspondence from NYSDEC Region 9 personnel dated December 3, 2002, December 20, 2002, January 10, 2003, June 02, 2003 and November 13, 2003 confirm that, based on the excavation face sample results, it was acceptable to backfill the excavations in the various areas. Copies of these email correspondences are included in Appendix C.

Backfill from previously backfilled grid areas was graded into grid areas C21, C22, C31 and C32 along with additional asphalt removed prior to excavation in Area C. The approximately 470 tons of excavated soils that contained VOC concentrations below the RAOs were also proposed as backfill. Waste characterization soil samples were collected from these soil stockpiles (NH-34, NH-43, NH-44, NH-46, NH-48, and NH-57) and following review of the analytical results, the NYSDEC Region 9 approved the use of the material as backfill. Analytical results of waste characterization samples collected from the stockpiles with VOC concentrations below the RAOs are included in Appendix B Table 5.

After it was determined that solid waste landfill disposal of the material remaining on-site was the most effective option and thus eliminating the possibility of using this material as backfill, backfilling of the remainder of the excavations in Area C was initiated with approximately 4,600 tons of additional imported fill on November 26, 2003. Additional clean backfill supplied by Buffalo Crushed Stone, Inc. was used to complete the backfilling in Area C. Area C was backfilled to within 12 inches of the original grade.

6.2 SITE RESTORATION

The SCIENTECH field crew continued to maintain and restore the areas disturbed during and following the excavation of contaminated soils in Area C. Activities included the backfilling of the excavated grid areas to within approximately one foot of the original grade. Additional backfill will be placed in the area in the future in order to bring the finished surface flush with original grade in order to ensure that surface water runoff will flow freely across the area and into the wetland. Other activities included repairing the protective manholes and caps protecting groundwater-monitoring wells affected by excavation activities, cleaning of the asphalt parking areas, and restoring grassed areas. Parking lot sweepings were tested and transported for appropriate off-site disposal.

7. CONCLUSIONS

Soils in Area C were excavated and removed as described above at the Leica Inc. Site, located at the intersection of Eggert Road and Sugar Road in the Town of Cheektowaga, Erie County, New York. A total of 8,106 tons of soil (based on actual weight) were excavated from Area C between October 29, 2002 and May 22, 2003. Of the 8,106 tons of excavated soil, 7,636 tons contained VOC concentrations above the RAOs and the remaining 470 tons of soil contained VOC concentrations below the RAOs.

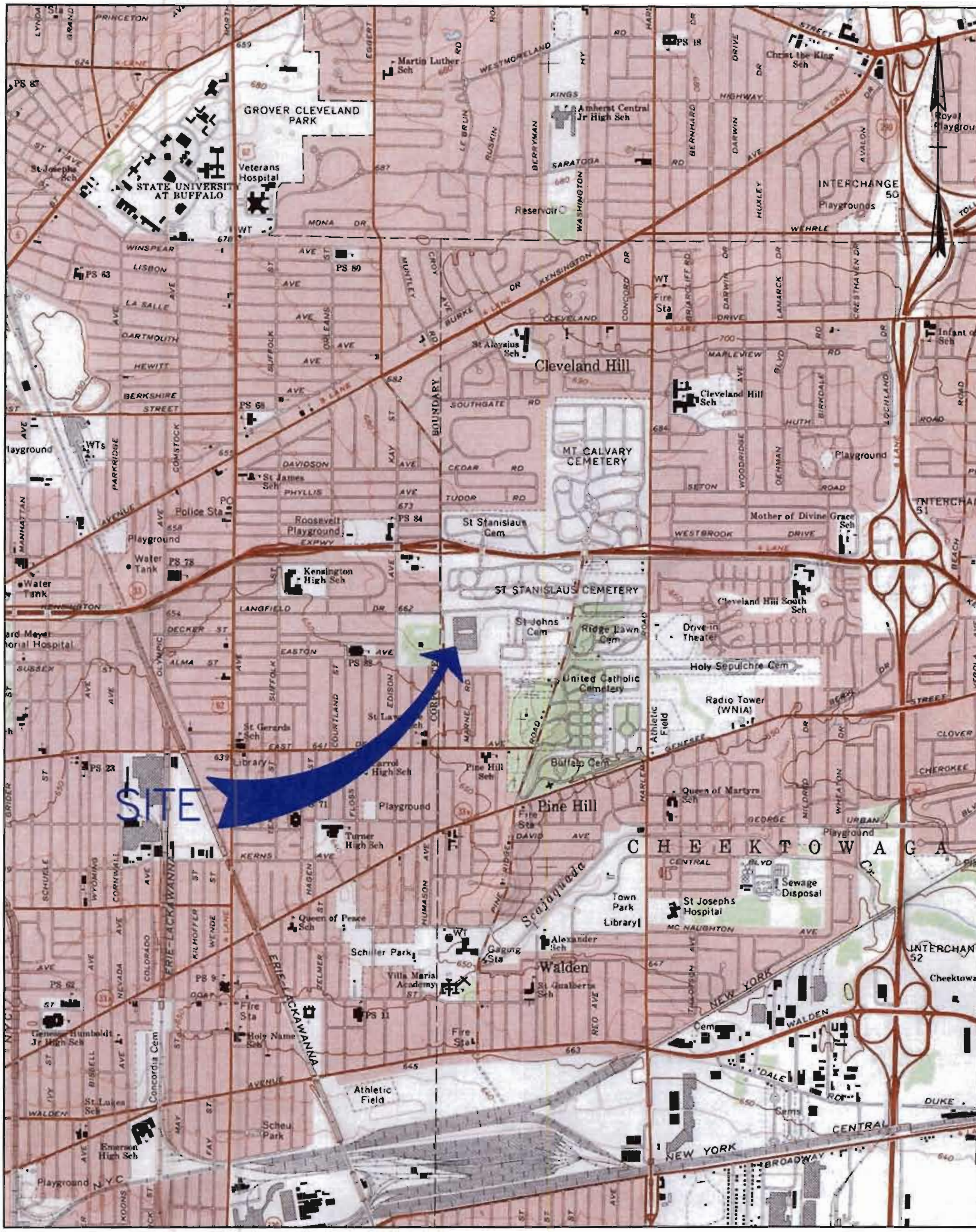
Excavation activities occurred in two separate excavation areas (Excavation Areas 1 and 2) in Area C (See Figure 4). Following the excavation of contaminated soils, confirmation samples were then collected from the excavation faces and floor to be submitted to a New York State Certified Laboratory (Spectrum Analytical) for analysis. Each excavation area was determined to be complete when the parameter concentration averages of the confirmation samples collected within an excavation area were below the RAOs and NYSDEC Region 9 confirmation/approval was received. Eight confirmation samples were collected from Excavation Area 1 and fifty-eight confirmation samples were collected from Excavation Area 2 and used to calculate the parameter concentration averages for excavation closure. Confirmation samples indicated that the remaining soils at the perimeter of Excavation areas 1 and 2 are in compliance with the RAOs. Confirmation floor samples were not collected from an area south of grid zones C11, C12, and C13 because the excavation was advanced to bedrock in this area.
The soils excavated from Area C were stockpiled on the asphalt parking areas at the Leica Inc. site and covered with polyethylene sheeting following the collection of waste characterization samples. Laboratory results along with NYSDEC Region 9 approval determined the proper landfill disposal option for the excavated material. The excavated material was disposed of at the following landfills; Modern Landfill Inc., Model City, New York, Waste Management Inc. CWM Chemical Services, L.L.C., in Model City, New York and Clean Harbors Environmental Services, Inc., Canadian Waste Services, Inc. Sarnia Landfill, Sarnia, Ontario Canada.

Following the completion of excavation and backfilling activities in Area C, the SCIENTECH field crew dismantled and demobilized all non-essential above grade equipment from the Leica Inc. Site.

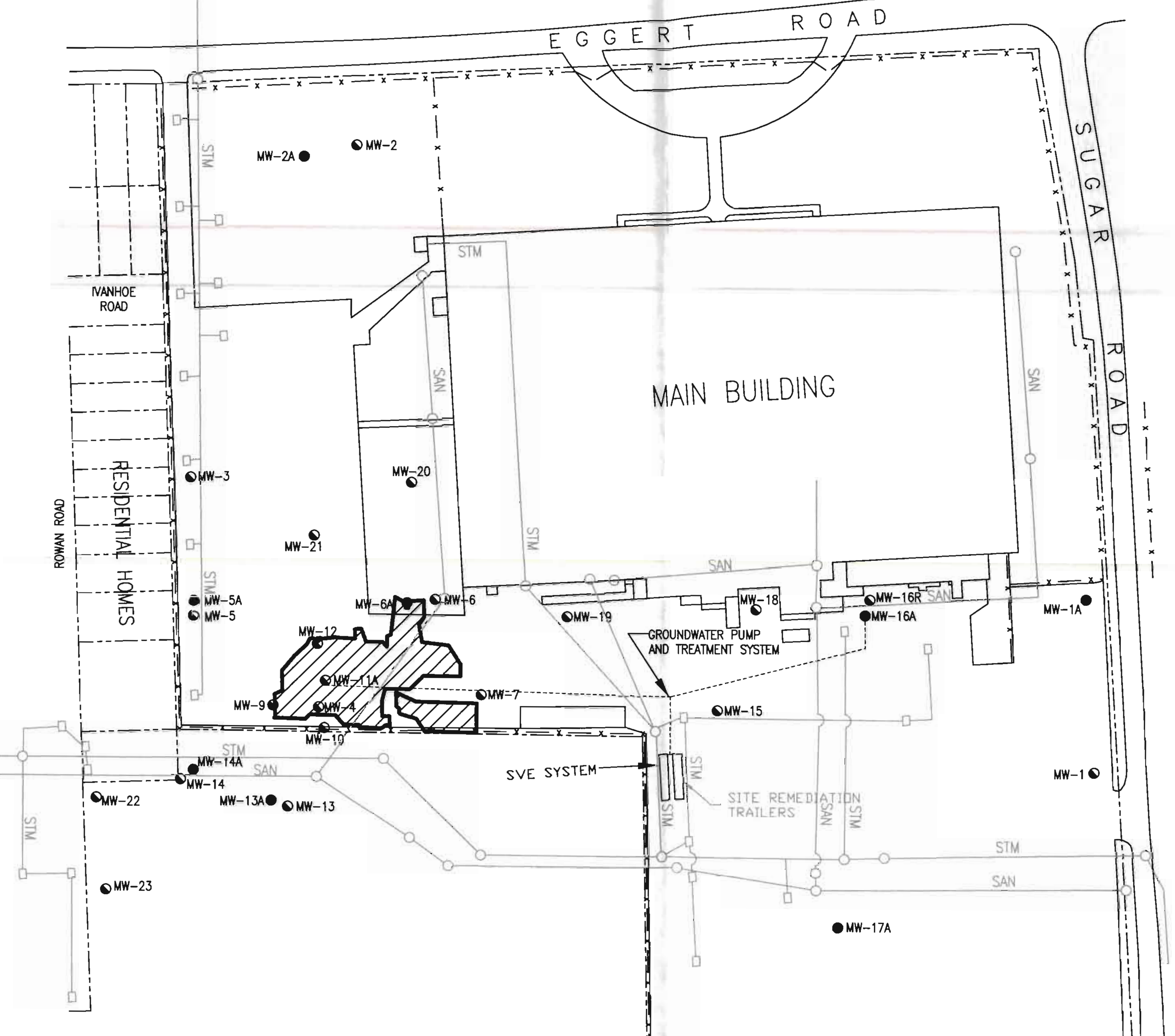
As indicated in Section 3, the DVE system operation in Areas A and B was discontinued in July of 2002 based on laboratory analysis of soil samples collected from these areas. These results indicated that the concentrations of all Contaminants of Concern (COCs) were below the RAOs in these two areas. In addition, based on the laboratory analysis of excavation confirmation samples presented in this report, the soil remediation in Area C is also complete and the concentrations of COCs in all remaining soils are below the RAOs. Based on these results, Leica requests written notification that indicates no further action is need for soils in each of these three areas of concern including Area A, Area B, and Area C.

Appendix A

Figures



DOCUMENT CONTROL NO.	PROJECT	LEICA MICROSYSTEMS, INC. EGGERT AND SUGAR ROADS CHEEKTOWAGA, NEW YORK	SCIENTECH SCIENTECH, Inc. THE BLEACHERY 143 WEST STREET NEW MILFORD, CT 06776 (860) 210-3000	PROJECT #: 3948-100 FILENAME: 3948100CS SCALE: N.T.S DATE: 02/24/04 BY: DT CK: RM
REVISION NO.	DRAWING	VICINITY MAP		FIGURE # 1



LEGEND:

- EXCAVATION LIMITS
- PROPERTY LINE
- — x — FENCE
- MW-15 OVERBURDEN MONITORING WELL

REVISION NO.

PROJECT: LEICA MICROSYSTEMS, INC.
EGGERT & SUGAR ROADS
CHEEKTOWAGA, NEW YORK

DRAWING: SITE PLAN

SCIENTECH

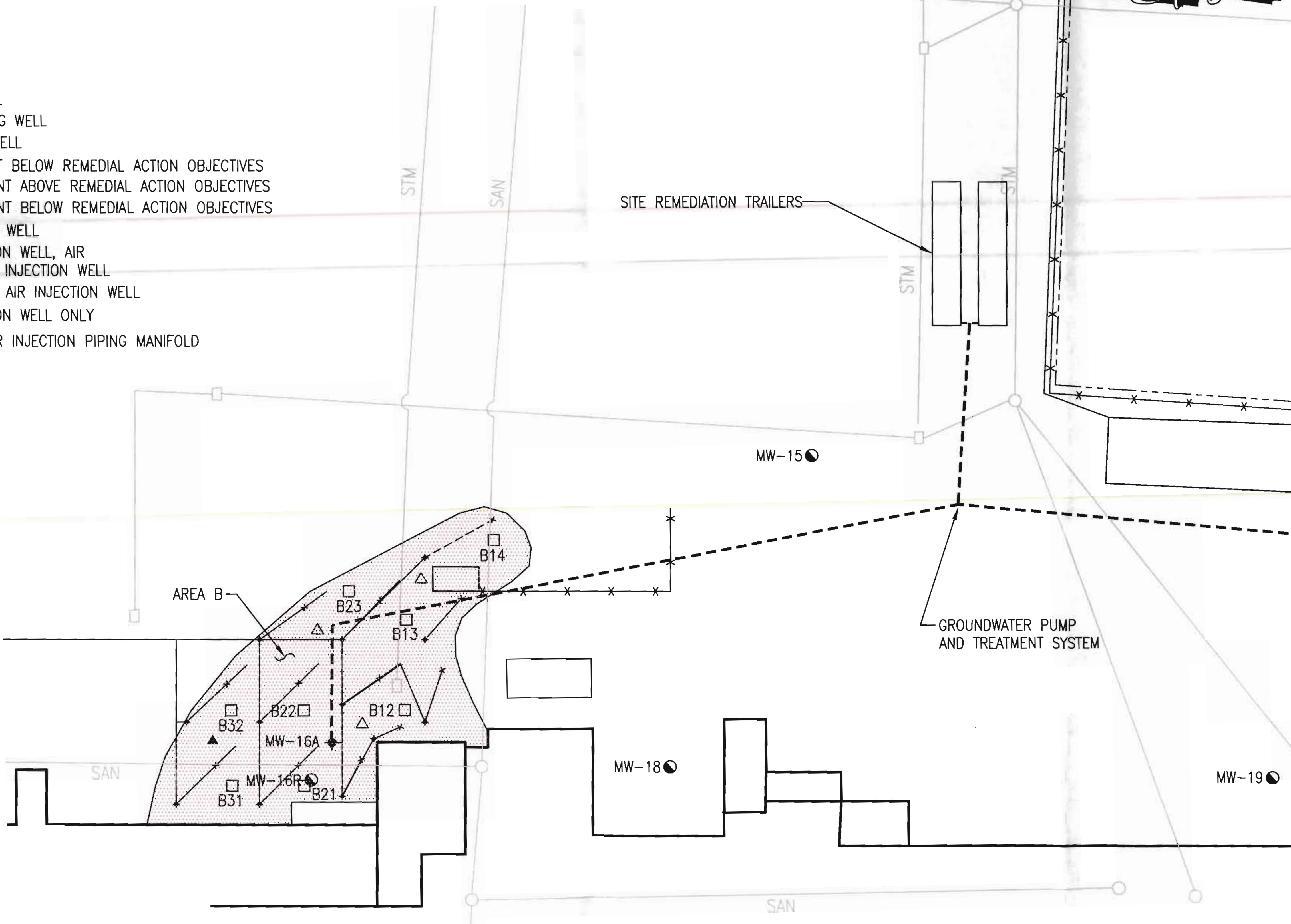
SCIENTECH, Inc.
THE BLEACHERY
143 WEST STREET
NEW MILFORD, CT. 06776
(860) 210-3000

PROJECT NO.: 3948-100

FILE NAME: 3948100-G

SCALE: 1/2" =70'

DATE: 02/24/04



REVISION NO.

PROJECT

LEICA, INC.
EGGERT & SUGAR ROADS
CHEEKTOWAGA, NEW YORK

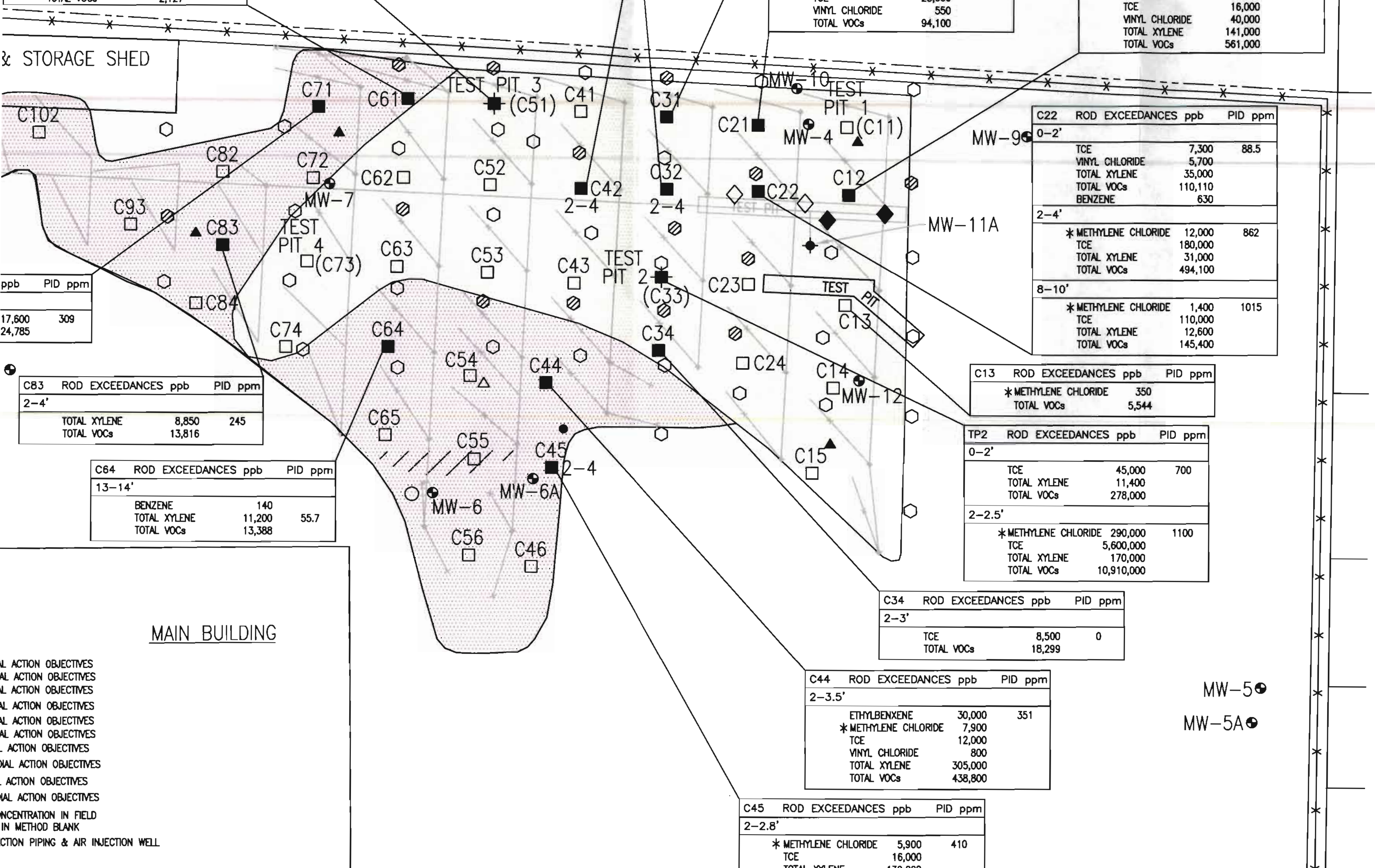
DRAWING

INTERIM CLOSURE
SAMPLING LOCATIONS – AREAS A & B

SCIENTECH

SCIENTECH, Inc.
THE BLEACHERY
143 WEST STREET
NEW MILFORD, CT. 06776
(860) 210-3000

PROJECT NO.: 31128-450
FILE NAME: 31128A



TOTAL VOCs	400,400	

C61	ROD EXCEEDANCES ppb	PID ppm
0-2'		
TOTAL XYLENE	7,700	39.7
TOTAL VOCs	14,243	
12-13.5'		
TCE	1,500	
TOTAL VOCs	2,127	

TOTAL XYLENE	14,700	
TOTAL VOCs	291,200	

C42	ROD EXCEEDANCES ppb	PID ppm
2-4'		
* METHYLENE CHLORIDE	760	13.2
TOTAL VOCs	5,830	

TCE	470,000	
TOTAL XYLENE	119,000	
TOTAL VOCs	1,386,600	

C21	ROD EXCEEDANCES ppb	PID ppm
0-2'		
* METHYLENE CHLORIDE	930	16.5
TCE	23,000	
VINYL CHLORIDE	550	
TOTAL VOCs	94,100	

C12	ROD EXCEEDANCES ppb	PID ppm
0-2'		
TOTAL XYLENE	17,700	58
TOTAL VOCs	31,115	
2-2.5'		
ETHYLBENZENE	25,000	62.3
TOLUENE	24,000	
TCE	16,000	
VINYL CHLORIDE	40,000	
TOTAL XYLENE	141,000	
TOTAL VOCs	561,000	

C22	ROD EXCEEDANCES ppb	PID ppm
0-2'		
TCE	7,300	88.5
VINYL CHLORIDE	5,700	
TOTAL XYLENE	35,000	
TOTAL VOCs	110,110	
BENZENE	630	
2-4'		
* METHYLENE CHLORIDE	12,000	862
TCE	180,000	
TOTAL XYLENE	31,000	
TOTAL VOCs	494,100	
8-10'		
* METHYLENE CHLORIDE	1,400	1015
TCE	110,000	
TOTAL XYLENE	12,600	
TOTAL VOCs	145,400	

	ppb	PID ppm
	17,600	309
	24,785	

C13	ROD EXCEEDANCES ppb	PID ppm
* METHYLENE CHLORIDE	350	
TOTAL VOCs	5,544	

C83	ROD EXCEEDANCES ppb	PID ppm
2-4'		
TOTAL XYLENE	8,850	245
TOTAL VOCs	13,816	

TP2	ROD EXCEEDANCES ppb	PID ppm
0-2'		
TCE	45,000	700
TOTAL XYLENE	11,400	
TOTAL VOCs	278,000	
2-2.5'		
* METHYLENE CHLORIDE	290,000	1100
TCE	5,600,000	
TOTAL XYLENE	170,000	
TOTAL VOCs	10,910,000	

C64	ROD EXCEEDANCES ppb	PID ppm
13-14'		
BENZENE	140	
TOTAL XYLENE	11,200	55.7
TOTAL VOCs	13,388	

C34	ROD EXCEEDANCES ppb	PID ppm
2-3'		
TCE	8,500	0
TOTAL VOCs	18,299	

C44	ROD EXCEEDANCES ppb	PID ppm
2-3.5'		
ETHYLBENZENE	30,000	351
* METHYLENE CHLORIDE	7,900	
TCE	12,000	
VINYL CHLORIDE	800	
TOTAL XYLENE	305,000	
TOTAL VOCs	438,800	

C45	ROD EXCEEDANCES ppb	PID ppm
2-2.8'		
* METHYLENE CHLORIDE	5,900	410
TCE	16,000	
TOTAL XYLENE	139,000	

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REVISION NO.

PROJECT
LEICA, INC.
EGGERT & SUGAR ROADS
CHEEKTOWAGA, NEW YORK

DRAWING
INTERIM CLOSURE
SAMPLING RESULTS-AREA C

SCIENTECH
SCIENTECH, Inc.
THE BLEACHERY
143 WEST STREET
NEW MILFORD, CT. 06776
(860) 210-3000

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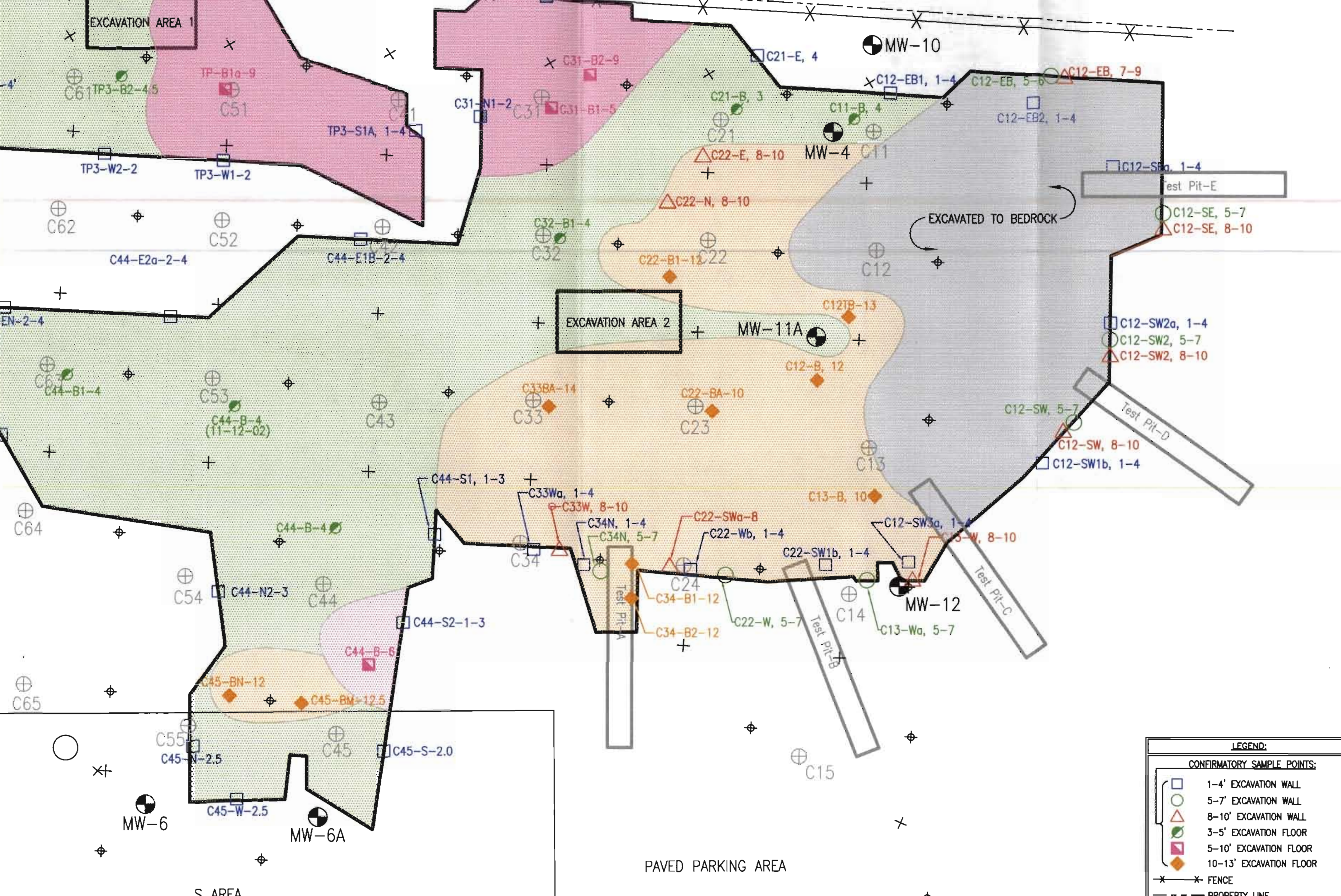

PROJECT: LEICA MICROSYSTEMS, INC.
EGGERT & SUGAR ROADS
CHEEKTOWAGA, NEW YORK

DRAWING: LIMITS OF SOIL EXCAVATION IN AREA C

SCIENTECH
SCIENTECH, Inc.
THE BLEACHERY
143 WEST STREET
NEW MILFORD, CT. 06776
(860) 210-3000

PROJECT # 31128-450-001
FILENAME: 31128450001_A

Appendix B

Tables

Prepared By: CV
Date: 5/30/02
Checked By: MGB
Date: 5/30/02

SCIENTECH, Inc.

Table 1
Sample Results for
Interim Closure Sampling Investigation
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			C12,0-2'	C12,2-2.5'	C12,8-9.3	C13,2-4	C13,9.4-10'	C14,0-2'	C14,2-4'	C15,2-4'	C21,0-2	C21,2-4'
Lab Sample Number:	Fill	Clay	Sandy Silt	02050071-25	02050071-01	02050071-02	02050071-03	02050071-04	02050071-24	02050071-05	02050071-06	02050071-23	02050071-07
Date Sampled:				4/30/02	4/30/02	4/30/02	4/30/02	4/30/02	4/30/02	4/30/02	4/30/02	4/30/02	4/30/02
Dilution Factor:				50	250	5	5	50	5	5	5	500	10
Volatile Organic Compounds (ug/l)													
Acetone				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Benzene	232	87	116	<50	<250	5	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Bromodichloromethane				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Bromoform				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Bromomethane				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
2-Butanone (MEK)				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Carbon Disulfide				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Carbon Tetrachloride				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Chlorobenzene				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Chloroethane				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Chloroform				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Chloromethane				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Dibromochloromethane				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
1,1-Dichloroethane	600	225	300	<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
1,2-Dichloroethane	280	105	140	<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
1,1-Dichloroethene				<50	640	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
1,2-Dichlorobenzene				<50	<250	<5.0	33	550	<5.0	<5.0	<5.0	<500	<10
1,2,4-Trimethylbenzene				1,700	11,000	59	<5.0	69	5	<5.0	<5.0	<500	<10
cis-1,2-Dichloroethene				390	270,000 J	830	750	2,500	63	<5.0	<5.0	57,000	990
trans-1,2-Dichloroethene				130	5,500	23	6	<50	23	<5.0	<5.0	620	10
1,2-Dichloropropane				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
1,3,5-Trimethylbenzene				1,200	6,800	86	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
cis-1,3-Dichloropropene				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
trans-1,3-Dichloropropene				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Ethylbenzene	22,000	8,250	11,000	2,800	25,000	110	<5.0	<50	<5.0	<5.0	<5.0	<500	41
2-Hexanone				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Isopropylbenzene				360	1,900	16	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Methylene Chloride	420	158	210	120 U	910 U	28 U	26 U	350 U	26 U	23 U	31 U	930 U	83 U
4-Methyl-2-Pentanone (MIBK)				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Naphthalene				520	5,800	21	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
n-Butylbenzene				580	2,700	43	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
n-Propylbenzene				270	1,600	12	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
p-Isopropyltoluene				440	2,200	24	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
sec-Butylbenzene				250	1,000	12	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Styrene				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
tert-Butylbenzene				110	1,700	11	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
1,1,2,2-Tetrachloroethane				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Tetrachloroethene				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Toluene	6,000	2,250	3,000	3,000	24,000	170	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
1,1,1-Trichloroethane	3,040	1,140	1,520	<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
1,1,2-Trichloroethane				<50	<250	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<500	<10
Trichloroethene	2,520	945	1,260	750	16,000	190	150	970	37	9	<5.0	23,000	210
Vinyl Chloride	456	171	228	120	40,000	410	<5.0	<50	150	<5.0	25	550	110
o-xylene	4800	1800	2400	8,600	54,000 J	920	<5.0	<50	11	<5.0	<5.0	1,200	140
m&p-xylene				9,100	87,000 J	550	6 J	130	6	<5.0	<5.0	1,300	<10
Total VOCs		10,000		31,115	561,000	3,585	1,069	5,544	414	140	164	94,100	1,774

Notes:
Bold: Analyte detected was above the given action level.
J = Estimated Value
B = Analyte was also detected in the method blank
U = Analyte detected in method blank, concentration in field sample was within 10 x concentration in method blank
Total VOCs are calculated using 1/2 MDL for all ND results

Prepared By: CV
Date: 5/30/02
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Date: 5/30/02

SCIENTECH, Inc.

Table 1
Sample Results for
Interim Closure Sampling Investigation
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			C22,0-2'	C22,2-4'	C22,8-10'	C23,0-2.3'	C24,2.8-4'	C24,12-13.5'	C31,2-3.5'	C31,11-12.5'	C32,2-4'	C32,12-14'
Lab Sample Number: / Date Sampled: / Dilution Factor:	Fill	Clay	Sandy Silt	02050071-22 / 4/30/02 / 250	02050071-08 / 4/30/02 / 2000	02050071-09 / 4/30/02 / 500	02050071-10 / 4/30/02 / 10	02050071-11 / 4/30/02 / 5	02050071-12 / 4/30/02 / 5	02050071-13 / 4/30/02 / 5000	02050071-16 / 4/30/02 / 10	02050071-19 / 4/30/02 / 5000	02050071-20 / 4/30/02 / 5
Volatile Organic Compounds (ug/l)													
Acetone				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Benzene	232	87	116	630	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Bromodichloromethane				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Bromoform				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Bromomethane				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
2-Butanone (MEK)				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Carbon Disulfide				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Carbon Tetrachloride				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Chlorobenzene				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Chloroethane				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Chloroform				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Chloromethane				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Dibromochloromethane				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
1,1-Dichloroethane	600	225	300	<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
1,2-Dichloroethane	280	105	140	<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
1,1-Dichloroethene				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
1,2-Dichlorobenzene				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
1,2,4-Trimethylbenzene				1,600	3,700	1,300	<10	<5.0	<5.0	10,000	<10	<5000	<5.0
cis-1,2-Dichloroethene				37,000	220,000	6,300	1,400	21	45	660,000	850	160,000	110
trans-1,2-Dichloroethene				630	<2000	<500	24	<5.0	<5.0	<5000	<10	<5000	<5.0
1,2-Dichloropropane				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
1,3,5-Trimethylbenzene				4,300	3,100	850	<10	<5.0	<5.0	5,200	<10	<5000	<5.0
cis-1,3-Dichloropropene				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
trans-1,3-Dichloropropene				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Ethylbenzene	22,000	8,250	11,000	2,600	4,700	1,500	<10	<5.0	<5.0	12,000	<10	<5000	10
2-Hexanone				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Isopropylbenzene				260	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Methylene Chloride	420	158	210	<250	12,000 U	1,400 U	65 U	25 U	31 U	13,000 U	64 U	14,000 U	29 U
4-Methyl-2-Pentanone (MIBK)				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Naphthalene				2,200	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
n-Butylbenzene				2,200	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
n-Propylbenzene				290	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
p-Isopropyltoluene				770	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
sec-Butylbenzene				330	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Styrene				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
tert-Butylbenzene				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
1,1,2,2-Tetrachloroethane				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Tetrachloroethene				<250	<2000	1,500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Toluene	6,000	2,250	3,000	5,800	3,600	1,200	<10	<5.0	<5.0	7,400	<10	<5000	<5.0
1,1,1-Trichloroethane	3,040	1,140	1,520	<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
1,1,2-Trichloroethane				<250	<2000	<500	<10	<5.0	<5.0	<5000	<10	<5000	<5.0
Trichloroethene	2,520	945	1,260	7,300	180,000	110,000 J	370	22	10	470,000	380	<5000	52
Vinyl Chloride	456	171	228	5,700	<2000	<500	85	<5.0	<5.0	<5000	<10	<5000	<5.0
o-xylene	4800	1800	2400	24,000	14,000	4,500	17	<5.0	<5.0	35,000	24	5,400	6
m&p-xylene				11,000	17,000	8,100	17	<5.0	<5.0	84,000	<10	9,300	9
Total VOCs		10,000		110,110	494,100	145,400	2,168	173	191	1,386,600	1,523	291,200	314

Notes:
Bold: Analyte detected was above the given action level.
J = Estimated Value
B = Analyte was also detected in the method blank
U = Analyte detected in method blank; concentration in field sample w
Total VOCs are calculated using 1/2 MDL for all ND results

Prepared By: CV
Date: 5/30/02
Checked By: MGB
Date: 5/30/02

SCIENTECH, Inc.

Table 1
Sample Results for
Interim Closure Sampling Investigation
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			C34,2-3'	C41,0-1.6	C41,2-3'	C41,12-12.5'	C42,2-4'	C43,2-2.7'	C44,0-2'	C44,2-3.5'	C44,12-14'	C45,2-2.8'
Lab Sample Number:	Fill	Clay	Sandy Silt	02050040-01	02050040-37	02050040-03	02050040-04	02050071-21	02050040-02	02050040-38	02050040-05	02050040-06	02050040-07
Date Sampled:				5/1/02	5/1/02	5/1/02	5/1/02	4/30/02	5/1/02	5/1/02	5/1/02	5/1/02	5/1/02
Dilution Factor:				50	10	10	5	100	5	5	200	1	200
Volatile Organic Compounds (ug/l)													
Acetone				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Benzene	232	87	116	<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Bromodichloromethane				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Bromoform				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Bromomethane				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
2-Butanone (MEK)				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Carbon Disulfide				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Carbon Tetrachloride				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Chlorobenzene				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Chloroethane				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Chloroform				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Chloromethane				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Dibromochloromethane				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
1,1-Dichloroethane	600	225	300	<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
1,2-Dichloroethane	280	105	140	<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
1,1-Dichloroethene				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
1,2-Dichlorobenzene				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
1,2,4-Trimethylbenzene				86	190	220	6 J	210	15	51	12,000	5	6,800
cis-1,2-Dichloroethene				8,000	<10	19	77	970	300	<5.0	25,000	<1	26,000
trans-1,2-Dichloroethene				350	<10	<10	<5.0	<100	<5.0	<5.0	1,900	<1	<1000
1,2-Dichloropropane				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
1,3,5-Trimethylbenzene				<50	63	84	<5.0	160	5	47	14,000	<1	4,000
cis-1,3-Dichloropropene				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
trans-1,3-Dichloropropene				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Ethylbenzene	22,000	8,250	11,000	<50	270	350	9 J	180	5	24	**30,000**	<1	4,800
2-Hexanone				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Isopropylbenzene				<50	51	72	<5.0	100	7	17	6,800	<1	<1000
Methylene Chloride	420	158	210	72	22	25	7	**760** U	<5.0	20 U	**7,900** U	32 U	**5,900** U
4-Methyl-2-Pentanone (MIBK)				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Naphthalene				<50	24 U	27 U	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
n-Butylbenzene				<50	25	44	<5.0	190	<5.0	<5.0	1,100	<1	<1000
n-Propylbenzene				<50	34	48	<5.0	<100	<5.0	6	2,400	<1	<1000
p-Isopropyltoluene				<50	35	71	<5.0	<100	<5.0	8	1,700	<1	<1000
sec-Butylbenzene				<50	14	23	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Styrene				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
tert-Butylbenzene				<50	21	<10	<5.0	<100	<5.0	6	1,400	<1	<1000
1,1,2,2-Tetrachloroethane				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Tetrachloroethene				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Toluene	6,000	2,250	3,000	79	15	34	<5.0	<100	<5.0	<5.0	2,600	<1	2,900
1,1,1-Trichloroethane	3,040	1,140	1,520	<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
1,1,2-Trichloroethane				<50	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
Trichloroethene	2,520	945	1,260	**8,500**	<10	<10	<5.0	1,100	28	15	**12,000**	<1	**16,000**
Vinyl Chloride	456	171	228	140	<10	<10	<5.0	<100	<5.0	<5.0	<1000	<1	<1000
o-xylene	4800	1800	2400	72	470	1,400	<5.0	<100	<5.0	9	**15,000**	<1	**19,000**
m&p-xylene				100	770	960	9 J	360	9	34	**290,000**	<1	**120,000**
Total VOCs		10,000		18,299	2,159	3,532	208	5,830	464	322	438,800	59	223,400

Notes:

Bold: Analyte detected was above the given action level

J = Estimated Value

B = Analyte was also detected in the method blank

U = Analyte detected in method blank: concentration in field sample w

Total VOCs are calculated using 1/2 MDL for all ND results

Prepared By: CV
Date: 5/30/02
Checked By: MGB
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SCIENTECH, Inc.

Table 1
Sample Results for
Interim Closure Sampling Investigation
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			C46,2-4'	C52,2.5-4	C53,3.5-4'	C54,2-4'	C55,2-4'	C56,2-4'	C61,0-2'	C61,2-3.5'	C61,12-13.5'	C62,0-2'
Lab Sample Number: / Date Sampled: / Dilution Factor	Fill	Clay	Sandy Silt	02050040-08 5/1/02 5	02050040-14 5/1/02 10	02050040-13 5/1/02 50	02050040-12 5/1/02 5	02050040-11 5/1/02 1	02050040-09 5/1/02 5	02050040-39 5/1/2002 20	02050040-15 5/1/02 20	02050040-16 5/1/02 10	02050040-40 5/1/02 5
Volatile Organic Compounds (ug/l)													
Acetone				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
Benzene	232	87	116	<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
Bromodichloromethane				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
Bromoform				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
Bromomethane				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
2-Butanone (MEK)				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
Carbon Disulfide				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
Carbon Tetrachloride				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
Chlorobenzene				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
Chloroethane				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
Chloroform				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
Chloromethane				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
Dibromochloromethane				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
1,1-Dichloroethane	600	225	300	<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
1,2-Dichloroethane	280	105	140	<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
1,1-Dichloroethene				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
1,2-Dichlorobenzene				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
1,2,4-Trimethylbenzene				6	1,100	590	5	<1	<5.0	1,900	190	<10	6
cis-1,2-Dichloroethene				<5.0	71	<50	33	20	<5.0	<20	68	260	71
trans-1,2-Dichloroethene				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	6
1,2-Dichloropropane				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
1,3,5-Trimethylbenzene				<5.0	450	230	<5.0	<1	<5.0	720	730	<10	<5.0
cis-1,3-Dichloropropene				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
trans-1,3-Dichloropropene				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
Ethylbenzene	22,000	8,250	11,000	<5.0	36	3,600	<5.0	<1	<5.0	1,900	26	25	<5.0
2-Hexanone				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
Isopropylbenzene				<5.0	20	220	<5.0	<1	<5.0	370	30	<10	<5.0
Methylene Chloride	420	158	210	28 U	15	54	33 U	7	9	22	28	34 U	5
4-Methyl-2-Pentanone (MIBK)				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
Naphthalene				<5.0	120	98	<5.0	<1	<5.0	310 B	71	<10	6 U
n-Butylbenzene				<5.0	55	<50	<5.0	<1	<5.0	190	110	<10	<5.0
n-Propylbenzene				<5.0	12	110	<5.0	<1	<5.0	210	22	<10	<5.0
p-Isopropyltoluene				<5.0	50	65	<5.0	<1	<5.0	220	190	<10	<5.0
sec-Butylbenzene				<5.0	23	<50	<5.0	<1	<5.0	140	34	<10	<5.0
Styrene				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
tert-Butylbenzene				<5.0	22	58	<5.0	<1	<5.0	230	36	<10	<5.0
1,1,2,2-Tetrachloroethane				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
Tetrachloroethene				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
Toluene	6,000	2,250	3,000	<5.0	<10	<50	<5.0	<1	<5.0	21	<20	19	<5.0
1,1,1-Trichloroethane	3,040	1,140	1,520	<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
1,1,2-Trichloroethane				<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	<5.0
Trichloroethene	2,520	945	1,260	<5.0	<10	<50	32	32	8	<20	72	1,500	25
Vinyl Chloride	456	171	228	<5.0	<10	<50	<5.0	<1	<5.0	<20	<20	<10	14
o-xylene	4800	1800	2400	<5.0	45	<50	12	<1	<5.0	2,700	560	17	<5.0
m&p-xylene				32	65	1,100	26	6	6	5,000	1,000	82	8
Total VOCs		10,000		171	2,239	7,000	239	86	128	14,243	3,467	2,127	234

Notes:
Bold: Analyte detected was above the given action level
J = Estimated Value
B = Analyte was also detected in the method blank
U = Analyte detected in method blank; concentration in field sample w
Total VOCs are calculated using 1/2 MDL for all ND results

Prepared By: CV
Date: 5/30/02
Checked By: MGB
Date: 5/30/02

SCIENTECH, Inc.

Table 1
Sample Results for
Interim Closure Sampling Investigation
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			C62,3.3-4'	C63,2-4'	C63,11-13.5'	C64,2-4'	C64,6-8'	C64,13-14'	C65,2-4'	C71,2-4'	C71,11-13.3'	C72,2-4'
Lab Sample Number:	Fill	Clay	Sandy Silt	02050040-19	02050040-20	02050040-21	02050040-24	02050040-25	02050040-26	02050040-27	02050040-28	02050040-42	02050040-29
Date Sampled:				5/1/02	5/1/02	5/1/02	5/1/02	5/1/02	5/1/02	5/1/02	5/1/02	5/1/02	5/1/02
Dilution Factor:				5	5	5	5	20	20	10	50	1	5
Volatile Organic Compounds (ug/l)													
Acetone				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
Benzene	232	87	116	<5.0	<5.0	<5.0	<5.0	<20	**140**	<10	<50	<1	<5.0
Bromodichloromethane				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
Bromoform				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
Bromomethane				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
2-Butanone (MEK)				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
Carbon Disulfide				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
Carbon Tetrachloride				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
Chlorobenzene				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
Chloroethane				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
Chloroform				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
Chloromethane				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
Dibromochloromethane				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
1,1-Dichloroethane	600	225	300	<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
1,2-Dichloroethane	280	105	140	<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
1,1-Dichloroethene				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
1,2-Dichlorobenzene				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
1,2,4-Trimethylbenzene				11 J	<5.0	<5.0	<5.0	63	110	50	430	<1	<5.0
cis-1,2-Dichloroethene				<5.0	160	<5.0	7	<20	34	<10	<50	<1	15
trans-1,2-Dichloroethene				<5.0	8	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
1,2-Dichloropropane				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
1,3,5-Trimethylbenzene				6 J	<5.0	<5.0	<5.0	83	120	42	830	<1	6
cis-1,3-Dichloropropene				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
trans-1,3-Dichloropropene				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
Ethylbenzene	22,000	8,250	11,000	<5.0	<5.0	<5.0	<5.0	71	1,000	120	4,300	<1	16
2-Hexanone				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
Isopropylbenzene				<5.0	<5.0	<5.0	<5.0	22	80	20	420	<1	<5.0
Methylene Chloride	420	158	210	<5.0	6	<5.0	8	25	24	<10	56	5	<5.0
4-Methyl-2-Pentanone (MIBK)				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
Naphthalene				36 J	7 J	<5.0	<5.0	<20	<20	<10	100 U	<1	<5.0
n-Butylbenzene				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
n-Propylbenzene				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	67	<1	<5.0
p-Isopropyltoluene				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	57	<1	<5.0
sec-Butylbenzene				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
Styrene				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
tert-Butylbenzene				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
1,1,2,2-Tetrachloroethane				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
Tetrachloroethene				<5.0	<5.0	6	<5.0	<20	<20	<10	<50	<1	<5.0
Toluene	6,000	2,250	3,000	<5.0	<5.0	<5.0	<5.0	<20	330	12	75	<1	<5.0
1,1,1-Trichloroethane	3,040	1,140	1,520	<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
1,1,2-Trichloroethane				<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
Trichloroethene	2,520	945	1,280	<5.0	140	<5.0	28	<20	<20	<10	<50	14	<5.0
Vinyl Chloride	456	171	228	<5.0	<5.0	<5.0	<5.0	<20	<20	<10	<50	<1	<5.0
o-xylene	4800	1800	2400	<5.0	<5.0	<5.0	11 J	160	**2,000**	500	**4,600**	<1	<5.0
m&p-xylene				32 J	7 J	<5.0	11 J	1,600	**9,200**	2,200	**13,000**	<1	11
Total VOCs		10,000		188	426	116	165	2,404	13,388	3,134	24,785	41	151

Notes:
Bold: Analyte detected was above the given action level.
J = Estimated Value
B = Analyte was also detected in the method blank
U = Analyte detected in method blank, concentration in field sample w
Total VOCs are calculated using 1/2 MDL for all ND results

Prepared By: CV
Date: 5/30/02
Checked By: MGB
Date: 5/30/02

Table 1
Sample Results for
Interim Closure Sampling Investigation
LEICA Inc.

SCIENTECH, Inc.

ANALYTES	Remedial Action Objectives (RAOs)			C74,2-4'	C82,2-4'	C83,0-2'	C83,2-4'	C84,2-4'	C93,0-2'	C93,2-4'	C93,11-13'	C102,2-4'	C112,0-2'
Lab Sample Number:	Fill	Clay	Sandy Silt	02050040-31	02050040-34	02050040-41	02050040-32	02050040-33	02050104-21	02050104-01	02050104-02	02050040-35	02050104-22
Date Sampled:				5/1/02	5/1/02	5/1/02	5/1/02	5/1/02	5/2/02	5/2/02	5/2/02	5/1/02	5/2/02
Dilution Factor:				5	5	5	20	5	5	5	5	10	5
Volatile Organic Compounds (ug/l)													
Acetone				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
Benzene	**232**	**87**	**116**	10	<5.0	<5.0	26	<5.0	<5.0	<5.0	<5.0	<10	<5.0
Bromodichloromethane				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
Bromoform				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
Bromomethane				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
2-Butanone (MEK)				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
Carbon Disulfide				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
Carbon Tetrachloride				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
Chlorobenzene				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
Chloroethane				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
Chloroform				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
Chloromethane				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
Dibromochloromethane				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
1,1-Dichloroethane	**600**	**225**	**300**	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
1,2-Dichloroethane	**280**	**105**	**140**	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
1,1-Dichloroethene				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
1,2-Dichlorobenzene				<5.0	<5.0	<5.0	80	<5.0	<5.0	<5.0	<5.0	<10	<5.0
1,2,4-Trimethylbenzene				12	<5.0	<5.0	590	5	<5.0	<5.0	<5.0	75	<5.0
cis-1,2-Dichloroethene				<5.0	<5.0	<5.0	<20	<5.0	8	12	<5.0	15	<5.0
trans-1,2-Dichloroethene				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
1,2-Dichloropropane				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
1,3,5-Trimethylbenzene				9	<5.0	<5.0	290	<5.0	<5.0	2 J	<5.0	48	<5.0
cis-1,3-Dichloropropene				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
trans-1,3-Dichloropropene				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
Ethylbenzene	**22,000**	**8,250**	**11,000**	75	<5.0	<5.0	3,000	<5.0	<5.0	<5.0	<5.0	140	<5.0
2-Hexanone				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
Isopropylbenzene				<5.0	<5.0	<5.0	220	<5.0	<5.0	<5.0	<5.0	62	<5.0
Methylene Chloride	**420**	**158**	**210**	5	5	<5.0	<20	5	18 U	13 U	13 U	<10	18 U
4-Methyl-2-Pentanone (MIBK)				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
Naphthalene				<5.0	<5.0	<5.0	230 U	<5.0	<5.0	<5.0	<5.0	<10	<5.0
n-Butylbenzene				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
n-Propylbenzene				<5.0	<5.0	<5.0	95	<5.0	<5.0	<5.0	<5.0	<10	<5.0
p-Isopropyltoluene				<5.0	<5.0	<5.0	28	<5.0	<5.0	<5.0	<5.0	<10	<5.0
sec-Butylbenzene				<5.0	<5.0	<5.0	23	<5.0	<5.0	<5.0	<5.0	<10	<5.0
Styrene				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
tert-Butylbenzene				<5.0	<5.0	<5.0	64	<5.0	<5.0	<5.0	<5.0	<10	<5.0
1,1,2,2-Tetrachloroethane				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
Tetrachloroethene				<5.0	<5.0	<5.0	<20	<5.0	5	<5.0	<5.0	<10	<5.0
Toluene	**6,000**	**2,250**	**3,000**	<5.0	<5.0	7	<20	<5.0	<5.0	<5.0	<5.0	22	<5.0
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
1,1,2-Trichloroethane				<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
Trichloroethene	**2,520**	**945**	**1,260**	<5.0	<5.0	<5.0	<20	<5.0	<5.0	<5.0	<5.0	<10	7
Vinyl Chloride	**456**	**171**	**226**	<5.0	<5.0	11	<20	<5.0	<5.0	<5.0	<5.0	<10	<5.0
o-xylene	**4800**	**1800**	**2400**	<5.0	<5.0	<5.0	**250**	<5.0	<5.0	<5.0	<5.0	120	<5.0
m&p-xylene				330	6	<5.0	8,600	24	<5.0	<5.0	<5.0	840	<5.0
Total VOCs		10,000		540	119	126	13,816	139	136	132	123	1,507	133

Notes:
Bold: Analyte detected was above the given action level.
J = Estimated Value
B = Analyte was also detected in the method blank
U = Analyte detected in method blank, concentration p field sample w
Total VOCs are calculated using 1/2 MDL for all ND results

Prepared By: CV
Date: 5/30/02
Checked By: MGB
Date 5/30/02

SCIENTECH, Inc.

Table 1
Sample Results for
Interim Closure Sampling Investigation
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			C112,2-4'	C112,12-13'	C122,2-4'	B12,0-2'	B12,10-11.5'	B13,0-2'	B14,0-1.5'	B14,7.3-8'	B21,0-1.3	B22,0-1.4
Lab Sample Number:	Fill	Clay	Sandy Silt	02050104-03	02050104-04	02050040-36	02050104-05	02050104-06	02050104-08	02050104-12	02050104-13	02050104-15	02050104-14
Date Sampled:				5/2/02	5/2/02	5/1/02	5/2/02	5/2/02	5/2/02	5/2/02	5/2/02	5/2/02	5/2/02
Dilution Factor:				5	5	5	5	5	5	10	5	5	5
Volatile Organic Compounds (ug/l)													
Acetone				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
Benzene	232	97	116	7	5	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
Bromodichloromethane				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
Bromoform				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
Bromomethane				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
2-Butanone (MEK)				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
Carbon Disulfide				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
Carbon Tetrachloride				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
Chlorobenzene				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
Chloroethane				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
Chloroform				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
Chloromethane				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
Dibromochloromethane				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
1,1-Dichloroethane	600	225	300	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
1,2-Dichloroethane	280	105	140	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
1,1-Dichloroethene				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
1,2-Dichlorobenzene				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
1,2,4-Trimethylbenzene				80	<5.0	6	6	<5.0	16	<10	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene				<5.0	280	<5.0	20	110	6	39	5	24	5
trans-1,2-Dichloroethene				<5.0	42	<5.0	12	13	<5.0	<10	<5.0	<5.0	<5.0
1,2-Dichloropropane				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
1,3,5-Trimethylbenzene				160	<5.0	<5.0	<5.0	<5.0	6	<10	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
Ethylbenzene	22,000	8,250	11,000	97	180	<5.0	<5.0	<5.0	7	<10	<5.0	<5.0	<5.0
2-Hexanone				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
Isopropylbenzene				92	9	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
Methylene Chloride	420	158	210	23 U	22 U	14 U	23 U	<5.0	39 U	72 U	25 U	22 U	14 U
4-Methyl-2-Pentanone (MIBK)				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
Naphthalene				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
n-Butylbenzene				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
n-Propylbenzene				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
p-Isopropyltoluene				7	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
sec-Butylbenzene				<5.0	<5.0	<5.0	<5.0	<5.0	11	<10	<5.0	<5.0	<5.0
Styrene				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
tert-Butylbenzene				11	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
Tetrachloroethene				<5.0	<5.0	<5.0	<5.0	8	6	13	<5.0	9	<5.0
Toluene	6,000	2,250	3,000	<5.0	5	<5.0	<5.0	<5.0	59	29	<5.0	<5.0	<5.0
1,1,1-Trichloroethane	3,040	1,140	1,520	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
1,1,2-Trichloroethane				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
Trichloroethene	2,520	945	1,260	<5.0	<5.0	<5.0	20	21	90	14	64	43	8
Vinyl Chloride	456	171	228	17	22	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
o-xylene	4800	1800	2400	100	<5.0	<5.0	<5.0	<5.0	14	<10	<5.0	<5.0	<5.0
m&p-xylene				1,600	21	11	6	5	28	<10	<5.0	<5.0	<5.0
Total VOCs		10,000		2,279	656	136	185	257	367	367	199	201	132

Notes:
Bold: Analyte detected was above the given action level.
J = Estimated Value
B = Analyte was also detected in the method blank
U = Analyte detected in method blank, concentration in field sample w
Total VOCs are calculated using 1/2 MDL for all ND results

Prepared By: CV
Date: 5/30/02
Checked By: MGB
Date: 5/30/02

SCIENTECH, Inc.

Table 1
Sample Results for Interim Closure Sampling Investigation
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			B23,0-1'	B31,0-2'	B31,7-9'	B32,0-2'	AN,0.7-2.7	AN,10-11'	AS,0.7-2.7	TP1,0-2'	TP1,2.5'	TP2,0-2'
Lab Sample Number:	Fill	Clay	Sandy Silt	02050104-11	02050104-07	02050104-09	02050104-10	02050104-16	02050104-17	02050104-18	02050071-14	02050071-15	02050071-17
Date Sampled:				5/2/02	5/2/02	5/2/02	5/2/02	5/2/02	5/2/02	5/2/02	4/30/02	4/30/02	4/30/02
Dilution Factor:				5	5	10	5	5	5	5	5	10	1000
Volatile Organic Compounds (ug/l)													
Acetone				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
Benzene	232	87	116	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
Bromodichloromethane				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
Bromoform				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
Bromomethane				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
2-Butanone (MEK)				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
Carbon Disulfide				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
Carbon Tetrachloride				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
Chlorobenzene				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	5,400
Chloroethane				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
Chloroform				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
Chloromethane				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
Dibromochloromethane				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
1,1-Dichloroethane	600	225	300	<5.0	<5.0	<10	<5.0	<5.0	<5.0	220	<5.0	<10	<1000
1,2-Dichloroethane	280	105	140	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
1,1-Dichloroethene				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
1,2-Dichlorobenzene				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
1,2,4-Trimethylbenzene				<5.0	<5.0	<10	<5.0	<5.0	<5.0	7	<5.0	<10	1,000
cis-1,2-Dichloroethene				17	<5.0	<10	10	<5.0	14	<5.0	1,000	2,000 J	190,000
trans-1,2-Dichloroethene				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	35	54	<1000
1,2-Dichloropropane				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
1,3,5-Trimethylbenzene				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
cis-1,3-Dichloropropene				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
trans-1,3-Dichloropropene				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
Ethylbenzene	22,000	8,250	11,000	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
2-Hexanone				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
Isopropylbenzene				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
Methylene Chloride	420	158	210	18 B	26 U	25 U	42 B	18 U	22 U	15 U	30 U	80 U	3,300 U
4-Methyl-2-Pentanone (MIBK)				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
Naphthalene				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
n-Butylbenzene				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
n-Propylbenzene				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
p-Isopropyltoluene				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
sec-Butylbenzene				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
Styrene				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
tert-Butylbenzene				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
1,1,2,2-Tetrachloroethane				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
Tetrachloroethene				5	14	13	7	6	5	6	<5.0	12	<1000
Toluene	6,000	2,250	3,000	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	3,400
1,1,1-Trichloroethane	3,040	1,140	1,520	<5.0	<5.0	<10	<5.0	<5.0	<5.0	8	<5.0	<10	<1000
1,1,2-Trichloroethane				<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<1000
Trichloroethene	2,520	945	1,260	8	51	420	31	<5.0	22	10	370	2,200 J	45,000
Vinyl Chloride	456	171	228	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	22	220	<1000
o-xylene	4800	1800	2400	<5.0	<5.0	<10	<5.0	10	<5.0	<5.0	<5.0	<10	6,600
m&p-xylene				<5.0	<5.0	<10	<5.0	5	<5.0	<5.0	<5.0	<10	4,800
Total VOCs		10,000		151	196	668	193	142	166	364	1,557	4,761	278,000

Notes:
Bold: Analyte detected was above the given action level
J = Estimated Value
B = Analyte was also detected in the method blank
U = Analyte detected in method blank; concentration in field sample w
Total VOCs are calculated using 1/2 MDL for all ND results

Prepared By: CV
Date: 5/30/02
Checked By: MGB
Date: 5/30/02

SCIENTECH, Inc.

Table 1
Sample Results for Interim Closure Sampling Investigation
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			TP2,2.5'	TP3,0-2'	TP3,2.5'	TP4,0-2'	TP4,4.0'
Lab Sample Number: / Date Sampled: / Dilution Factor:	Fill	Clay	Sandy Silt	02050071-18 / 4/30/02 / 100000	02050040-17 / 5/1/02 / 100	02050040-18 / 5/1/02 / 1000	02050040-22 / 5/1/02 / 20	02050040-23 / 5/1/02 / 5
Volatile Organic Compounds (ug/l)								
Acetone				<100000	<100	<1000	<20	<5.0
Benzene	**232**	**87**	**116**	<100000	<100	<1000	39	<5.0
Bromodichloromethane				<100000	<100	<1000	<20	<5.0
Bromoform				<100000	<100	<1000	<20	<5.0
Bromomethane				<100000	<100	<1000	<20	<5.0
2-Butanone (MEK)				<100000	<100	<1000	<20	<5.0
Carbon Disulfide				<100000	<100	<1000	<20	<5.0
Carbon Tetrachloride				<100000	<100	<1000	<20	<5.0
Chlorobenzene				<100000	<100	<1000	<20	<5.0
Chloroethane				<100000	<100	<1000	<20	<5.0
Chloroform				<100000	<100	<1000	<20	<5.0
Chloromethane				<100000	<100	<1000	<20	<5.0
Dibromochloromethane				<100000	<100	<1000	<20	<5.0
1,1-Dichloroethane	**600**	**225**	**300**	<100000	<100	<1000	<20	<5.0
1,2-Dichloroethane	**280**	**105**	**140**	<100000	<100	<1000	<20	<5.0
1,1-Dichloroethene				<100000	<100	<1000	<20	<5.0
1,2-Dichlorobenzene				<100000	<100	<1000	<20	<5.0
1,2,4-Trimethylbenzene				<100000	110	37,000	310	21 J
cis-1,2-Dichloroethene				2,800,000	3,700	<1000	<20	15
trans-1,2-Dichloroethene				<100000	<100	<1000	<20	<5.0
1,2-Dichloropropane				<100000	<100	<1000	<20	<5.0
1,3,5-Trimethylbenzene				<100000	<100	20,000	90	14 J
cis-1,3-Dichloropropene				<100000	<100	<1000	<20	<5.0
trans-1,3-Dichloropropene				<100000	<100	<1000	<20	<5.0
Ethylbenzene	**22,000**	**8,250**	**11,000**	<100000	180	20,000	530	17 J
2-Hexanone				<100000	<100	<1000	<20	<5.0
Isopropylbenzene				<100000	<100	2,000	490	16 J
Methylene Chloride	**420**	**158**	**210**	**290,000** U	140	**6,000** U	20	<5.0
4-Methyl-2-Pentanone (MIBK)				<100000	<100	<1000	<20	<5.0
Naphthalene				<100000	<100	4,100	85	8 J
n-Butylbenzene				<100000	<100	5,900	35	<5.0
n-Propylbenzene				<100000	<100	3,300	43	<5.0
p-Isopropyltoluene				<100000	<100	5,900	87	<5.0
sec-Butylbenzene				<100000	<100	2,100	21	<5.0
Styrene				<100000	<100	<1000	<20	<5.0
tert-Butylbenzene				<100000	<100	4,200	36	<5.0
1,1,2,2-Tetrachloroethane				<100000	<100	<1000	<20	<5.0
Tetrachloroethene				<100000	<100	<1000	<20	<5.0
Toluene	**6,000**	**2,250**	**3,000**	<100000	<100	1,300	<20	<5.0
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	<100000	<100	<1000	<20	<5.0
1,1,2-Trichloroethane				<100000	<100	<1000	<20	<5.0
Trichloroethene	**2,520**	**945**	**1,260**	**5,600,000**	680	1,600	<20	<5.0
Vinyl Chloride	**456**	**171**	**228**	<100000	<100	<1000	<20	<5.0
o-xylene	**4800**	**1800**	**2400**	<100000	550	**22,000**	470	120 J
m&p-xylene				**170,000**	380	**250,000**	3,200	210 J
Total VOCs		10,000		10,910,000	7,640	400,400	5,766	514

Notes:
Bold: Analyte detected was above the given action level.
J = Estimated Value
B = Analyte was also detected in the method blank
U = Analyte detected in method blank, concentration in field sample w
Total VOCs are calculated using 1/2 MDL for all ND results

Prepared by: MB, CV
Date: 4/10/03
Checked by: JK
Date: 12/17/03

Table 2
Summary of Test Pit Excavation Data
LEICA Inc.

SCIENTECH, Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-in-Action Levels	T-C10-3	PID 3.5	T-C10-7	PID 2.1	T-C10-12	PID 10.4	T-E10-3	PID 2.5	T-E10-7	PID 14.1	T-E10-12	PID 9.5
Lab Sample Number:	Fill	Clay	Sandy Silt				AD76602		AD76603		AD76604		AD76605		AD76606		AD76607	
Date Sampled				ug/kg	*ug/kg*	ug/kg	4/1/03		4/1/03		4/1/03		4/1/03		4/1/03		4/1/03	
Soil Type																		
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	*1,600,000*	7,800,000	<100	50	<100	50	<100	50	<1530	765	<100	50	<100	50
Benzene	232	87	116	10,000	*100,000*	22,000	<5.00	2.5	5.1	5.1	<5.00	2.5	<76.7	38.35	6.9	6.9	8.1	8.1
Bromodichloromethane				15,000	*150,000*	10,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
Bromoform				NE	*NE*	81,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
Bromomethane				15,000	*150,000*	110,000	<10.0	5	<10.0	5	<10.0	5	<190	95	<10.0	5	<10.0	5
2-Butanone (MEK)				36,000	*360,000*	47,000,000	<50.0	25	<50.0	25	<50.0	25	<767	383.5	<50.0	25	<50.0	25
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	<25.0	12.5	<25.0	12.5	<25.0	12.5	<384	192	<25.0	12.5	<25.0	12.5
Carbon Tetrachloride				6,000	*60,000*	4,900	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
Chlorobenzene				6,000	*60,000*	1,600,000	<5.00	2.5	<5.0	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
Chloroethane				6,000	*60,000*	49,000	<10.0	5	<10.0	5	<10.0	5	<153	76.5	<10.0	5	<10.0	5
Chloroform				6,000	*60,000*	100,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
Chloromethane				30,000	*300,000*	49,000	<10.0	5	<10.0	5	<10.0	5	<153	76.5	<10.0	5	<10.0	5
Dibromochloromethane				NE	*NE*	7,600	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
1,1-Dichloroethane	600	225	300	6,000	*60,000*	7,800,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
1,2-Dichloroethane	280	105	140	6,000	*60,000*	7,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
1,1-Dichloroethene				6,000	*60,000*	1,100	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
1,2,4-Trimethylbenzene				NE	*NE*	NE	<5.00	2.5	<5.00	2.5	5.4	5.4	<76.7	38.35	<5.00	2.5	6.6	6.6
cis-1,2-Dichloroethene				NE	*NE*	780,000	160	160	64	64	110	110	<76.7	38.35	33	33	73	73
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	7.9	7.9	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
1,2-Dichloropropane				18,000	*180,000*	9,400	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
1,3,5-Trimethylbenzene				NE	*NE*	NE	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
cis-1,3-Dichloropropene				18,000	*180,000*	NE	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
trans-1,3-Dichloropropene				18,000	*180,000*	NE	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
Ethylbenzene	22,000	8,250	11,000	10,000	*100,000*	7,800,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
2-Hexanone				NE	*NE*	NE	<50.0	25	<50.0	25	<50.0	25	<767	383.5	<50.0	25	<50.0	25
Isopropylbenzene				NE	*NE*	3,100,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
Methylene Chloride	420	158	210	30,000	*300,000*	85,000	<10.0	5	<10.0	5	<10.0	5	<580	290	<10.0	5	<5.00	2.5
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	<50.0	25	<50.0	25	<50.0	25	<767	383.5	<50.0	25	<50.0	25
Naphthalene				5,600	*56,000*	310,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
n-Butylbenzene				NE	*NE*	5,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
n-Propylbenzene				NE	*NE*	NE	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
p-Isopropyltoluene				NE	*NE*	NE	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
sec-Butylbenzene				NE	*NE*	5,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
Styrene				NE	*NE*	21,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
tert-Butylbenzene				NE	*NE*		<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
Tetrachloroethene				6,000	*60,000*	12,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
Toluene	6,000	2,250	3,000	10,000	*100,000*	16,000,000	10	10	10	10	6.5	6.5	<76.7	38.35	18	18	23	23
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	*60,000*	7,000,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
1,1,2-Trichloroethane				6,000	*60,000*	11,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
Trichloroethene	2,520	945	1,260	6,000	*60,000*	58,000	100	100	170	170	19	19	<76.7	38.35	<5.00	2.5	<5.00	2.5
Vinyl Chloride	456	171	228	6,000	*60,000*	340	27	27	<5.00	2.5	<5.00	2.5	<76.7	38.35	190	190	<5.00	2.5
o-xylene	4800	1800	2400	30,000	*300,000*	160,000,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<76.7	38.35	<5.00	2.5	<5.00	2.5
m&p-xylene						160,000,000	<10.0	5	<10.0	5	<10.0	5	<153	76.5	10	10	14	14
Total VOCs		10,000		NE	NE	NE		542		489		381		4,064		493		357

Notes:

Bold: Analyte detected above the given action level
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained In" Action Level
NE = No Standard Established
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL

Prepared by: MB, CV
Date: 4/10/03
Checked by: JK
Date: 12/17/03

SCIENTECH, Inc.

Table 2

Summary of Test Pit Excavation Data

LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-in-Action Levels	T-E20-3	PID 1.9	T-E20-7	PID 2.7	T-E20-12	PID 4.7	T-D10-3	PID 0.6	T-D10-7	PID 0.6	T-D10-12	PID 0.9
Lab Sample Number:	Fill	Clay	Sandy Silt				AD76608		AD76609		AD76610		AD76611		AD76612		AD76613	
Date Sampled:				ug/kg	ug/kg	ug/kg	4/2/03		4/2/03		4/2/03		4/2/03		4/2/03		4/2/03	
Soil Type																		
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	*1,600,000*	7,800,000	<100	50	<100	50	<100	50	<100	50	<100	50	<100	50
Benzene	232	87	116	10,000	*100,000*	22,000	<5.00	2.5	<5.00	2.5	9.5	9.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
Bromodichloromethane				15,000	*150,000*	10,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
Bromoform				NE	*NE*	81,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
Bromomethane				15,000	*150,000*	110,000	<10.0	5	<10.0	5	<10.0	5	<10.0	5	<10.0	5	<10.0	5
2-Butanone (MEK)				36,000	*360,000*	47,000,000	<50.0	25	<50.0	25	<50.0	25	<50.0	25	<50.0	25	<50.0	25
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	<25.0	12.5	<25.0	12.5	<25.0	12.5	<25.0	12.5	<25.0	12.5	<25.0	12.5
Carbon Tetrachloride				6,000	*60,000*	4,900	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
Chlorobenzene				6,000	*60,000*	1,600,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
Chloroethane				6,000	*60,000*	49,000	<10.0	5	<10.0	5	<10.0	5	<10.0	5	<10.0	5	<10.0	5
Chloroform				6,000	*60,000*	100,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
Chloromethane				30,000	*300,000*	49,000	<10.0	5	<10.0	5	<10.0	5	<10.0	5	<10.0	5	<10.0	5
Dibromochloromethane				NE	*NE*	7,600	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
1,1-Dichloroethane	600	225	300	6,000	*60,000*	7,800,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
1,2-Dichloroethane	280	105	140	6,000	*60,000*	7,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
1,1-Dichloroethene				6,000	*60,000*	1,100	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
1,2,4-Trimethylbenzene				NE	*NE*	NE	<5.00	2.5	<5.00	2.5	5.4	5.4	<5.00	2.5	<5.00	2.5	<5.00	2.5
cis-1,2-Dichloroethene				NE	*NE*	780,000	6.9	6.9	92	92	210	210	83	83	8.8	8.8	79	79
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	8.7	8.7	<5.00	2.5	<5.00	2.5
1,2-Dichloropropane				18,000	*180,000*	9,400	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
1,3,5-Trimethylbenzene				NE	*NE*	NE	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
cis-1,3-Dichloropropene				18,000	*180,000*	NE	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
trans-1,3-Dichloropropene				18,000	*180,000*	NE	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
Ethylbenzene	22,000	8,250	11,000	10,000	*100,000*	7,800,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
2-Hexanone				NE	*NE*	NE	<50.0	25	<50.0	25	<50.0	25	<50.0	25	<50.0	25	<50.0	25
Isopropylbenzene				NE	*NE*	3,100,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
Methylene Chloride	420	158	210	30,000	*300,000*	85,000	<10.0	5	<10.0	5	<10.0	5	<10.0	5	<10.0	5	<5.00	2.5
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	<50.0	25	<50.0	25	<50.0	25	<50.0	25	<50.0	25	<50.0	25
Naphthalene				5,600	*56,000*	310,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
n-Butylbenzene				NE	*NE*	5,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
n-Propylbenzene				NE	*NE*	NE	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
p-Isopropyltoluene				NE	*NE*	NE	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
sec-Butylbenzene				NE	*NE*	5,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
Styrene				NE	*NE*	21,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
tert-Butylbenzene				NE	*NE*		<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
Tetrachloroethene				6,000	*60,000*	12,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
Toluene	6,000	2,250	3,000	10,000	*100,000*	16,000,000	7.0	7	7.6	7.6	17	17	22	22	7.5	7.5	6.7	6.7
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	*60,000*	7,000,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
1,1,2-Trichloroethane				6,000	*60,000*	11,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
Trichloroethene	2,520	945	1,260	6,000	*60,000*	58,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	58	58	7.1	7.1	<5.00	2.5
Vinyl Chloride	456	171	228	6,000	*60,000*	340	<5.00	2.5	<5.00	2.5	19	19	12	12	15	15	37	37
o-xylene	4800	1800	2400	30,000	*300,000*	160,000,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5
m&p-xylene						160,000,000	<10.0	5	<10.0	5	14	14	15	15	<10.0	5	<10.0	5
Total VOCs		10,000		NE	NE	NE		259		345		507		431		278		363

Notes:

Bold: Analyte detected above the given action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

File: \\Nes-nt\Dept\DEPT020\31128-9(3947-8)-LEICA\DELVDSGN\ExcavationDataSoilEX Data
Sheet: Test Pit Data

Prepared by: MB, CV
Date. 4/10/03
Checked by: JK
Date. 12/17/03

SCIENTECH, Inc.

Table 2

Summary of Test Pit Excavation Data

LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs) Fill	Clay	Sandy Silt	Universal Treatment Standards ug/kg	*10 X Universal Treatment Standards ug/kg*	NYS TAGM Contained-in-Action Levels ug/kg	T-D20-7	PID 1.4	T-D20-12	PID 3.6	T-C20-7	PID 0.5	T-B10-3	PID 1.6	T-B10-7	PID 2.5	T-B10-12	PID 1.1
Lab Sample Number:							AD76614		AD76615		AD76616		AD76617		AD76618		AD76619	
Date Sampled:							4/2/03		4/2/03		4/2/03		4/2/03		4/2/03		4/2/03	
Soil Type																		
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	*1,600,000*	7,800,000	<100	50	<100	50	<100	50	<100	50	<1500	750	<988	494
Benzene	232	87	116	10,000	*100,000*	22,000	<5.00	2.5	<5.00	2.5	5.4	5.4	<5.00	2.5	<75.2	37.6	<49.4	24.7
Bromodichloromethane				15,000	*150,000*	10,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
Bromoform				NE	*NE*	81,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
Bromomethane				15,000	*150,000*	110,000	<10.0	5	<10.0	5	<50.0	25	<10.0	5	<185	92.5	<98.8	49.4
2-Butanone (MEK)				36,000	*360,000*	47,000,000	<50.0	25	<50.0	25	<50.0	25	<50.0	25	<752	376	<494	247
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	<25.0	12.5	<25.0	12.5	<25.0	12.5	<25.0	12.5	<376	188	<247	123.5
Carbon Tetrachloride				6,000	*60,000*	4,900	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
Chlorobenzene				6,000	*60,000*	1,600,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
Chloroethane				6,000	*60,000*	49,000	<10.0	5	<10.0	5	<10.0	5	<10.0	5	<150	75	<98.8	49.4
Chloroform				6,000	*60,000*	100,000	<5.00	2.5	<5.0	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
Chloromethane				30,000	*300,000*	49,000	<10.0	5	<10.0	5	<10.0	5	<10.0	5	<150	75	<98.8	49.4
Dibromochloromethane				NE	*NE*	7,600	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
1,1-Dichloroethane	600	225	300	6,000	*60,000*	7,800,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
1,2-Dichloroethane	280	105	140	6,000	*60,000*	7,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
1,1-Dichloroethene				6,000	*60,000*	1,100	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	1400	1400
1,2,4-Trimethylbenzene				NE	*NE*	NE	<5.00	2.5	<5.00	2.5	5.1	5.1	<5.00	2.5	<75.2	37.6	<49.4	24.7
cis-1,2-Dichloroethene				NE	*NE*	780,000	270	270	26	26	8.7	8.7	84	84	150	150	<49.4	24.7
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	15	15	<5.00	2.5	<5.00	2.5	14	14	<75.2	37.6	<49.4	24.7
1,2-Dichloropropane				18,000	*180,000*	9,400	<5.0	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
1,3,5-Trimethylbenzene				NE	*NE*	NE	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
cis-1,3-Dichloropropene				18,000	*180,000*	NE	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
trans-1,3-Dichloropropene				18,000	*180,000*	NE	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
Ethylbenzene	22,000	8,250	11,000	10,000	*100,000*	7,800,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
2-Hexanone				NE	*NE*	NE	<50.0	25	<50.0	25	<50.0	25	<50.0	25	<752	376	<494	247
Isopropylbenzene				NE	*NE*	3,100,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
Methylene Chloride	420	148	210	30,000	*300,000*	85,000	<10.0	5	<10.0	5	<10.0	5	<10.0	5	<600	300	<420	210
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	<50.0	25	<50.0	25	<50.0	25	<50.0	25	<752	376	<494	247
Naphthalene				5,600	*56,000*	310,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
n-Butylbenzene				NE	*NE*	5,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
n-Propylbenzene				NE	*NE*	NE	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
p-Isopropyltoluene				NE	*NE*	NE	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
sec-Butylbenzene				NE	*NE*	5,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
Styrene				NE	*NE*	21,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
tert-Butylbenzene				NE	*NE*		<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
Tetrachloroethene				6,000	*60,000*	12,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
Toluene	6,000	2,250	3,400	10,000	*100,000*	16,000,000	<5.00	2.5	<5.00	2.5	11	11	<5.00	2.5	<75.2	37.6	<49.4	24.7
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	*60,000*	7,000,000	<5.00	2.5	<5.00	2.5	<5.0	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
1,1,2-Trichloroethane				6,000	*60,000*	11,000	<5.00	2.5	<5.00	2.5	<5.0	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
Trichloroethene	2,520	945	1,260	6,000	*60,000*	58,000	5.7	5.7	<5.00	2.5	5.4	5.4	110	110	760	760	<49.4	24.7
Vinyl Chloride	456	171	228	6,000	*60,000*	340	14	14	<5.00	2.5	<5.00	2.5	36	36	<75.2	37.6	<49.4	24.7
o-xylene	4800	1800	2400	30,000	*300,000*	160,000,000	<5.00	2.5	<5.00	2.5	<5.00	2.5	<5.00	2.5	<75.2	37.6	<49.4	24.7
m&p-xylene						160,000,000	<10.0	5	<10.0	5	10	10	<10.0	5	<150	75	<98.8	49.4
Total VOCs		10,000		NE	NE	NE		545		274		298		484		4,834		4,006

Notes:

Bold: Analyte detected above the given action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics. Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

Prepared by: MB, CV
Date: 4/10/03
Checked by: JK
Date: 12/17/03

SCIENTECH, Inc.

Table 2
Summary of Test Pit Excavation Data
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-in-Action Levels	T-B20-7	PID 1.2	T-A10-3	PID 5.4	T-A10-7	PID 11.1	T-A10-12	PID 6.7	T-A20-7	PID 0.3	T-A20-12	PID 5.6
Lab Sample Number:	Fill	Clay	Sandy Silt				AD76620		AD76622		AD76623		AD76624		AD76625		AD76626	
Date Sampled:				ug/kg	*ug/kg*	ug/kg	4/2/03		4/3/03		4/3/03		4/3/03		4/3/03		4/3/03	
Soil Type																		
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	*1,600,000*	7,800,000	<100	50	<1600	800	<100	50	<1510	755	<100	50	<1500	750
Benzene	232	87	116	10,000	*100,000*	22,000	5.4	5.4	<79.8	39.9	<5.00	2.5	<75.6	37.8	8.6	8.6	<75.0	37.5
Bromodichloromethane				15,000	*150,000*	10,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
Bromoform				NE	*NE*	81,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
Bromomethane				15,000	*150,000*	110,000	<10.0	5	<170	85	<10.0	5	<175	87.5	<10.0	5	<130	65
2-Butanone (MEK)				36,000	*360,000*	47,000,000	<50.0	25	<798	399	<50.0	25	<756	378	<50.0	25	<750	375
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	<25.0	12.5	<399	199.5	<25.0	12.5	<378	189	<25.0	12.5	<375	187.5
Carbon Tetrachloride				6,000	*60,000*	4,900	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
Chlorobenzene				6,000	*60,000*	1,600,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
Chloroethane				6,000	*60,000*	49,000	<10.0	5	<160	80	<10.0	5	<151	75.5	<10.0	5	<150	75
Chloroform				6,000	*60,000*	100,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
Chloromethane				30,000	*300,000*	49,000	<10.0	5	<160	80	<10.0	5	<151	75.5	<10.0	5	<150	75
Dibromochloromethane				NE	*NE*	7,600	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
1,1-Dichloroethane	600	225	300	6,000	*60,000*	7,800,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
1,2-Dichloroethane	280	105	140	6,000	*60,000*	7,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
1,1-Dichloroethene				6,000	*60,000*	1,100	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
1,2,4-Trimethylbenzene				NE	*NE*	NE	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	7.3	7.3	<75.0	37.5
cis-1,2-Dichloroethene				NE	*NE*	780,000	<5.00	2.5	110	110	110	110	700	700	19	19	<75.0	37.5
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
1,2-Dichloropropane				18,000	*180,000*	9,400	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
1,3,5-Trimethylbenzene				NE	*NE*	NE	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
cis-1,3-Dichloropropene				18,000	*180,000*	NE	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
trans-1,3-Dichloropropene				18,000	*180,000*	NE	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
Ethylbenzene	22,000	8,250	11,000	10,000	*100,000*	7,800,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
2-Hexanone				NE	*NE*	NE	<50.0	25	<798	399	<50.0	25	<756	378	<50.0	25	<750	375
Isopropylbenzene				NE	*NE*	3,100,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
Methylene Chloride	420	158	210	30,000	*300,000*	85,000	<10.0	5	<190	95	<10.0	5	<610	305	<15.0	7.5	<275	137.5
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	<50.0	25	<798	399	<50.0	25	<756	378	<50.0	25	<750	375
Naphthalene				5,600	*56,000*	310,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
n-Butylbenzene				NE	*NE*	5,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
n-Propylbenzene				NE	*NE*	NE	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
p-Isopropyltoluene				NE	*NE*	NE	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
sec-Butylbenzene				NE	*NE*	5,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
Styrene				NE	*NE*	21,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
tert-Butylbenzene				NE	*NE*		<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
Tetrachloroethene				6,000	*60,000*	12,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
Toluene	6,000	2,250	3,000	10,000	*100,000*	16,000,000	11	11	<79.8	39.9	6.9	6.9	<75.6	37.8	19	19	<75.0	37.5
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	*60,000*	7,000,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
1,1,2-Trichloroethane				6,000	*60,000*	11,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
Trichloroethene	2,520	945	1,260	6,000	*60,000*	58,000	<5.00	2.5	110	110	38	38	**3,500**	3500	27	27	<75.0	37.5
Vinyl Chloride	456	171	228	6,000	*60,000*	340	<5.00	2.5	150	150	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
o-xylene	4800	1800	2400	30,000	*300,000*	180,000,000	<5.00	2.5	<79.8	39.9	<5.00	2.5	<75.6	37.8	<5.00	2.5	<75.0	37.5
m&p-xylene						160,000,000	<10.0	5	<160	80	<10.0	5	<151	75.5	15	15	<150	75
Total VOCs		10,000		NE	NE	NE		261		4,263		397		8,144	15	331		3,803

Notes:

Bold: Analyte detected above the given action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics. Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

Prepared by:JK
Date:7/28/03
Checked by DT
Date:7/28/03

SCIENTECH, Inc.

Table 3
Confirmation Sampling Results, Excavation Area 1
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)						TP3-N1a, 1-4	PID 0.7	TP3-N2a,1-4	PID 0.0	TP3-S1a,1-4	PID 21.1	TP3-W1-2	PID 48.2	TP3-W2-2	PID 103
Lab Sample Number:	Fill	Clay	Sandy Silt	Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-in-Action Levels	AD59738 Resample for TP3-N1-2 following excavation of additional material		AD59739 Resample for TP3-N2-2 following excavation of additional material		AD59740 Resample for TP3-S1-2 following excavation of additional material		AD53621		AD53622	
Date Sampled:				ug/kg	*ug/kg*	ug/kg	12/17/02		12/17/02		12/17/02		11/18/02		11/18/02	
Soil Type							Fill		Fill		Fill		Fill		Fill	
Volatile Organic Compounds (ug/kg)																
Acetone				160,000	*1,600,000*	7,800,000	<332	166	<308	154	<1960	980	<8120	4,060	<3820	1,910
Benzene	**232**	**87**	**116**	10,000	*100,000*	22,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Bromodichloromethane				15,000	*150,000*	10,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Bromoform				NE	*NE*	81,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Bromomethane				15,000	*150,000*	110,000	<33.2	17	<30.8	15	<196	98	<812	406	<382	191
2-Butanone (MEK)				36,000	*360,000*	47,000,000	<166	83	<15.4	8	<982	491	<4060	2,030	<1910	955
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	<83	42	<77	39	<491	246	<2030	1,015	<955	478
Carbon Tetrachloride				6,000	*60,000*	4,900	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Chlorobenzene				6,000	*60,000*	1,600,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Chloroethane				6,000	*60,000*	49,000	<33.2	17	<30.8	15	<196	98	<812	406	<382	191
Chloroform				6,000	*60,000*	100,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Chloromethane				30,000	*300,000*	49,000	<33.2	17	<30.8	15	<196	98	<812	406	<382	191
Dibromochloromethane				NE	*NE*	7,600	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,1-Dichloroethane	**600**	**225**	**300**	6,000	*60,000*	7,800,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,2-Dichloroethane	**280**	**105**	**140**	6,000	*60,000*	7,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,1-Dichloroethene				6,000	*60,000*	1,100	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,2,4-Trimethylbenzene				NE	*NE*	NE	<16.6	8	<15.4	8	<98.2	49	490	490	300	300
cis-1,2-Dichloroethene				NE	*NE*	780,000	18	18	19	19	290	290	<406	203	<191	96
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,2-Dichloropropane				18,000	*180,000*	9,400	<15.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,3,5-Trimethylbenzene				NE	*NE*	NE	<16.6	8	<15.4	8	<98.2	49	<406	203	250	250
cis-1,3-Dichloropropene				18,000	*180,000*	NE	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
trans-1,3-Dichloropropene				18,000	*180,000*	NE	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Ethylbenzene	**22,000**	**8,250**	**11,000**	10,000	*100,000*	7,800,000	<16.6	8	<15.4	8	170	170	<406	203	440	440
2-Hexanone				NE	*NE*	NE	<166	83	<154	77	<982	491	<4060	2,030	<1910	955
Isopropylbenzene				NE	*NE*	3,100,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Methylene Chloride	**420**	**158**	**210**	30,000	*300,000*	85,000	<35	18	<50	25	<290	145	<406	203	<191	96
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	<166	83	<154	77	982	982	<4060	2,030	<1910	955
Naphthalene				5,600	*56,000*	310,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
n-Butylbenzene				NE	*NE*	5,000	<16.8	8	<15.4	8	<98.2	49	<406	203	<191	96
n-Propylbenzene				NE	*NE*	NE	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
p-Isopropyltoluene				NE	*NE*	NE	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
sec-Butylbenzene				NE	*NE*	5,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Styrene				NE	*NE*	21,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
tert-Butylbenzene				NE	*NE*		<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Tetrachloroethene				6,000	*60,000*	12,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Toluene	**6,000**	**2,250**	**3,000**	10,000	*100,000*	16,000,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	6,000	*60,000*	7,000,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,1,2-Trichloroethane				6,000	*60,000*	11,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Trichloroethene	**2,520**	**945**	**1,260**	6,000	*60,000*	58,000	25	25	34	34	130	130	<406	203	<191	96
Vinyl Chloride	**456**	**171**	**228**	6,000	*60,000*	340	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
o-xylene	**4800**	**1800**	**2400**	30,000	*300,000*	160,000,000	<16.6	8	<15.4	8	190	190	420	420	850	850
m&p-xylene						160,000,000	<33.2	17	<30.8	15	470	470	2,500	2,500	2,300	2,300
Total VOCs		10,000		NE	NE	NE		857		748		6,401	**	22,695		13,022

Notes:

Bold: Analyte detected above the given action level
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained In" Action Level
NE = No Standard Established
J = Estimated Value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL

** **All below detection limits, Matrix interference causes artificially elevated average**

Prepared by: JK
Date: 7/28/03
Checked by: DT
Date: 7/28/03

SCIENTECH, Inc.

Table 3
Confirmation Sampling Results, Excavation Area 1
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-in-Action Levels	TP3-E1a 1-4	PID 11.6	TP3-B2-4.5	PID 60.1	TP3-B1a-9	PID 3.0	Average of samples	
Lab Sample Number:	Fill	Clay	Sandy Silt				AD57441 Resample for TP3-E1-2 following excavation of additional material		AD53625		AD57442 Resample for TP3-B1-4.5 following excavation of additional material			
Date Sampled:				ug/kg	*ug/kg*	ug/kg	12/6/02		11/18/02		12/6/02			
Soil Type							Fill		Clay		Clay			
Volatile Organic Compounds (ug/kg)														
Acetone				160,000	*1,600,000*	7,800,000	<370	185	<2400	1,200	<246	123	1,097	1,097
Benzene	**232**	**87**	**116**	10,000	*100,000*	22,000	<18.5	9	<120	60	<12.3	6	55	55
Bromodichloromethane				15,000	*150,000*	10,000	<18.5	9	<120	60	<12.3	6	55	55
Bromoform				NE	*NE*	81,000	<18.5	9	<120	60	<12.3	6	55	55
Bromomethane				15,000	*150,000*	110,000	<37	19	<240	120	<24.6	12	110	110
2-Butanone (MEK)				36,000	*360,000*	47,000,000	<185	93	<1200	600	<123	62	540	540
Carbon Disulfide				4.6mg/l TCLP	*48mg/l TCLP*	7,800,000	<92.5	46	<600	300	<61.5	31	274	274
Carbon Tetrachloride				6,000	*60,000*	4,900	<18.5	9	<120	60	<12.3	6	55	55
Chlorobenzene				6,000	*60,000*	1,600,000	<18.5	9	<120	60	<12.3	6	55	55
Chloroethane				6,000	*60,000*	49,000	<37	19	<240	120	<24.6	12	110	110
Chloroform				6,000	*60,000*	100,000	<18.5	9	<120	60	<12.3	6	55	55
Chloromethane				30,000	*300,000*	49,000	<37	19	<240	120	<24.6	12	110	110
Dibromochloromethane				NE	*NE*	7,600	<18.5	9	<120	60	<12.3	6	55	55
1,1-Dichloroethane	**600**	**225**	**300**	6,000	*60,000*	7,800,000	<18.5	9	<120	60	<12.3	6	55	55
1,2-Dichloroethane	**280**	**105**	**140**	6,000	*60,000*	7,000	<18.5	9	<120	60	<12.3	6	55	55
1,1-Dichloroethene				6,000	*60,000*	1,100	<18.5	9	<120	60	<12.3	6	55	55
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	<18.5	9	<120	60	<12.3	6	55	55
1,2,4-Trimethylbenzene				NE	*NE*	NE	<18.5	9	200	200	<12.3	6	134	134
cis-1,2-Dichloroethene				NE	*NE*	780,000	720	720	<120	60	<12.3	6	176	176
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	<18.5	9	<120	60	<12.3	6	55	55
1,2-Dichloropropane				18,000	*180,000*	9,400	<18.5	9	<120	60	<12.3	6	55	55
1,3,5-Trimethylbenzene				NE	*NE*	NE	<18.5	9	270	270	<12.3	6	100	100
cis-1,3-Dichloropropene				18,000	*180,000*	NE	<18.5	9	<120	60	<12.3	6	55	55
trans-1,3-Dichloropropene				18,000	*180,000*	NE	<18.5	9	<120	60	<12.3	6	55	55
Ethylbenzene	**22,000**	**8,250**	**11,000**	10,000	*100,000*	7,800,000	<18.5	9	<120	60	<12.3	6	113	113
2-Hexanone				NE	*NE*	NE	<185	93	<1200	600	<123	62	549	549
Isopropylbenzene				NE	*NE*	3,100,000	<18.5	9	<120	60	<12.3	6	55	55
Methylene Chloride	**420**	**156**	**210**	30,000	*300,000*	85,000	<115	58	<120	60	<20	10	77	77
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	<185	93	<1200	600	<123	62	610	610
Naphthalene				5,600	*56,000*	310,000	<18.5	9	<120	60	<12.3	6	55	55
n-Butylbenzene				NE	*NE*	5,000	<18.5	9	<120	60	<12.3	6	55	55
n-Propylbenzene				NE	*NE*	NE	<18.5	9	<120	60	<12.3	6	55	55
p-Isopropyltoluene				NE	*NE*	NE	<18.5	9	<120	60	<12.3	6	55	55
sec-Butylbenzene				NE	*NE*	5,000	<18.5	9	<120	60	<12.3	6	55	55
Styrene				NE	*NE*	21,000	<18.5	9	<120	60	<12.3	6	55	55
tert-Butylbenzene				NE	*NE*		<18.5	9	<120	60	<12.3	6	55	55
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	<18.5	9	<120	60	<12.3	6	55	55
Tetrachloroethene				6,000	*60,000*	12,000	<18.5	9	<120	60	<12.3	6	55	55
Toluene	**6,000**	**2,250**	**3,990**	10,000	*100,000*	16,000,000	<18.5	9	<120	60	<12.3	6	55	55
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	6,000	*60,000*	7,000,000	<18.5	9	<120	60	<12.3	6	55	55
1,1,2-Trichloroethane				6,000	*60,000*	11,000	<18.5	9	<120	60	<12.3	6	55	55
Trichloroethene	**2,520**	**945**	**1,260**	6,000	*60,000*	58,000	30	30	<120	60	<12.3	6	73	73
Vinyl Chloride	**456**	**171**	**228**	6,000	*60,000*	340	<18.5	9	<120	60	<12.3	6	55	55
o-xylene	**4800**	**1800**	**2400**	30,000	*300,000*	160,000,000	<18.5	9	**1,600**	1,600	<12.3	6	386	386
m&p-xylene						160,000,000	<37	19	**3,400**	3,400	<24.6	12	1,092	1,092
Total VOCs		**10,000**		NE	NE	NE		**1,696**		**11,110**		**613**		**7,143**

Notes:

Bold: Analyte detected above the given action level
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained In" Action Level
NE = No Standard Established
J = Estimated Value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL

** **All below detection limits, Matrix interference causes artificially elevated average**

Prepared by:JK
Date:7/28/03
Checked by:DT
Date:7/28/03

SCIENTECH, Inc.

Table 4

Confirmation Sampling Results, Excavation Area 2

LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-in-Action Levels	C11-B, 4	PID 11.3	C12-TB 13	PID 58.4	C12-Eb1, 1-4	PID 10.0	C12-Eb2, 1-4	PID 36.6	C12-SW2a,1-4	PID 3.6	C12-SEa,1-4	PID 4.0
	Fill	Clay	Sandy Silt															
Lab Sample Number							AD83919		AD65685		AD71328		AD71329		AD82616 Resample for C12-SW2,1-4		AD82618 Resample for C12-SE, 1-4	
Date Sampled				ug/kg	ug/kg	ug/kg	5/6/03		1/23/03		3/5/03		3/5/03		4/30/03		4/30/03	
Soil Type							Clay		Fine sand		Fill		Fill		Fill		Fill	
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	1,600,000	7,800,000	<2360	1,180	<260	130	<1870	935	<1520	760	<100	50	<100	50
Benzene	**232**	**87**	**116**	10,000	100,000	22,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	11	11
Bromodichloromethane				15,000	150,000	10,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Bromoform				NE	NE	81,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Bromomethane				15,000	150,000	110,000	<236	118	<26.0	13	<187	94	<152	76	<10	5	<10	5
2-Butanone (MEK)				36,000	360,000	47,000,000	<1180	590	<130	65	<934	467	<762	381	<50	25	<50	25
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	<590	295	<65.0	33	<467	234	<381	191	<25	13	<25	13
Carbon Tetrachloride				6,000	60,000	4,900	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Chlorobenzene				6,000	60,000	1,600,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Chloroethane				6,000	60,000	49,000	<236	118	<26.0	13	<187	94	<152	76	<10	5	<10	5
Chloroform				6,000	60,000	100,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Chloromethane				30,000	300,000	49,000	<236	118	<26.0	13	<187	94	<152	76	<10	5	<10	5
Dibromochloromethane				NE	NE	7,600	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,1-Dichloroethane	**600**	**225**	**300**	6,000	60,000	7,800,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,2-Dichloroethane	**280**	**105**	**140**	6,000	60,000	7,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,1-Dichloroethene				6,000	60,000	1,100	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,2-Dichlorobenzene				6,000	60,000	7,800,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,2,4-Trimethylbenzene				NE	NE	NE	<118	59	<13.0	7	<93.4	47	<76.2	38	6	6	10	10
cis-1,2-Dichloroethene				NE	NE	780,000	<118	59	100	100	570	570	370	370	29	29	<10	5
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,2-Dichloropropane				18,000	180,000	9,400	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,3,5-Trimethylbenzene				NE	NE	NE	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
cis-1,3-Dichloropropene				18,000	180,000	NE	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
trans-1,3-Dichloropropene				18,000	180,000	NE	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Ethylbenzene	**22,000**	**8,250**	**11,000**	10,000	100,000	7,800,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
2-Hexanone				NE	NE	NE	<1180	590	<130	65	<934	467	<762	381	<50	25	<50	25
Isopropylbenzene				NE	NE	3,100,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Methylene Chloride	**420**	**158**	**210**	30,000	300,000	85,000	<150	75	<13.0	7	<220	110	<180	90	<5	3	<5	3
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	<1180	590	<130	65	<934	467	<762	381	<50	25	<50	25
Naphthalene				5,600	56,000	310,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
n-Butylbenzene				NE	NE	5,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
n-Propylbenzene				NE	NE	NE	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
p-Isopropyltoluene				NE	NE	NE	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
sec-Butylbenzene				NE	NE	5,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Styrene				NE	NE	21,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
tert-Butylbenzene				NE	NE		<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Tetrachloroethene				6,000	60,000	12,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Toluene	**6,000**	**2,250**	**3,000**	10,000	100,000	16,000,000	<118	59	<13.0	7	<93.4	47	<76.2	38	9.7	10	23	23
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	6,000	60,000	7,000,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,1,2-Trichloroethane				6,000	60,000	11,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Trichloroethene	**2,520**	**945**	**1,260**	6,000	60,000	58,000	310	310	14	14	310	310	<76.2	38	7.1	7	<10	5
Vinyl Chloride	**456**	**171**	**228**	6,000	60,000	340	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
o-xylene	**4800**	**1800**	**2400**	30,000	300,000	160,000,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	6.6	7
m&p-xylene						160,000,000	<236	118	<26.0	13	<187	94	<152	76	10	10	22	22
Total VOCs		**10,000**		NE	NE	NE		**6,108**		**745**		**5,475**		**4,153**		**294**		**310**

Notes:

Bold: Analyte detected above the given action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

NA = Not analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

File: \\Nes-nt\Dept\DEPT020\31128-9(3947-8)-LEICA\DELVDSGN\Excavation Data Soil\EX Data
Sheet: Confirmation Samples-Ex Area 2

SCIENTECH, Inc.

Table 4
Confirmation Sampling Results, Excavation Area 2
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM contained-in- Action Levels	C12-B, 12	PID 21.6	C12-SW1b,1-4	PID 4.2	C12-SW3a,1-4	PID 8.6	C12-SW,5-7	PID 1.2	C12-SW,8-10	PID 2.0	C12-SW2, 5-7	PID 8.7
Lab Sample Number:	Fill	Clay	Sandy Silt				AD83922		AD86022 Resample for C12-SW1a,1-4		AD86023 Resample for C12-SW3,1-4		AD86782		AD86783		AD87106	
Date Sampled:				ug/kg	ug/kg	ug/kg	5/6/03		5/14/03		5/14/03		5/16/03		5/16/03		5/19/03	
Soil Type							Sandy/Silt		Fill		Fill		Clay		Sandy/Silt		Clay	
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	1,600,000	7,800,000	<3000	1,500	<1490	745	<1410	705	<1540	770	<1540	770	<1510	755
Benzene	232	87	116	10,000	100,000	22,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Bromodichloromethane				15,000	150,000	10,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Bromoform				NE	NE	81,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Bromomethane				15,000	150,000	110,000	<148	74	<149	75	<141	71	<154	77	<154	77	<151	76
2-Butanone (MEK)				36,000	360,000	47,000,000	<2000	1,000	<745	373	<705	353	<768	384	<769	385	<756	378
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	<370	185	<372	186	<352	176	<384	192	<384	192	<378	189
Carbon Tetrachloride				6,000	60,000	4,900	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Chlorobenzene				6,000	60,000	1,600,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Chloroethane				6,000	60,000	49,000	<148	74	<149	75	<141	71	<154	77	<154	77	<151	76
Chloroform				6,000	60,000	100,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Chloromethane				30,000	300,000	49,000	<148	74	<149	75	<141	71	<154	77	<154	77	<151	76
Dibromochloromethane				NE	NE	7,600	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,1-Dichloroethane	600	225	300	6,000	60,000	7,800,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,1-Dichloroethene				6,000	60,000	1,100	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,2-Dichlorobenzene				6,000	60,000	7,800,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,2,4-Trimethylbenzene				NE	NE	NE	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
cis-1,2-Dichloroethene				NE	NE	780,000	1,000	1,000	<74.5	37	390	390	<76.8	38	110	110	520	520
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,2-Dichloropropane				18,000	180,000	9,400	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,3,5-Trimethylbenzene				NE	NE	NE	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
cis-1,3-Dichloropropene				18,000	180,000	NE	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
trans-1,3-Dichloropropene				18,000	180,000	NE	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
2-Hexanone				NE	NE	NE	<740	370	<745	373	<705	353	<768	384	<769	385	<756	378
Isopropylbenzene				NE	NE	3,100,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Methylene Chloride	420	158	210	30,000	300,000	85,000	<170	85	<510	255	<300	150	<384	192	<384	192	<378	189
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	<740	370	<745	373	<705	353	<768	384	<769	385	<756	378
Naphthalene				5,600	56,000	310,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
n-Butylbenzene				NE	NE	5,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
n-Propylbenzene				NE	NE	NE	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
p-Isopropyltoluene				NE	NE	NE	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
sec-Butylbenzene				NE	NE	5,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Styrene				NE	NE	21,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
tert-Butylbenzene				NE	NE		<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Tetrachloroethene				6,000	60,000	12,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.8	38
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,1,2-Trichloroethane				6,000	60,000	11,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	380	380	380	380	1,500	1.500	<76.8	38	<76.9	38	200	200
Vinyl Chloride	456	171	228	6,000	60,000	340	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
m&p-xylene						160,000,000	<148	74	<149	75	<141	71	<154	77	<154	77	<151	76
Total VOCs		10,000		NE	NE	NE		6,407		4,248		5,424		3,958		4,033		4,536

Notes:

Bold: Analyte detected above the given action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained in" Action Level

NE = No Standard Established

NA = Not analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

Prepared by: JK
Date: 7/28/03
Checked by: DT
Date: 7/28/03

SCIENTECH, Inc.

Table 4
Confirmation Sampling Results, Excavation Area 2
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs) Fill	Clay	Sandy Silt	Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-in-Action Levels	C12-SW2,8-10	PID 2.2	C12-Eb, 5-6	PID 2.5	C12-Eb,7-9	PID 3.4	C12-SE,5-7	PID 3.0	C12-SE,8-10	PID 14.1	C13-B, 10	PID 18.4
Lab Sample Number:							AD87107		AD87434		AD87435		AD87436		AD87437		AD83920	
Date Sampled:				ug/kg	*ug/kg*	ug/kg	5/19/03		5/20/03		5/20/03		5/20/03		5/20/03		5/6/03	
Soil Type							Sandy/Silt		Clay		Sandy/Silt		Clay		Sandy/Silt		Sandy/Silt	
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	*1,600,000*	7,800,000	<1130	565	<800	400	<820	410	<920	460	<1020	510	<1640	820
Benzene	**232**	**87**	**116**	10,000	*100,000*	22,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Bromodichloromethane				15,000	*150,000*	10,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Bromoform				NE	*NE*	81,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Bromomethane				15,000	*150,000*	110,000	<113	57	<80	40	<82	41	<92	46	<102	51	<164	82
2-Butanone (MEK)				36,000	*360,000*	47,000,000	<564	282	<400	200	<410	205	<460	230	<510	255	<820	410
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	<282	141	<200	100	<205	103	<230	115	<255	128	<410	205
Carbon Tetrachloride				6,000	*60,000*	4,900	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Chlorobenzene				6,000	*60,000*	1,600,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Chloroethane				6,000	*60,000*	49,000	<113	57	<80	40	<82	41	<92	46	<102	51	<164	82
Chloroform				6,000	*60,000*	100,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Chloromethane				30,000	*300,000*	49,000	<113	57	<80	40	<82	41	<92	46	<102	51	<164	82
Dibromochloromethane				NE	*NE*	7,600	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,1-Dichloroethane	**600**	**225**	**300**	6,000	*60,000*	7,800,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,2-Dichloroethane	**280**	**105**	**140**	6,000	*60,000*	7,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,1-Dichloroethene				6,000	*60,000*	1,100	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	330	330
1,2,4-Trimethylbenzene				NE	*NE*	NE	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
cis-1,2-Dichloroethene				NE	*NE*	780,000	200	200	<40	20	130	130	<46	23	<51	26	520	520
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,2-Dichloropropane				18,000	*180,000*	9,400	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,3,5-Trimethylbenzene				NE	*NE*	NE	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
cis-1,3-Dichloropropene				18,000	*180,000*	NE	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
trans-1,3-Dichloropropene				18,000	*180,000*	NE	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Ethylbenzene	**22,000**	**8,250**	**11,000**	10,000	*100,000*	7,800,000	<56.4	28	<40	20	<41	21	<46	23	160	160	<82	41
2-Hexanone				NE	*NE*	NE	<564	282	<400	200	<410	205	<460	230	<510	255	<820	410
Isopropylbenzene				NE	*NE*	3,100,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Methylene Chloride	**420**	**158**	**210**	30,000	*300,000*	85,000	<400	200	<200	100	<205	103	<230	115	<255	128	<100	50
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	<564	282	<400	200	<410	205	<460	230	<510	255	<820	410
Naphthalene				5,600	*56,000*	310,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
n-Butylbenzene				NE	*NE*	5,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
n-Propylbenzene				NE	*NE*	NE	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
p-Isopropyltoluene				NE	*NE*	NE	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
sec-Butylbenzene				NE	*NE*	5,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Styrene				NE	*NE*	21,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
tert-Butylbenzene				NE	*NE*		<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Tetrachloroethene				6,000	*60,000*	12,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Toluene	**6,000**	**2,250**	**3,000**	10,000	*100,000*	16,000,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	6,000	*60,000*	7,000,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,1,2-Trichloroethane				6,000	*60,000*	11,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Trichloroethene	**2,520**	**945**	**1,260**	6,000	*60,000*	58,000	<56.4	28	52	52	<41	21	<46	23	<51	26	<82	41
Vinyl Chloride	**456**	**171**	**228**	6,000	*60,000*	340	<65	33	<40	20	<41	21	<46	23	<51	26	<82	41
o-xylene	**4800**	**1800**	**2400**	30,000	*300,000*	160,000,000	<56.4	28	<40	20	<41	21	<46	23	110	110	<82	41
m&p-xylene						160,000,000	<113	57	<80	40	<82	41	<92	46	230	230	<164	82
Total VOCs		10,000		NE	NE	NE		3,141		2,092		2,221		2,369		3,025		4,836

Notes:

Bold: Analyte detected above the given action level

Bold and Boxed. Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

NA = Not analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

File: \\Nes-nt\Dept\DEPT020\31128-9(3947-8)-LEICA\DELVDSGN\Excavation Data SoilEX Data
Sheet: Confirmation Samples-Ex Area 2

Prepared by JK
Date 7/28/03
Checked by DT
Date 7/28/03

SCIENTECH, Inc.

Table 4
Confirmation Sampling Results, Excavation Area 2
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-in-Action Levels	C13-Wa.5-7	PID 5.1	C13-W.8-10	PID 8.2	C21-B. 3	PID 21.0	C21 E-4'	PID 26.0	C22-B1. 12	PID 15.1	C22Ba-10	PID 20.1
Lab Sample Number:	Fill	Clay	Sandy Silt				AD87779		AD87780		AD49722		AD 49721		AD64569		AD72490	
Date Sampled:				ug/kg	ug/kg	ug/kg	5/21/03		5/21/03		10/30/02		10/30/02		1/17/03		3/13/03	
Soil Type:							Clay		Sandy/Silt		Clay		Clay		Gray Clay		Sand	
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	1,600,000	7,800,000	<1060	530	<1040	520	<364	182	<350	175	<240	120	<1,280	640
Benzene	**232**	**87**	**116**	10,000	100,000	22,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Bromodichloromethane				15,000	150,000	10,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Bromoform				NE	NE	81,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Bromomethane				15,000	150,000	110,000	<106	53	<104	52	<36.4	18	<35	18	<24.0	12	<128	64
2-Butanone (MEK)				36,000	360,000	47,000,000	<530	265	<520	260	<182	91	<175	88	<120	60	<640	320
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	<265	133	<260	130	<91	46	<87.5	44	<60	30	<320	160
Carbon Tetrachloride				6,000	60,000	4,900	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Chlorobenzene				6,000	60,000	1,600,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Chloroethane				6,000	60,000	49,000	<106	53	<104	52	<36.4	18	<35	18	<24.0	12	<128	64
Chloroform				6,000	60,000	100,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Chloromethane				30,000	300,000	49,000	<106	53	<104	52	<36.4	18	<35	18	<24.0	12	<128	64
Dibromochloromethane				NE	NE	7,600	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,1-Dichloroethane	**600**	**225**	**300**	6,000	60,000	7,800,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,2-Dichloroethane	**280**	**105**	**140**	6,000	60,000	7,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,1-Dichloroethene				6,000	60,000	1,100	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,2-Dichlorobenzene				6,000	60,000	7,800,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	3,700	3,700
1,2,4-Trimethylbenzene				NE	NE	NE	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
cis-1,2-Dichloroethene				NE	NE	780,000	<53	27	830	830	19	19	130	130	440	440	420	420
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,2-Dichloropropane				18,000	180,000	9,400	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,3,5-Trimethylbenzene				NE	NE	NE	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	140	140
cis-1,3-Dichloropropene				18,000	180,000	NE	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
trans-1,3-Dichloropropene				18,000	180,000	NE	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Ethylbenzene	**12,000**	**4,250**	**11,000**	10,000	100,000	7,800,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
2-Hexanone				NE	NE	NE	<530	265	<520	260	<182	91	<175	88	<120	60	<640	320
Isopropylbenzene				NE	NE	3,100,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Methylene Chloride	**420**	**150**	**210**	30,000	300,000	85,000	<265	133	<260	130	<85	43	<85	43	<25	13	<64.0	32
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	<530	265	<520	260	<182	91	<175	88	<120	60	<640	320
Naphthalene				5,600	56,000	310,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	190	190
n-Butylbenzene				NE	NE	5,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	65	65
n-Propylbenzene				NE	NE	NE	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
p-Isopropyltoluene				NE	NE	NE	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	67	67
sec-Butylbenzene				NE	NE	5,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Styrene				NE	NE	21,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
tert-Butylbenzene				NE	NE		<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Tetrachloroethene				6,000	60,000	12,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Toluene	**6,000**	**2,250**	**3,000**	10,000	100,000	16,000,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	6,000	60,000	7,000,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,1,2-Trichloroethane				6,000	60,000	11,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Trichloroethene	**2,520**	**945**	**1,260**	6,000	60,000	58,000	490	490	210	210	<18.2	9	44	44	13	13	470	470
Vinyl Chloride	**456**	**171**	**228**	6,000	60,000	340	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
o-xylene	**4800**	**1800**	**2400**	30,000	300,000	160,000,000	<53	27	<52	26	<18.2	9	<17.5	9	22	22	120	120
m&p-xylenes						160,000,000	<106	53	<104	52	<36.4	18	<35	18	42	42	<128	64
Total VOCs		10,000		NE	NE	NE		3,193		3,666		944		1,057		1,088		8,084

Notes:

Bold: Analyte detected above the given action level
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained In" Action Level
NE = No Standard Established
NA = Not analyzed
J = Estimated value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL

File: \\Nes-nt\Dept\DEPT020\31128-9(3947-8)-LEICA\DELVDSGN\Excavation Data SoilEX Data
Sheet: Confirmation Samples-Ex Area 2

Table 4

Confirmation Sampling Results, Excavation Area 2

LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)						C22-Wb, 1-4	PID 2.4	C22-SWa-8	PID 7.6	C22-W, 5-7'	PID 2.3	C22-SW1b,1-4	PID 3.6	C22-E,8-10	PID 15.9	C22-N,8-10	PID 9.2
Lab Sample Number:	Fill	Clay	Sandy Silt	Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-in-Action Levels	AD82613 Resample for C22-Wa,1-4		AD83596 Resample for C22SW-8		AD83597		AD86024 Resample for C22-SW1, 1-4		AD88128		AD88127	
Date Sampled:				ug/kg	*ug/kg*	ug/kg	4/30/03		5/5/03		5/5/03		5/14/03		5/22/03		5/22/03	
Soil Type							Fill		Clay		Clay		Fill		Sandy/Silt		Sandy/Silt	
Volatile Organic Compounds (ug/kg)																		
Acetone				100,000	1,600,000	7,800,000	<100	50	<1640	820	<1480	740	<1500	750	<1260	630	<1020	510
Benzene	**232**	**87**	**116**	10,000	100,000	22,000	7.1	7	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Bromodichloromethane				15,000	150,000	10,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Bromoform				NE	NE	81,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Bromomethane				15,000	150,000	110,000	<10	5	<164	82	<148	74	<150	75	<126	63	<102	51
2-Butanone (MEK)				36,000	360,000	47,000,000	<50	25	<820	410	<740	370	<750	375	<629	315	<511	256
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	<25	13	<410	205	<370	185	<375	188	<314	157	<256	128
Carbon Tetrachloride				6,000	60,000	4,900	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Chlorobenzene				6,000	60,000	1,600,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Chloroethane				6,000	60,000	49,000	<10	5	<164	82	<148	74	<150	75	<126	63	<102	51
Chloroform				6,000	60,000	100,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Chloromethane				30,000	300,000	49,000	<10	5	<164	82	<148	74	<150	75	<126	63	<102	51
Dibromochloromethane				NE	NE	7,600	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,1-Dichloroethane	**600**	**225**	**300**	6,000	60,000	7,800,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,2-Dichloroethane	**280**	**105**	**140**	6,000	60,000	7,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,1-Dichloroethene				6,000	60,000	1,100	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,2-Dichlorobenzene				6,000	60,000	7,800,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,2,4-Trimethylbenzene				NE	NE	NE	10	10	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
cis-1,2-Dichloroethene				NE	NE	780,000	12	12	710	710	<74	37	540	540	150	150	190	190
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,2-Dichloropropane				18,000	180,000	9,400	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,3,5-Trimethylbenzene				NE	NE	NE	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
cis-1,3-Dichloropropene				18,000	180,000	NE	<5	3	<62	41	<74	37	<75	38	<62.9	31	<51.1	26
trans-1,3-Dichloropropene				18,000	180,000	NE	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Ethylbenzene	**22,000**	**8,250**	**11,000**	10,000	100,000	7,800,000	<5	3	<82	41	<74	37	<75	38	250	250	<51.1	28
2-Hexanone				NE	NE	NE	<50	25	<820	410	<740	370	<750	375	<629	315	<511	256
Isopropylbenzene				NE	NE	3,100,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Methylene Chloride	**420**	**158**	**210**	30,000	300,000	85,000	<5	3	<130	65	<120	60	<325	163	<314	157	<256	128
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	<50	25	<820	410	<740	370	<750	375	<629	315	<511	256
Naphthalene				5,600	56,000	310,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
n-Butylbenzene				NE	NE	5,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
n-Propylbenzene				NE	NE	NE	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
p-Isopropyltoluene				NE	NE	NE	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
sec-Butylbenzene				NE	NE	5,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Styrene				NE	NE	21,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
tert-Butylbenzene				NE	NE		<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Tetrachloroethene				6,000	60,000	12,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Toluene	**6,000**	**2,250**	**3,000**	10,000	100,000	16,000,000	16	16	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	6,000	60,000	7,000,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,1,2-Trichloroethane				8,000	60,000	11,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Trichloroethene	**2,520**	**945**	**1,260**	6,000	60,000	58,000	6.5	7	330	330	<74	37	2,100	2,100	390	390	100	100
Vinyl Chloride	**456**	**171**	**228**	6,000	60,000	340	<5	3	87	87	<74	37	<75	38	<62.9	31	<51.1	26
o-xylene	**4800**	**1800**	**2400**	30,000	300,000	160,000,000	5.8	6	<82	41	<74	37	<75	38	270	270	<51.1	26
m&p-xylene						160,000,000	18	18	<164	82	<148	74	<150	75	820	820	<102	51
Total VOCs		**10,000**		NE	NE	NE		**303**		**5,087**		**3,686**		**6,403**		**4,931**		**2,870**

Notes:

Bold: Analyte detected above the given action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

NA = Not analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

Prepared by:JK
Date:7/28/03
Checked by:DT
Date:7/28/03

SCIENTECH, Inc.

Table 4
Confirmation Sampling Results, Excavation Area 2
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)																	
							C31-B1-5	PID 154	C31-B2-9	PID 28.9	C31-E1a 1-4	PID 24.7	C31-N1-2	PID 12.4	C32-B1-4	PID 19.1	C33-Wa, 1-4	PID 4.5
Lab Sample Number:	Fill	Clay	Sandy Silt	Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-in-Action Levels			AD61079		AD57440 Resample for C31-E1a-2 following additional excavation		AD52696		AD61080		AD72047	
Date Sampled:				ug/kg	*ug/kg*	ug/kg	11/13/02		12/20/2002	Drager Tube VC=ND	12/5/02		11/14/02		12/21/02	Drager Tube VC=ND	3/11/03	Drager Tube
Soil Type							Clay		Sandy Silt		Fill		Fill		Fill	TCE=ND	Sand	VC = 0
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	*1,600,000*	7,800,000	<1240	620	<260	130	<354	177	<2700	1,350	<260	130	<160	80
Benzene	**232**	**87**	**116**	10,000	*100,000*	22,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Bromodichloromethane				15,000	*150,000*	10,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<16.0	8
Bromoform				NE	*NE*	81,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Bromomethane				15,000	*150,000*	110,000	<124	62	<26	13	<35.4	18	<270	135	<26	13	<16.0	8
2-Butanone (MEK)				36,000	*360,000*	47,000,000	<620	310	<130	65	<177	89	<1350	675	<130	65	<80.0	40
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	<310	155	<65	33	<88.5	44	<675	338	<65	33	<40.0	20
Carbon Tetrachloride				6,000	*60,000*	4,900	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Chlorobenzene				6,000	*60,000*	1,600,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Chloroethane				6,000	*60,000*	49,000	<124	62	<26	13	<35.4	18	<270	135	<26	13	<16.0	8
Chloroform				6,000	*60,000*	100,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Chloromethane				30,000	*300,000*	49,000	<124	62	<26	13	<35.4	18	<270	135	<26	13	<16.0	8
Dibromochloromethane				NE	*NE*	7,800	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
1,1-Dichloroethane	**600**	**225**	**300**	6,000	*60,000*	7,800,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
1,2-Dichloroethane	**280**	**105**	**140**	6,000	*60,000*	7,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
1,1-Dichloroethene				6,000	*60,000*	1,100	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
1,2,4-Trimethylbenzene				NE	*NE*	NE	320	320	<13	7	<17.7	9	140	140	<13	7	<8.00	4
cis-1,2-Dichloroethene				NE	*NE*	780,000	3,000	3,000	75	75	1,600	1,600	1,300	1,300	80	80	240	240
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	<62	31	<13	7	31	31	210	210	<13	7	16	16
1,2-Dichloropropane				18,000	*180,000*	9,400	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
1,3,5-Trimethylbenzene				NE	*NE*	NE	160	160	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
cis-1,3-Dichloropropene				18,000	*180,000*	NE	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
trans-1,3-Dichloropropene				18,000	*180,000*	NE	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Ethylbenzene	**22,000**	**8,250**	**11,000**	10,000	*100,000*	7,800,000	380	380	<13	7	<17.7	9	550	550	<13	7	<8.00	4
2-Hexanone				NE	*NE*	NE	<620	310	<130	65	<177	89	<1350	675	<130	65	<80.0	40
Isopropylbenzene				NE	*NE*	3,100,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Methylene Chloride	**420**	**158**	**210**	30,000	*300,000*	85,000	<62	31	<20	10	<25	13	<135	68	<25	13	<15.0	8
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	<620	310	<130	65	<177	89	<1350	675	<130	65	<80.0	40
Naphthalene				5,600	*56,000*	310,000	110	110	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
n-Butylbenzene				NE	*NE*	5,000	67	67	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
n-Propylbenzene				NE	*NE*	NE	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
p-Isopropyltoluene				NE	*NE*	NE	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
sec-Butylbenzene				NE	*NE*	5,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Styrene				NE	*NE*	21,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
tert-Butylbenzene				NE	*NE*		<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Tetrachloroethene				6,000	*60,000*	12,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Toluene	**8,000**	**2,250**	**3,000**	10,000	*100,000*	16,000,000	150	150	<13	7	<17.7	9	390	390	<13	7	<8.00	4
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	6,000	*60,000*	7,000,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
1,1,2-Trichloroethane				6,000	*60,000*	11,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Trichloroethene	**2,520**	**945**	**1,260**	6,000	*60,000*	58,000	130	130	270	270	860	860	450	450	<13	7	200	200
Vinyl Chloride	**456**	**171**	**228**	6,000	*60,000*	340	**200**	200	<13	7	<17.7	9	340	340	<13	7	<8.00	4
o-xylene	**4800**	**1800**	**2400**	30,000	*300,000*	160,000,000	**950**	950	<13	7	<17.7	9	1,300	1,300	<13	7	<8.00	4
m&p-xylene						160,000,000	**2,200**	2,200	<26	13	<35.4	18	1,700	1,700	<26	13	<16.0	8
Total VOCs		10,000		NE	NE	NE		**10,364**		**979**		**3,344**		**12,388**		**723**		**848**

Notes:

Bold: Analyte detected above the given action level
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained In" Action Level
NE = No Standard Established
NA = Not analyzed
J = Estimated Value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL

Table 4

Confirmation Sampling Results, Excavation Area 2

LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs) Fill	Clay	Sandy Silt	Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-in-Action Levels	C33Ba-14	PID 17.6	C33W, 8-10	PID NA	C34-B1-12'	PID 5.5	C34-B2-12'	PID 5.8	C34-N,1-4'	PID 6.9	C34-N,5-7'	PID 1.9
Lab Sample Number:							AD72488		AD76627		AD83593		AD83594		AD83598		AD83599	
Date Sampled:				ug/kg	*ug/kg*	ug/kg	3/13/03		4/3/03	Drager Tube VC<2	5/2/03		5/2/03		5/5/03		5/5/03	
Soil Type							Fine Sand		Sandy/Silt	TCE=0	Sandy/Silt		Sandy/Silt		Fill		Clay	
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	*1,600,000*	7,800,000	<240	120	<1600	800	<1300	650	<860	430	<1860	930	<1400	700
Benzene	**232**	**87**	**116**	10,000	*100,000*	22,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Bromodichloromethane				15,000	*150,000*	10,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Bromoform				NE	*NE*	81,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Bromomethane				15,000	*150,000*	110,000	<24.0	12	<160	80	<130	65	<86.0	43	<186	93	<140	70
2-Butanone (MEK)				36,000	*360,000*	47,000,000	<120	60	<802	401	<650	325	<430	215	<930	465	<700	350
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	<60.0	30	<401	201	<325	163	<215	108	<465	233	<350	175
Carbon Tetrachloride				6,000	*60,000*	4,900	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Chlorobenzene				6,000	*60,000*	1,600,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Chloroethane				6,000	*60,000*	49,000	<24.0	12	<160	80	<130	65	<86	43	<186	93	<140	70
Chloroform				6,000	*60,000*	100,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Chloromethane				30,000	*300,000*	49,000	<24.0	12	<160	80	<65	33	<86	43	<186	93	<140	70
Dibromochloromethane				NE	*NE*	7,600	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,1-Dichloroethane	**600**	**225**	**300**	6,000	*60,000*	7,800,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,2-Dichloroethane	**280**	**105**	**140**	6,000	*60,000*	7,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,1-Dichloroethene				6,000	*60,000*	1,100	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,2,4-Trimethylbenzene				NE	*NE*	NE	<12.0	6	380	380	<65	33	<43	22	<93	47	<70	35
cis-1,2-Dichloroethene				NE	*NE*	780,000	1,200	1,200	470	470	<65	33	170	170	<93	47	<70	35
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	13	13	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,2-Dichloropropane				18,000	*180,000*	9,400	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,3,5-Trimethylbenzene				NE	*NE*	NE	<12.0	6	280	280	<65	33	<43	22	<93	47	<70	35
cis-1,3-Dichloropropene				18,000	*180,000*	NE	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
trans-1,3-Dichloropropene				18,000	*180,000*	NE	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Ethylbenzene	**22,000**	**8,250**	**11,000**	10,000	*100,000*	7,800,000	15	15	550	550	<65	33	<43	22	<93	47	<70	35
2-Hexanone				NE	*NE*	NE	<120	60	<802	401	<650	325	<430	215	<930	465	<700	350
Isopropylbenzene				NE	*NE*	3,100,000	<12.0	6	160	160	<65	33	<43	22	<93	47	<70	35
Methylene Chloride	**420**	**158**	**210**	30,000	*300,000*	85,000	<24.0	12	<275	138	<65	33	<70	35	<150	75	<120	60
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	<120	60	<802	401	<650	325	<430	215	<930	465	<700	350
Naphthalene				5,600	*56,000*	310,000	<12.0	6	90	90	<65	33	<43	22	<93	47	<70	35
n-Butylbenzene				NE	*NE*	5,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
n-Propylbenzene				NE	*NE*	NE	<12.0	6	110	110	<65	33	<43	22	<93	47	<70	35
p-Isopropyltoluene				NE	*NE*	NE	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
sec-Butylbenzene				NE	*NE*	5,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Styrene				NE	*NE*	21,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
tert-Butylbenzene				NE	*NE*		<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Tetrachloroethene				6,000	*60,000*	12,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Toluene	**6,000**	**2,250**	**3,000**	10,000	*100,000*	16,000,000	14	14	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	6,000	*60,000*	7,000,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,1,2-Trichloroethane				6,000	*60,000*	11,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Trichloroethene	**2,520**	**945**	**1,260**	6,000	*60,000*	58,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Vinyl Chloride	**456**	**171**	**228**	6,000	*60,000*	340	<24.0	12	91	91	100	100	<43	22	<93	47	<70	35
o-xylene	**4800**	**1800**	**2400**	30,000	*300,000*	160,000,000	23	23	410	410	<65	33	<43	22	<93	47	<70	35
m&p-xylene						160,000,000	40	40	1,300	1,300	<130	65	<86	43	<186	93	<140	70
Total VOCs		10,000		NE	NE	NE		1,869		7,465		3,253		2,291		4,632		3,490

Notes:

Bold: Analyte detected above the given action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

NA = Not analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

Prepared by:JK
Date:7/28/03
Checked by:DT
Date:7/28/03

SCIENTECH, Inc.

Table 4
Confirmation Sampling Results, Excavation Area 2
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)						C44-B-6.0'	PID 200	C44-B-4'	PID 1.9	C44-B-4' (11-12-02)	PID 194	C44-B1-4	PID 7.7	C44-S1-1-3	PID 21.4	C44-S2-1-3	PID 4.1
Lab Sample Number:	Fill	Clay	Sandy Silt	Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-in-Action Levels	AD51483		AD51751		AD52207		AD52208		AD52209		AD52210	
Date Sampled:				ug/kg	ug/kg	ug/kg	11/7/02		11/8/02		11/12/02		11/12/02		11/12/02		11/12/02	
Soil Type							Clay		Fill		Clay		Clay		Fill		Fill	
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	1,600,000	7,800,000	<1360	680	<280	140	<166	83	<150	75	<1550	775	<1670	835
Benzene	232	87	116	10,000	100,000	22,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Bromodichloromethane				15,000	150,000	10,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Bromoform				NE	NE	81,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Bromomethane				15,000	150,000	110,000	<136	68	<28	14	<16.6	8	<15	8	<155	78	<167	84
2-Butanone (MEK)				36,000	360,000	47,000,000	<68	34	<140	70	<83	42	<75	38	<775	388	<835	418
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	<340	170	<70	35	<41.5	21	<37.5	19	<388	194	<418	209
Carbon Tetrachloride				6,000	60,000	4,900	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Chlorobenzene				6,000	60,000	1,600,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Chloroethane				6,000	60,000	49,000	<136	68	<28	14	<16.8	8	<15	8	<155	78	<167	84
Chloroform				6,000	60,000	100,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Chloromethane				30,000	300,000	49,000	<138	68	<28	14	<16.6	8	<15	8	<155	78	<167	84
Dibromochloromethane				NE	NE	7,600	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
1,1-Dichloroethane	600	225	300	6,000	60,000	7,800,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
1,1-Dichloroethene				6,000	60,000	1,100	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
1,2-Dichlorobenzene				6,000	60,000	7,800,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
1,2,4-Trimethylbenzene				NE	NE	NE	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
cis-1,2-Dichloroethene				NE	NE	780,000	<68	34	<14	7	<8.3	4	<7.5	4	<760	380	330	330
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	<68	34	<14	7	<8.3	4	<7.5	4	91	91	<83.5	42
1,2-Dichloropropane				18,000	180,000	9,400	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
1,3,5-Trimethylbenzene				NE	NE	NE	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
cis-1,3-Dichloropropene				18,000	180,000	NE	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
trans-1,3-Dichloropropene				18,000	180,000	NE	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	<68	34	<14	7	<8.3	4	<7.5	4	94	94	<83.5	42
2-Hexanone				NE	NE	NE	<680	340	<140	70	<83	42	<75	38	<775	388	<83.5	42
Isopropylbenzene				NE	NE	3,100,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Methylene Chloride	420	158	210	30,000	300,000	85,000	<110	55	<65	33	<50	25	<50	25	<260	130	<270	135
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	<680	340	<14	7	<83	42	<75	38	<775	388	<835	418
Naphthalene				5,600	56,000	310,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
n-Butylbenzene				NE	NE	5,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
n-Propylbenzene				NE	NE	NE	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
p-Isopropyltoluene				NE	NE	NE	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
sec-Butylbenzene				NE	NE	5,000	<68	34	<14	7	<8.3	4	<7.5	4	84	84	<83.5	42
Styrene				NE	NE	21,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
tert-Butylbenzene				NE	NE		<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Tetrachloroethene				6,000	60,000	12,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
1,1,2-Trichloroethane				6,000	60,000	11,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	<68	34	<14	7	<8.3	4	<7.5	4	500	500	500	500
Vinyl Chloride	456	171	228	6,000	60,000	340	<68	34	<14	7	<8.3	4	<7.5	4	<450	225	<83.5	42
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
m&p-xylene						160,000,000	<136	68	<28	14	<30	15	<15	8	220	220	<167	84
Total VOCs		10,000		NE	NE	NE		3,081		656		438		393		5,212		4,598

Notes:

Bold: Analyte detected above the given action level
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained In" Action Level
NE = No Standard Established
NA = Not analyzed
J = Estimated Value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL

File: \\Nes-nt\Dept\DEPT020\31128-9(3947-8)-LEICA\DELVDSGN\Excavation Data SoilEX Data
Sheet: Confirmation Samples-Ex Area 2

Printed on 4/23/2004 at 12:43 PM

Prepared by: JK
Date: 7/28/03
Checked by: DT
Date 7/28/03

SCIENTECH, Inc.

Table 4
Confirmation Sampling Results, Excavation Area 2
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)						C44-N2-3	PID 124	C44-E2a-2-4	PID 26.0	C44-EN-2-4	PID 79.2	C44-N1a-2-4	PID 3.6	C44-E1b-2-4	PID 46.2	C45-N-2.5	PID 1.8
Lab Sample Number	Fill	Clay	Sandy Silt	Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-in-Action Levels	AD52212		AD56903 Rtesample for E2-3.5 following additional excavation		AD56901		AD56904 Resample for N1-2 following additional excavation		AD59741 Resample for E1a- 2-4 following additional excavation	Drager Tube VC = ND	AD51479	
Date Sampled:				ug/kg	*ug/kg*	ug/kg	11/12/02		12/4/02		12/4/02		12/4/02		12/17/02		11/6/02	
Soil Type							Fill		Fill		Fill		Fill		Fill		Fill	
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	*1,600,000*	7,800,000	<1970	985	<1510	755	<2120	1,060	<316	158	<1660	830	<334	167
Benzene	**232**	**87**	**116**	10,000	*100,000*	22,000	<98.3	49	<75.3	38	140	140	<15.8	8	<83.1	42	<16.7	8
Bromodichloromethane				15,000	*150,000*	10,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
Bromoform				NE	*NE*	81,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
Bromomethane				15,000	*150,000*	110,000	<197	99	<151	76	<212	106	<31.6	16	<166	83	<33.4	17
2-Butanone (MEK)				38,000	*360,000*	47,000,000	<983	492	<753	377	<1060	530	<158	79	<831	416	<167	84
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	<492	246	<376	188	<530	265	<79	40	<416	208	<83.5	42
Carbon Tetrachloride				6,000	*60,000*	4,900	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
Chlorobenzena				6,000	*60,000*	1,600,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
Chloroethane				6,000	*60,000*	49,000	<197	99	<151	76	<212	106	<31.6	16	<166	83	<33.4	17
Chloroform				6,000	*60,000*	100,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
Chloromethane				30,000	*300,000*	49,000	<197	99	<151	76	<212	106	<31.6	16	<166	83	<33.4	17
Dibromochloromethane				NE	*NE*	7,600	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,1-Dichloroethane	**600**	**225**	**300**	6,000	*60,000*	7,800,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,2-Dichloroethane	**280**	**105**	**140**	6,000	*60,000*	7,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,1-Dichloroethene				6,000	*60,000*	1,100	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,2,4-Trimethylbenzene				NE	*NE*	NE	150	150	<75.3	38	900	900	<15.8	8	340	340	<16.7	8
cis-1,2-Dichloroethene				NE	*NE*	780,000	160	160	<75.3	38	<106	53	21	21	130	130	58	58
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,2-Dichloropropane				18,000	*180,000*	9,400	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,3,5-Trimethylbenzene				NE	*NE*	NE	<98.3	49	<75.3	38	390	390	<15.8	8	130	130	<16.7	8
cis-1,3-Dichloropropene				18,000	*180,000*	NE	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
trans-1,3-Dichloropropene				18,000	*180,000*	NE	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
Ethylbenzene	**22,000**	**6,250**	**11,000**	10,000	*100,000*	7,800,000	200	200	310	310	2,000	2,000	<15.8	8	370	370	<16.7	8
2-Hexanone				NE	*NE*	NE	<983	492	<753	377	<1060	530	<158	79	<831	416	<167	84
Isopropylbenzene				NE	*NE*	3,100,000	<98.3	49	<75.3	38	1,500	1,500	<15.8	8	120	120	<16.7	8
Methylene Chloride	**420**	**158**	**210**	30,000	*300,000*	85,000	<325	163	<75.3	38	<106	53	<15.8	8	<240	120	<80	40
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	<983	492	<753	377	<1060	530	<158	79	<831	416	<167	84
Naphthalene				5,600	*56,000*	310,000	110	110	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
n-Butylbenzene				NE	*NE*	5,000	110	110	<75.3	38	<106	53	<15.8	8	250	250	<16.7	8
n-Propylbenzene				NE	*NE*	NE	<98.3	49	<75.3	38	180	180	<15.8	8	130	130	<16.7	8
p-Isopropyltoluene				NE	*NE*	NE	<98.3	49	<75.3	38	110	110	<15.8	8	<83.1	42	<16.7	8
sec-Butylbenzene				NE	*NE*	5,000	<98.3	49	<75.3	38	<106	53	<15.8	8	150	150	<16.7	8
Styrene				NE	*NE*	21,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
tert-Butylbenzene				NE	*NE*		<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
Tetrachloroethene				6,000	*60,000*	12,000	160	160	<75.3	38	<106	53	<15.8	8	<83.1	42	53	53
Toluene	**6,000**	**2,250**	**3,000**	10,000	*100,000*	16,000,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	6,000	*60,000*	7,000,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,1,2-Trichloroethane				6,000	*60,000*	11,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
Trichloroethene	**2,520**	**945**	**1,260**	6,000	*60,000*	58,000	410	410	<75.3	38	<106	53	<15.8	8	220	220	53	53
Vinyl Chloride	**456**	**171**	**228**	6,000	*60,000*	340	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
o-xylene	**4800**	**1800**	**2400**	30,000	*300,000*	160,000,000	<98.3	49	<75.3	38	330	330	<15.8	8	230	230	<16.7	8
m&p-xylene						160,000,000	330	330	720	720	2,900	2,900	<31.6	16	2,700	2,700	<33.4	17
Total VOCs		10,000		NE	NE	NE		**6,170**		**4,647**		**13,167**		**795**		**8,462**		**997**

Notes:

Bold: Analyte detected above the given action level

Bold and Boxed. Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

NA = Not analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

File: \\Nes-nt\Dept\DEPT020\31128-9(3947-8)-LEICA\DELVDSGN\Excavation Data SoilEX Data Sheet. Confirmation Samples-Ex Area 2

Prepared by:JK
Date 7/28/03
Checked by:DT
Date 7/28/03

SCIENTECH, Inc.

Table 4
Confirmation Sampling Results, Excavation Area 2
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-In-Action Levels	C45-S-2.0	PID 75.1	C45-W-2.5	PID 141	C45-BN-12	PID 24.1	C45-BM-12.5	PID 146	Average of Samples	
Lab Sample Number:	Fill	Clay	Sandy Silt				AD51480		AD51481		AD54284 Resample for BN-10 following addit. excavation		AD54285 Resample for BM-10, BM-8 following addit. excavation			
Date Sampled:				ug/kg	*ug/kg*	ug/kg	11/6/02		11/6/02		11/20/02		11/20/02			
Soil Type							Fill		Fill		Sandy Silt		Sandy Silt			
Volatile Organic Compounds (ug/kg)																
Acetone				160,000	*1,600,000*	7,800,000	<284	142	<298	149	<240	120	<1360	680	533	533
Benzene	**232**	**87**	**116**	10,000	*100,000*	22,000	<14.2	7	<14.9	7	<12	6	<68	34	28	28
Bromodichloromethane				15,000	*150,000*	10,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
Bromoform				NE	*NE*	81,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
Bromomethane				15,000	*150,000*	110,000	<28.4	14	<29.8	15	<24	12	<136	68	52	52
2-Butanone (MEK)				36,000	*360,000*	47,000,000	<142	71	<149	75	<12	6	<680	340	265	265
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	<71	36	<74.5	37	<60	30	<340	170	130	130
Carbon Tetrachloride				6,000	*60,000*	4,900	<14.2	7	<14.9	7	<12	6	<68	34	26	26
Chlorobenzene				6,000	*60,000*	1,600,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
Chloroethane				6,000	*60,000*	49,000	<28.4	14	<29.8	15	<24	12	<136	68	52	52
Chloroform				6,000	*60,000*	100,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
Chloromethane				30,000	*300,000*	49,000	<28.4	14	<29.8	15	<24	12	<136	68	51	51
Dibromochloromethane				NE	*NE*	7,600	<14.2	7	<14.9	7	<12	6	<68	34	26	26
1,1-Dichloroethane	**600**	**225**	**300**	6,000	*60,000*	7,800,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
1,2-Dichloroethane	**280**	**105**	**140**	6,000	*60,000*	7,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
1,1-Dichloroethene				6,000	*60,000*	1,100	<14.2	7	<14.9	7	<12	6	<68	34	26	26
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	<14.2	7	<14.9	7	<12	6	<68	34	94	94
1,2,4-Trimethylbenzene				NE	*NE*	NE	<14.2	7	<14.9	7	<12	6	<68	34	60	60
cis-1,2-Dichloroethene				NE	*NE*	780,000	1,100	1,100	<14.9	7	560	560	<68	34	324	324
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	17	17	<14.9	7	16	16	<68	34	30	30
1,2-Dichloropropane				18,000	*180,000*	9,400	<14.2	7	<14.9	7	<12	6	<68	34	26	26
1,3,5-Trimethylbenzene				NE	*NE*	NE	<14.2	7	<14.9	7	<12	6	<68	34	42	42
cis-1,3-Dichloropropene				18,000	*180,000*	NE	<14.2	7	<14.9	7	<12	6	<68	34	26	26
trans-1,3-Dichloropropene				18,000	*180,000*	NE	<14.2	7	<14.9	7	<12	6	<68	34	26	26
Ethylbenzene	**22,000**	**8,250**	**11,000**	10,000	*100,000*	7,800,000	<14.2	7	<14.9	7	<12	6	<68	34	103	103
2-Hexanone				NE	*NE*	NE	<142	71	<149	75	120	120	<680	340	255	255
Isopropylbenzene				NE	*NE*	3,100,000	<14.2	7	<14.9	7	<12	6	<68	34	54	54
Methylene Chloride	**420**	**158**	**210**	30,000	*300,000*	85,000	<40	20	<45	23	<12	6	<68	34	76	76
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	<142	71	<149	75	<12	6	<680	340	258	258
Naphthalene				5,600	*56,000*	310,000	<14.2	7	<14.9	7	<12	6	<68	34	32	32
n-Butylbenzene				NE	*NE*	6,000	<14.2	7	<14.9	7	<12	6	<68	34	32	32
n-Propylbenzene				NE	*NE*	NE	<14.2	7	<14.9	7	<12	6	<68	34	31	31
p-Isopropyltoluene				NE	*NE*	NE	<14.2	7	<14.9	7	<12	6	<68	34	28	28
sec-Butylbenzene				NE	*NE*	5,000	<14.2	7	<14.9	7	<12	6	<68	34	29	29
Styrene				NE	*NE*	21,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
tert-Butylbenzene				NE	*NE*		<14.2	7	<14.9	7	<12	6	<68	34	26	26
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	<14.2	7	<14.9	7	<12	6	<68	34	26	26
Tetrachloroethene				6,000	*60,000*	12,000	<14.2	7	<14.9	7	<12	6	350	350	34	34
Toluene	**6,000**	**2,250**	**3,000**	10,000	*100,000*	16,000,000	<14.2	7	<14.9	7	<12	6	<68	34	34	34
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	6,000	*60,000*	7,000,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
1,1,2-Trichloroethane				6,000	*60,000*	11,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
Trichloroethene	**2,520**	**945**	**1,260**	6,000	*60,000*	58,000	260	260	38	38	10	10	670	670	216	216
Vinyl Chloride	**456**	**171**	**228**	6,000	*60,000*	340	<14.2	7	<14.9	7	31	31	<68	34	40	40
o-xylene	**4800**	**1800**	**2400**	30,000	*300,000*	160,000,000	<14.2	7	<14.9	7	<12	6	<68	34	85	85
m&p-xylene						160,000,000	<28.4	14	<29.8	15	26	26	<136	68	266	266
Total VOCs		**10,000**		NE	NE	NE		**2,072**		**783**		**1,153**		**4,318**		**3,677**

Notes:

Bold: Analyte detected above the given action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

NA = Not analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

Prepared by: JK
Date: 9/9/03
Checked by: DT, CV, JK
Date: 9/9/03

SCIENTECH, Inc.

Table 5
Stockpile Test Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-in-Action Levels	RCRA TCLP X 20	NH-1		NH-2		NH 3		NH-4		NH-4a	PID 35.8	NH-4b	PID 42.2
Lab Sample Number	Fill	Clay	Sandy Silt					AD51478		AD51484		AD52699		AD52700		AD65086	Drager Tube VC < 10 ppm	AD65086	Drager Tube VC <20 ppm
Date Sampled				ug/kg	ug/kg	ug/kg	ug/l	11/6/2002		11/6/2002		11/14/02		11/14/02		1/21/03		1/21/03	
Soil Type								Mixed		Mixed		Mixed		Mixed		Mixed		Mixed	
Volatile Organic Compounds (ug/kg)																			
Acetone				160,000	1,600,000	7,800,000	NE	NA	NA	<5820	2,910	<1580	790	<3360	1,680	<1700	850	<1570	785
Benzene	232	87	116	10,000	100,000	22,000	10,000	NA	NA	<291	146	<79	40	<168	84	<84.8	42	<78.5	39
Bromodichloromethane				15,000	150,000	10,000	NE	NA	NA	<291	146	<79	40	<168	84	<84.8	42	<78.5	39
Bromoform				NE	NE	81,000	NE	NA	NA	<291	146	<79	40	<168	84	<84.8	42	<78.5	39
Bromomethane				15,000	150,000	110,000	NE	NA	NA	<582	291	<158	79	<336	168	<170	85	<157	79
2-Butanone (MEK)				36,000	360,000	47,000,000	4,000,000	NA	NA	<2910	1,455	<790	395	<1680	840	<848	424	<785	393
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	NE	NA	NA	<1460	730	<395	198	<840	420	<424	212	<392	196
Carbon Tetrachloride				6,000	60,000	4,900	10,000	NA	NA	<291	146	<79	40	<168	84	<84.8	42	<78.5	39
Chlorobenzene				6,000	60,000	1,600,000	2,000,000	NA	NA	<291	146	120	120	<168	84	<84.8	42	<78.5	39
Chloroethane				6,000	60,000	49,000	NE	NA	NA	<582	291	<158	79	<336	168	<170	85	<157	79
Chloroform				6,000	60,000	100,000	120,000	NA	NA	<155	78	<79	40	<168	84	<84.8	42	<78.5	39
Chloromethane				30,000	300,000	49,000	NE	NA	NA	<582	291	<158	79	<336	168	<170	85	<157	79
Dibromochloromethane				NE	NE	7,600	NE	NA	NA	<291	146	<79	40	<168	84	<84.8	42	<78.5	39
1,1-Dichloroethane	600	225	300	6,000	60,000	7,800,000	NE	NA	NA	<291	146	<79	40	<168	84	<84.8	42	<78.5	39
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	10,000	NA	NA	<291	146	<79	40	<168	84	<84.8	42	<78.5	39
1,1-Dichloroethene				6,000	60,000	1,100	14,000	NA	NA	<291	146	<79	40	<168	84	<84.8	42	<78.5	39
1,2-Dichlorobenzene				6,000	60,000	7,800,000	NE	NA	NA	<291	146	130	130	<168	84	<84.8	42	<78.5	39
1,2,4-Trimethylbenzene				NE	NE	NE	NE	NA	NA	13,700	13,700	3,400	3,400	1,700	1,700	530	530	300	300
cis-1,2-Dichloroethene				NE	NE	780,000	NE	NA	NA	35,000	35,000	2,800	2,800	24,300	24,300	37,400	37,400	11,400	11,400
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	NE	NA	NA	280	280	220	220	400	400	710	710	280	280
1,2-Dichloropropane				18,000	180,000	9,400	NE	NA	NA	<291	146	<79	40	<168	84	<84.8	42	<78.5	39
1,3,5-Trimethylbenzene				NE	NE	NE	NE	NA	NA	9,800	9,800	4,300	4,300	3,100	3,100	730	730	950	950
cis-1,3-Dichloropropene				18,000	180,000	NE	NE	NA	NA	<291	146	<79	40	<168	84	<84.8	42	<78.5	39
trans-1,3-Dichloropropene				18,000	180,000	NE	NE	NA	NA	<291	146	<79	40	<168	84	<84.8	42	<78.5	39
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	NE	NA	NA	10,000	10,000	2,500	2,500	2,000	2,000	890	890	700	700
2-Hexanone				NE	NE	NE	NE	NA	NA	<2910	1,455	<790	395	<1680	840	<848	424	<785	393
Isopropylbenzene				NE	NE	3,100,000	NE	NA	NA	3,900	3,900	840	840	210	210	<84.8	42	<78.5	39
Methylene Chloride	420	158	210	30,000	300,000	85,000	NE	NA	NA	<380	190	<79	40	<168	84	80	80	<78.5	39
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	NE	NA	NA	<2910	1,455	<790	395	<1680	840	<848	424	<785	393
Naphthalene				5,600	56,000	310,000	NE	NA	NA	2,800	2,800	680	680	1,100	1,100	380	380	220	220
n-Butylbenzene				NE	NE	5,000	NE	NA	NA	1,600	1,600	460	460	960	960	230	230	270	270
n-Propylbenzene				NE	NE	NE	NE	NA	NA	2,100	2,100	460	460	330	330	89	89	<78.5	39
p-Isopropyltoluene				NE	NE	NE	NE	NA	NA	1,800	1,800	1,500	1,500	650	650	130	130	200	200
sec-Butylbenzene				NE	NE	5,000	NE	NA	NA	810	810	230	230	290	290	<84.8	42	<78.5	39
Styrene				NE	NE	21,000	NE	NA	NA	<291	146	<79	40	<168	84	<84.8	42	<78.5	39
tert-Butylbenzene				NE	NE		NE	NA	NA	<291	146	<79	40	280	280	<84.8	42	140	140
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	NE	NA	NA	<291	146	<79	40	<168	84	<84.8	42	<78.5	39
Tetrachloroethene				6,000	60,000	12,000	14,000	NA	NA	1,400	1,400	<79	40	5,400	5,400	280	280	1,400	1,400
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	NE	NA	NA	3,300	3,300	250	250	480	480	230	230	170	170
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	NE	NA	NA	<291	146	<79	40	<168	84	<84.8	42	<78.5	39
1,1,2-Trichloroethane				6,000	60,000	11,000	NE	NA	NA	<291	146	<79	40	<168	84	<84.8	42	<78.5	39
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	10,000	NA	NA	38,500	38,500	3,600	3,600	30,800	30,800	11,000	11,000	16,600	16,600
Vinyl Chloride	456	171	228	6,000	60,000	340 *	4,000 *	NA	NA	<291	146	200	200	820	820	420	420	250	250
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	NE	NA	NA	45,900	45,900	7,700	7,700	14,300	14,300	4,000	4,000	5,000	5,000
m&p-xylene						160,000,000	NE	NA	NA	136,300	136,300	60,000	60,000	13,400	13,400	6,100	6,100	4,100	4,100
Total VOCs	10,000			NE	NE	NE	NE	NA	0		319,100		92,550		107,240		66,678		45,238
TCLP Vinyl Chloride (ug/l)	200 ug/l							NA				5.1		5		16		3.1	
TCLP Trichloroethene (ug/l)	500 ug/l							5.3		480		6.5		350		120		170	
Disposal option								**Modern Landfill**		**Modern Landfill**		**Modern Landfill**		**Stockpile split into 2 sub piles and re-sampled**		**Modern Landfill**		**Modern Landfill following treatment in Treatment Pile 1 (TP1)**	

Notes:
Bold: Analyte detected was above the given action level.
Bold and Boxed. Analyte detected was above the Universal Treatment Standard (UTS)
Italics. Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained in" Action Level
Yellow shaded: Analyte above RCRA TCLP x 20
NE = No Standard Established
NA = Not Analyzed
J = Estimated Value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL
* Vinyl chloride is a daughter product and the Contained-In threshhold does not apply, it will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb)

File: \\Nes-nt\Dept\DEPT020\31128-9(3947-8)-LEICA\DELV\DSGN\Excavation Data SoilEX Data
Sheet: Stockpiles

Prepared by: JK
Date: 9/9/03
Checked by: DT, CV, JK
Date: 9/9/03

Table 5
Stockpile Test Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs) Fill	Clay	Sandy Silt	Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-In Action Levels	RCRA TCLP X 20	NH-5		NH-5a	PID 38.4	NH-5b	PID 191	NH-5c	PID 154	NH-6		NH-7	
Lab Sample Number								AD52701		AD65083		AD65084		AD65085		AD52702		AD54286	
Date Sampled				ug/kg	ug/kg	ug/kg	ug/l	11/14/02		1/21/03	Drager Tube VC < 10 ppm	1/21/03	Drager Tube VC < 20 ppm	1/21/03	Drager Tube VC < 10 ppm	11/14/02		11/20/02	
Soil Type								Mixed		Mixed		Mixed		Mixed		Mixed		Mixed	
Volatile Organic Compounds (ug/kg)																			
Acetone				160,000	*1,600,000*	7,800,000	NE	<2840	1,420	<1500	750	<3060	1,530	<3940	1,970	<1580	790	<1540	770
Benzene	232	87	116	10,000	*100,000*	22,000	10,000	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
Bromodichloromethane				15,000	*150,000*	10,000	NE	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
Bromoform				NE	*NE*	81,000	NE	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
Bromomethane				15,000	*150,000*	110,000	NE	<284	142	<150	75	<306	153	<394	197	<158	79	<154	77
2-Butanone (MEK)				36,000	*360,000*	47,000,000	4,000,000	<1420	710	<752	376	<1530	765	<1970	985	<790	395	<770	385
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	NE	<710	355	<376	188	<765	383	<985	493	<395	198	<385	193
Carbon Tetrachloride				6,000	*60,000*	4,900	10,000	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
Chlorobenzene				6,000	*60,000*	1,600,000	2,000,000	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
Chloroethane				6,000	*60,000*	49,000	NE	<284	142	<150	75	<306	153	<394	197	<158	79	<154	77
Chloroform				6,000	*60,000*	100,000	120,000	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
Chloromethane				30,000	*300,000*	49,000	NE	<284	142	<150	75	<306	153	<394	197	<158	79	<154	77
Dibromochloromethane				NE	*NE*	7,600	NE	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
1,1-Dichloroethane	600	225	300	6,000	*60,000*	7,800,000	NE	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
1,2-Dichloroethane	280	105	140	6,000	*60,000*	7,000	10,000	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
1,1-Dichloroethene				6,000	*60,000*	1,100	14,000	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	NE	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
1,2,4-Trimethylbenzene				NE	*NE*	NE	NE	4,700	4,700	580	580	1,500	1,500	5,500	5,500	590	590	640	640
cis-1,2-Dichloroethene				NE	*NE*	780,000	NE	18,700	18,700	9,800	9,800	10,600	10,600	2,800	2,800	<79	40	32,200	32,200
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	NE	500	500	210	210	170	170	<197	99	<79	40	560	560
1,2-Dichloropropane				18,000	*180,000*	9,400	NE	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
1,3,5-Trimethylbenzene				NE	*NE*	NE	NE	2,900	2,900	820	820	2,000	2,000	4,800	4,800	1,100	1,100	1,400	1,400
cis-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
trans-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
Ethylbenzene	22,000	8,250	11,000	10,000	*100,000*	7,800,000	NE	**8,800**	8,800	960	960	1,500	1,500	2,300	2,300	580	580	1,500	1,500
2-Hexanone				NE	*NE*	NE	NE	<1420	710	<752	376	<1530	765	<1970	985	<790	395	<770	385
Isopropylbenzene				NE	*NE*	3,100,000	NE	630	630	87	87	280	280	1,200	1,200	88	88	150	150
Methylene Chloride	420	158	210	30,000	*300,000*	85,000	NE	<142	71	<120	60	<245	123	<290	145	<79	40	<100	50
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	NE	<1420	710	<752	376	<1530	765	<1970	985	790	790	<770	385
Naphthalene				5,600	*56,000*	310,000	NE	3,400	3,400	620	620	600	600	940	940	370	370	330	330
n-Butylbenzene				NE	*NE*	5,000	NE	1,100	1,100	340	340	460	460	790	790	320	320	440	440
n-Propylbenzene				NE	*NE*	NE	NE	690	690	120	120	230	230	770	770	110	110	220	220
p-Isopropyltoluene				NE	*NE*	NE	NE	610	610	190	190	400	400	820	820	260	260	280	280
sec-Butylbenzene				NE	*NE*	5,000	NE	390	390	100	100	180	180	410	410	89	89	160	160
Styrene				NE	*NE*	21,000	NE	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
tert-Butylbenzene				NE	*NE*		NE	<142	71	<75.2	38	<153	77	<197	99	99	99	120	120
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	NE	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
Tetrachloroethene				6,000	*60,000*	12,000	14,000	<142	71	<75.2	38	220	220	<197	99	210	210	78	78
Toluene	6,000	2,250	3,000	10,000	*100,000*	16,000,000	NE	**2,900**	2,900	310	310	840	840	910	910	190	190	260	260
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	*60,000*	7,000,000	NE	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
1,1,2-Trichloroethane				6,000	*60,000*	11,000	NE	<142	71	<75.2	38	<153	77	<197	99	<79	40	<77	39
Trichloroethene	2,520	945	1,260	6,000	*60,000*	58,000	10,000	**5,900**	5,900	**3,200**	3,200	**7,500**	7,500	660	660	**6,900**	6,900	**9,000**	9,000
Vinyl Chloride	456	171	228	6,000	*60,000*	340 *	4,000 *	**4,300**	4,300	**680**	680	**420**	420	<197	99	**270**	270	**1,300**	1,300
o-xylene	4800	1800	2400	30,000	*300,000*	160,000,000	NE	**32,400**	32,400	**4,800**	4,800	**9,000**	9,000	**13,000**	13,000	**4,200**	4,200	**6,500**	6,500
m&p-xylene						160,000,000	NE	**84,000**	84,000	**8,200**	8,200	**17,300**	17,300	**49,500**	49,500	**4,500**	4,500	**3,400**	3,400
Total VOCs	10,000			NE	NE	NE	NE		177,742		34,120		59,443		92,721		23,510		61,630
TCLP Vinyl Chloride (ug/l)	200 ug/l							42		15		8.8		<2.5		3		31	
TCLP Trichloroethene (ug/l)	500 ug/l							88		39		110		6.9		66		280	
Disposal option								**Stockpile split into 3 sub piles and re-sampled**		**Modern Landfill**		**Modern Landfill**		**Modern Landfill**		**Modern Landfill**		**Stockpile split into 2 sub piles and re-sampled**	

Notes:

Bold: Analyte detected was above the given action level.

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

Yellow shaded: Analyte above RCRA TCLP x 20

NE = No Standard Established

NA = Not Analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

* Vinyl chloride is a daughter product and the Contained-In threshhold does not apply, it will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

Prepared by: JK
Date: 9/9/03
Checked by: DT, CV, JK
Date: 9/13/03

SCIENTECH, Inc.

Table 5
Stockpile Test Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-In-Action Levels	RCRA TCLP X 20	NH-7a	PID 26.2	NH-7c	PID	NH-8		NH-8a	PID 56.1	NH-8b	PID 155	NH-8c	PID 57.2
Lab Sample Number	Fill	Clay	Sandy Silt					AD65686		AD65687		AD54287		AD69679		AD69680		AD69681	
Date Sampled:				ug/kg	*ug/kg*	ug/kg	ug/l	1/23/03	Drager Tube VC = 20	1/23/03		11/20/02		2/19/03		2/19/03		2/19/03	
Soil Type								Mixed	TCE = 20	Mixed		Mixed		Mixed		Mixed		Mixed	
Volatile Organic Compounds (ug/kg)																			
Acetone				160,000	*1,600,000*	7,800,000	NE	<1750	875	<1770	885	<3380	1,690	<1800	900	<1540	770	<1490	745
Benzene	232	87	116	10,000	*100,000*	22,000	10,000	<87.5	44	<88.5	44	<169	85	<90	45	<77	39	<74.4	37
Bromodichloromethane				15,000	*150,000*	10,000	NE	<87.5	44	<88.5	44	<169	85	<90	45	<77	39	<74.4	37
Bromoform				NE	*NE*	81,000	NE	<87.5	44	<88.5	44	<169	85	<90	45	<77	39	<74.4	37
Bromomethane				15,000	*150,000*	110,000	NE	<175	88	<177	89	<338	169	<180	90	<154	77	<149	75
2-Butanone (MEK)				36,000	*360,000*	47,000,000	4,000,000	<875	438	<885	443	<1690	845	<900	450	<770	385	<744	372
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	NE	<438	219	<442	221	<845	423	<450	225	<385	193	<372	186
Carbon Tetrachloride				6,000	*60,000*	4,900	10,000	<87.5	44	<88.5	44	<169	85	<90	45	<77	39	<74.4	37
Chlorobenzene				6,000	*60,000*	1,600,000	2,000,000	<87.5	44	<88.5	44	<169	85	<90	45	<77	39	<74.4	37
Chloroethane				6,000	*60,000*	49,000	NE	<175	88	<177	89	<338	169	<180	90	<154	77	<149	75
Chloroform				6,000	*60,000*	100,000	120,000	<87.5	44	<88.5	44	<169	85	<90	45	<77	39	<74.4	37
Chloromethane				30,000	*300,000*	49,000	NE	<175	88	<177	89	<338	169	<180	90	<154	77	<149	75
Dibromochloromethane				NE	*NE*	7,600	NE	<87.5	44	<88.5	44	<169	85	<90	45	<77	39	<74.4	37
1,1-Dichloroethane	600	225	300	6,000	*60,000*	7,800,000	NE	<87.5	44	<88.5	44	<169	85	<90	45	<77	39	<74.4	37
1,2-Dichloroethane	280	105	*140*	6,000	*60,000*	7,000	10,000	<87.5	44	<88.5	44	<169	85	<90	45	<77	39	<74.4	37
1,1-Dichloroethene				6,000	*60,000*	1,100	14,000	<87.5	44	<88.5	44	<169	85	<90	45	<77	39	<74.4	37
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	NE	<87.5	44	<88.5	44	450	450	<90	45	<77	39	160	160
1,2,4-Trimethylbenzene				NE	*NE*	NE	NE	500	500	720	720	12,900	12,900	2,000	2,000	260	260	680	680
cis-1,2-Dichloroethene				NE	*NE*	780,000	NE	12,200	12,200	25,600	25,600	16,300	16,300	10,800	10,800	2,700	2,700	260	260
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	NE	190	190	320	320	420	420	210	210	<77	39	<74.4	37
1,2-Dichloropropane				18,000	*180,000*	9,400	NE	<87.5	44	<88.5	44	<169	85	<90	45	<77	39	<74.4	37
1,3,5-Trimethylbenzene				NE	*NE*	NE	NE	820	820	1,000	1,000	8,200	8,200	1,900	1,900	480	480	1,200	1,200
cis-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<87.5	44	<88.5	44	<169	85	<90	45	<77	39	<74.4	37
trans-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<87.5	44	<88.5	44	<169	85	<90	45	<77	39	<74.4	37
Ethylbenzene	22,000	8,250	11,000	10,000	*100,000*	7,800,000	NE	900	900	1,000	1,000	9,400	9,400	1,800	1,800	310	310	390	390
2-Hexanone				NE	*NE*	NE	NE	<875	438	<885	443	<1690	845	<900	450	<77	39	<744	372
Isopropylbenzene				NE	*NE*	3,100,000	NE	94	94	100	100	1,600	1,600	310	310	<77	39	160	160
Methylene Chloride	420	158	210	30,000	*300,000*	85,000	NE	<120	60	<115	58	<250	125	<210	105	<170	85	<170	85
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	NE	<875	438	<885	443	<1690	845	<900	450	<770	385	<744	372
Naphthalene				5,600	*56,000*	310,000	NE	220	220	350	350	1,800	1,800	330	330	100	100	150	150
n-Butylbenzene				NE	*NE*	5,000	NE	260	260	330	330	1,500	1,500	360	360	79	79	170	170
n-Propylbenzene				NE	*NE*	NE	NE	140	140	150	150	1,100	1,100	230	230	<77	39	89	89
p-Isopropyltoluene				NE	*NE*	NE	NE	160	160	230	230	1,800	1,800	420	420	83	83	190	190
sec-Butylbenzene				NE	*NE*	5,000	NE	87	87	110	110	740	740	160	160	<77	39	76	76
Styrene				NE	*NE*	21,000	NE	<87.5	44	<88.5	44	<169	85	<90	45	<77	39	<74.4	37
tert-Butylbenzene				NE	*NE*		NE	<87.5	44	<88.5	44	<169	85	<90	45	<77	39	<74.4	37
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	NE	<87.5	44	<89.5	44	<169	85	<90	45	<77	39	<74.4	37
Tetrachloroethene				6,000	*60,000*	12,000	14,000	<87.5	44	120	120	<169	85	<90	45	<77	39	<74.4	37
Toluene	6,000	2,250	3,000	10,000	*100,000*	16,000,000	NE	220	220	270	270	1,900	1,900	530	530	190	190	130	130
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	*60,000*	7,000,000	NE	<87.5	44	<88.5	44	<169	85	<90	45	<77	39	<74.4	37
1,1,2-Trichloroethane				6,000	*60,000*	11,000	NE	<87.5	44	<88.5	44	<169	85	<90	45	<77	39	<74.4	37
Trichloroethene	2,520	945	1,260	6,000	*60,000*	58,000	10,000	**6,800**	6,800	**12,900**	12,900	**16,500**	16,500	**18,600**	18,600	3,800	3,800	460	460
Vinyl Chloride	456	171	228	6,000	*60,000*	340 *	4,000 *	**250**	250	**430**	430	**1,100**	1,100	<90	45	<77	39	<74.4	37
o-xylene	4800	1800	2400	30,000	*300,000*	160,000,000	NE	**3,800**	3,800	**4,600**	4,600	**50,100**	50,100	**10,900**	10,900	**2,600**	2,600	**3,500**	3,500
m&p-xylene						160,000,000	NE	**3,200**	3,200	**4,900**	4,900	**151,400**	151,400	**25,700**	25,700	**3,600**	3,600	**6,600**	6,600
Total VOCs	10,800			NE	NE	NE	NE		33,445		56,727		284,095		78,045		17,252		17,352
TCLP Vinyl Chloride (ug/l)	200 ug/l							9.6		17		21		6.2		81		<5.0	
TCLP Trichloroethene (ug/l)	500 ug/l							130		280		330		270		<2.5		14	
Disposal option								**Modern Landfill**		**Modern Landfill following treatment in Treatment Pile 1 (TP1)**		**Stockpile split into 3 sub piles and re-sampled**		**Modern Landfill**		**Modern Landfill**		**Modern Landfill**	

Notes:

Bold: Analyte detected was above the given action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

Yellow shaded: Analyte above RCRA TCLP x 20

NE = No Standard Established

NA = Not Analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

* Vinyl chloride is a daughter product and the Contained-In threshold does not apply, it will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

Prepared by: JK
Date: 9/9/03
Checked by: DT, CV, JK
Date: 9/9/03

SCIENTECH, Inc.

Table 5
Stockpile Test Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs) Fill	Clay	Sandy Silt	Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-In-Action Levels	RCRA TCLP X 20	NH-9	PID 48.1	NH-10	PID 28.7	NH-10a	PID 24.9	NH-10b	PID 28.4	NH-11	PID 28.1	NH-12	PID 22.2
Lab Sample Number:								AD56905		AD57443		AD65688		AD65689		AD60316		AD60317	
Date Sampled:				ug/kg	ug/kg	ug/kg	ug/l	12/4/02	Drager Tube VC <10 ppm	12/6/2002	Drager Tube VC = 15 ppm TCE = 10 ppm	1/23/2003		1/23/2003		12/18/2002	Drager Tube VC <5 ppm	12/18/2002	Drager Tube VC <5 ppm
Soil Type:								Mixed		Mixed		Mixed		Mixed		Mixed		Mixed	
Volatile Organic Compounds (ug/kg)																			
Acetone				160,000	1,600,000	7,800,000	NE	<1690	845	<1810	905	<3380	1,690	<1530	765	<1900	950	<1670	835
Benzene	232	87	116	10,000	100,000	22,000	10,000	110	110	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
Bromodichloromethane				15,000	150,000	10,000	NE	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
Bromoform				NE	NE	81,000	NE	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
Bromomethane				15,000	150,000	110,000	NE	<169	85	<181	91	<338	169	<153	77	<190	95	<167	84
2-Butanone (MEK)				36,000	360,000	47,000,000	4,000,000	<844	422	<903	452	<1690	845	<763	382	<948	474	<834	417
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	NE	<422	211	<452	226	<845	423	<382	191	<474	237	<417	209
Carbon Tetrachloride				6,000	60,000	4,900	10,000	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
Chlorobenzene				6,000	60,000	1,600,000	2,000,000	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
Chloroethane				6,000	60,000	49,000	NE	<169	85	<181	91	<338	169	<153	77	<190	95	<167	84
Chloroform				6,000	60,000	100,000	120,000	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
Chloromethane				30,000	300,000	49,000	NE	<169	85	<181	91	<338	169	<153	77	<190	95	<167	84
Dibromochloromethane				NE	NE	7,600	NE	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
1,1-Dichloroethane	600	225	400	6,000	60,000	7,800,000	NE	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	10,000	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
1,1-Dichloroethene				6,000	60,000	1,100	14,000	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
1,2-Dichlorobenzene				6,000	60,000	7,800,000	NE	<84.4	42	160	160	190	190	<76.3	38	<100	50	<83.4	42
1,2,4-Trimethylbenzene				NE	NE	NE	NE	2,800	2,800	910	910	710	710	200	200	440	440	960	960
cis-1,2-Dichloroethene				NE	NE	780,000	NE	2,100	2,100	17,000	17,000	7,900	7,900	4,400	4,400	3,000	3,000	2,800	2,800
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	NE	<84.4	42	520	520	<169	85	110	110	150	150	130	130
1,2-Dichloropropane				18,000	180,000	9,400	NE	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
1,3,5-Trimethylbenzene				NE	NE	NE	NE	3,700	3,700	1500	1,500	860	860	230	230	320	320	630	630
cis-1,3-Dichloropropene				18,000	180,000	NE	NE	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
trans-1,3-Dichloropropene				18,000	180,000	NE	NE	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	NE	4,200	4,200	1,500	1,500	1,700	1,700	290	290	770	770	1,100	1,100
2-Hexanone				NE	NE	NE	NE	<844	422	<903	452	<1690	845	<763	382	<948	474	<834	417
Isopropylbenzene				NE	NE	3,100,000	NE	1,600	1,600	570	570	340	340	<76.3	38	200	200	270	270
Methylene Chloride	420	158	210	30,000	300,000	85,000	NE	<84.4	42	<110	55	<190	95	<100	50	<110	55	<83.4	42
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	NE	<844	422	<903	452	<1690	845	<763	382	<948	474	<834	417
Naphthalene				5,600	56,000	310,000	NE	540	540	420	420	270	270	87	87	190	190	290	290
n-Butylbenzene				NE	NE	5,000	NE	170	170	250	250	230	230	88	88	200	200	220	220
n-Propylbenzene				NE	NE	NE	NE	430	430	230	230	<169	85	<76.3	38	220	220	190	190
p-Isopropyltoluene				NE	NE	NE	NE	460	460	480	480	250	250	88	88	120	120	190	190
sec-Butylbenzene				NE	NE	5,000	NE	170	170	130	130	<169	85	<76.3	38	120	120	94	94
Styrene				NE	NE	21,000	NE	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
tert-Butylbenzene				NE	NE		NE	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	NE	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
Tetrachloroethene				6,000	60,000	12,000	14,000	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	NE	720	720	370	370	440	440	100	100	130	130	190	190
1,1,1-Trichloroethane	4,040	1,140	1,520	6,000	60,000	7,000,000	NE	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
1,1,2-Trichloroethane				6,000	60,000	11,000	NE	<84.4	42	<90.3	45	<169	85	<76.3	38	<94.8	47	<83.4	42
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	10,000	1,100	1,100	6,100	6,100	7,800	7,800	1,800	1,800	3,900	3,900	1,900	1,900
Vinyl Chloride	456	171	228	6,000	60,000	340 *	4,000 *	<84.4	42	1,200	1,200	<169	85	<76.3	38	<94.8	47	<215	108
o-Xylene	4800	1600	2400	30,000	300,000	160,000,000	NE	17,300	17,300	8,500	8,500	7,600	7,600	2,000	2,000	2,100	2,100	1,600	1,600
m&p-Xylene						160,000,000	NE	36,600	36,600	6,900	6,900	12,700	12,700	2,300	2,300	3,300	3,300	8,900	8,900
Total VOCs	10,000			NE	NE	NE	NE		75,504		50,410		48,183		14,989		19,107		22,992
TCLP Vinyl Chloride (ug/l)	200 ug/l							<2		<2		3.0		2.3		<2.5		<2.5	
TCLP Trichloroethene (ug/l)	500 ug/l							13		35		180		72		8		4.7	
Disposal option								**Modern Landfill**		**Stockpile split into 2 sub piles and re-sampled**		**Modern Landfill**		**Modern Landfill**		**Modern Landfill**		**Modern Landfill**	

Notes:

Bold. Analyte detected was above the given action level.

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

Yellow shaded: Analyte above RCRA TCLP x 20

NE = No Standard Established

NA = Not Analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

* Vinyl chloride is a daughter product and the Contained-In threshold does not apply, it will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

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Sheet: Stockpiles

Prepared by: JK
Date: 9/3/03
Checked by: DT, CV, JK
Date: 9/5/03

SCIENTECH, Inc.

Table 5
Stockpile Test Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs): Fill	RAOs: Clay	RAOs: Sandy Silt	Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-in-Action Levels	RCRA TCLP X 20	NH-13	PID 56.1	NH-14	PID 115	NH14-a	PID 52.8	NH-15	PID 262	NH15-a	PID 104	NH-16	PID 61.1
Lab Sample Number								AD60318		AD63822		SA01791-02	NH-14 re-sampled	AD63823		SA01791-03	NH-15 re-sampled	AD64572	
Date Sampled				ug/kg	ug/kg	ug/kg	ug/l	12/18/2002	Drager Tube VC = ND	1/14/2003	Drager Tube VC >30 ppm	9/3/2003		1/14/2003	Drager Tube VC >30 ppm	9/3/2003		1/17/2003	Drager Tube VC >30 ppm
Soil Type								Mixed	TCE = ND	Mixed	TCE = 80 ppm	Mixed		Mixed	TCE = 80 ppm	Mixed		Mixed	TCE = 100 ppm
Volatile Organic Compounds (ug/kg)																			
Acetone				160,000	1,600,000	7,800,000	NE	<1530	765	<1350	675	<1330	665	<3200	1,600	<1390	695	<2880	1,440
Benzene	232	87	116	10,000	100,000	22,000	10,000	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
Bromodichloromethane				15,000	150,000	10,000	NE	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
Bromoform				NE	NE	81,000	NE	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
Bromomethane				15,000	150,000	110,000	NE	<153	77	<90	45	<133	67	<320	160	<139	70	<288	144
2-Butanone (MEK)				36,000	360,000	47,000,000	4,000,000	<764	382	<677	339	<663	332	<1600	800	<697	349	<1440	720
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	NE	<382	191	<338	169	<331	166	<800	400	<349	175	<720	360
Carbon Tetrachloride				6,000	60,000	4,900	10,000	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
Chlorobenzene				6,000	60,000	1,600,000	2,000,000	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
Chloroethane				6,000	60,000	49,000	NE	<153	77	<135	68	<133	67	<320	160	<139	70	<288	144
Chloroform				6,000	60,000	100,000	120,000	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
Chloromethane				30,000	300,000	49,000	NE	<153	77	<135	68	<133	67	<320	180	<139	70	<288	144
Dibromochloromethane				NE	NE	7,800	NE	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
1,1-Dichloroethane	600	225	300	6,000	60,000	7,800,000	NE	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	10,000	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
1,1-Dichloroethene				6,000	60,000	1,100	14,000	<76.4	38	<67.7	34	<66.3	33	<160	80	83.6	83.6	<144	72
1,2-Dichlorobenzene				6,000	60,000	7,800,000	NE	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
1,2,4-Trimethylbenzene				NE	NE	NE	NE	440	440	730	730	121	121	2,300	2,300	654	654	270	270
cis-1,2-Dichloroethene				NE	NE	780,000	NE	1,300	1,300	21,000	21,000	8,680	8,680	47,700	47,700	37,100	37,100	19,100	19,100
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	NE	<76.4	38	200	200	<66.3	33	350	350	248	248	<144	72
1,2-Dichloropropane				18,000	180,000	9,400	NE	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
1,3,5-Trimethylbenzene				NE	NE	NE	NE	670	670	750	750	179	179	1,500	1,500	877	877	160	160
cis-1,3-Dichloropropene				18,000	180,000	NE	NE	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
trans-1,3-Dichloropropene				18,000	180,000	NE	NE	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	NE	860	860	1,100	1,100	243	243	2,700	2,700	1,020	1,020	300	300
2-Hexanone				NE	NE	NE	NE	<764	382	<677	339	<663	332	<1600	800	<697	349	<1440	720
Isopropylbenzene				NE	NE	3,100,000	NE	240	240	81	81	<66.3	33	170	170	96.9	96.9	<144	72
Methylene Chloride	420	158	210	30,000	300,000	85,000	NE	<85	43	<90	45	<663	332	<270	135	<697	349	<180	90
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	NE	<764	382	<677	339	<663	332	<1600	800	<697	349	<1440	720
Naphthalene				5,600	56,000	310,000	NE	170	170	370	370	151	151	680	680	429	429	160	160
n-Butylbenzene				NE	NE	5,000	NE	130	130	270	270	<66.3	33	470	470	207	207	<144	72
n-Propylbenzene				NE	NE	NE	NE	130	130	140	140	<66.3	33	280	280	129	129	<144	72
p-Isopropyltoluene				NE	NE	NE	NE	150	150	170	170	<66.3	33	280	280	160	160	<144	72
sec-Butylbenzene				NE	NE	5,000	NE	<76.4	38	77	77	<66.3	33	<160	80	76	76	<144	72
Styrene				NE	NE	21,000	NE	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
tert-Butylbenzene				NE	NE		NE	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	NE	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
Tetrachloroethene				6,000	60,000	12,000	14,000	<76.4	38	340	340	<66.3	33	820	820	<69.7	35	<144	72
Toluene	6,000	2,250	3,000	10,000	100,000	18,000,000	NE	<76.4	38	390	390	94.8	94.8	1,600	1,600	234	234	240	240
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	NE	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
1,1,2-Trichloroethane				6,000	60,000	11,000	NE	<76.4	38	<67.7	34	<66.3	33	<160	80	<69.7	35	<144	72
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	10,000	1,500	1,500	**62,200**	62,200	274	274	**68,900**	68,900	1,220	1,220	**16,500**	16,500
Vinyl Chloride	456	171	228	6,000	60,000	340 *	4,000 *	<76.4	38	**260**	260	139	139	**3,000**	3,000	**549**	549	<144	72
o-xylene	4800	1800	2400	30,000	300,000	180,000,000	NE	**2,000**	2,000	**4,000**	4,000	818	818	**8,400**	8,400	**3,170**	3,170	**1,000**	1,000
m&p-xylene						160,000,000	NE	**3,800**	3,800	**6,000**	6,000	480	480	**17,600**	17,600	**3,160**	3,160	**2,900**	2,900
Total VOCs	10,000			NE	NE	NE	NE		14,681		100,806		14,398		163,365		52,548		47,056
TCLP Vinyl Chloride (ug/l)	200 ug/l							<2.5		17				60				<2.5	
TCLP Trichloroethene (ug/l)	500 ug/l							4.8		2800				1200				210	
Disposal option								**Modern Landfill**		**Re-sampled on 9/3/03**		**Modern Landfill**		**Re-sampled on 9/3/03**		**Modern Landfill**		**Modern Landfill**	

Notes:

Bold: Analyte detected was above the given action level.

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

Yellow shaded: Analyte above RCRA TCLP x 20

NE = No Standard Established

NA = Not Analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

* Vinyl chloride is a daughter product and the "contained-in" threshold does not apply. It will only be necessary to ensure that concentrations of vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

Table 5
Stockpile Test Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs) Fill	Clay	Sandy Silt	Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-in-Action Levels	RCRA TCLP X 20	NH-17	PID 137	NH17-a	PID 342	NH-18	PID 321	NH-18a REV	PID 321	NH18A-a	PID 132	NH-18b	PID 84.1
Lab Sample Number:								AD64573		SA01791-04	NH-17 re-sampled	AD65082		AD70542		SA01791-05	NH-18a re-sampled	AD69678	
Date Sampled:				ug/kg	*ug/kg*	ug/kg	ug/l	1/17/2003	Drager Tube VC >30 ppm	9/3/2003		1/18/2003	Drager Tube VC >30 ppm	2/27/2003		9/3/2003		2/19/2003	Drager Tube VC > 30 ppm
Soil Type								Mixed	TCE <150 ppm	Mixed			TCE = 50 ppm	Mixed		Mixed		Mixed	TCE = 40 ppm
Volatile Organic Compounds (ug/kg)																			
Acetone				160,000	*1,600,000*	7,800,000	NE	<2940	1,470	<1290	645	<2820	1,410	<3060	1,530	<1220	610	<1450	725
Benzene	**232**	**87**	**116**	10,000	*100,000*	22,000	10,000	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
Bromodichloromethane				15,000	*150,000*	10,000	NE	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
Bromoform				NE	*NE*	81,000	NE	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
Bromomethane				15,000	*150,000*	110,000	NE	<294	147	<129	65	<282	141	306	306	<122	61	<145	73
2-Butanone (MEK)				36,000	*360,000*	47,000,000	4,000,000	<1470	735	<646	323	<1410	705	<1530	765	<612	306	<724	362
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	NE	<735	368	<323	162	<705	353	<765	383	<306	153	<362	181
Carbon Tetrachloride				6,000	*60,000*	4,900	10,000	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
Chlorobenzene				6,000	*60,000*	1,600,000	2,000,000	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
Chloroethane				6,000	*60,000*	49,000	NE	<294	147	<129	65	<282	141	<306	153	<122	61	<145	73
Chloroform				6,000	*60,000*	100,000	120,000	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
Chloromethane				30,000	*300,000*	49,000	NE	<294	147	<129	65	<282	141	<306	153	<122	61	<145	73
Dibromochloromethane				NE	*NE*	7,600	NE	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
1,1-Dichloroethane	**600**	**225**	**300**	6,000	*60,000*	7,800,000	NE	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
1,2-Dichloroethane	**280**	**105**	**140**	6,000	*60,000*	7,000	10,000	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
1,1-Dichloroethene				6,000	*60,000*	1,100	14,000	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	NE	<147	74	<64.8	32	<141	71	<153	77	<61.2	31	<72.4	36
1,2,4-Trimethylbenzene				NE	*NE*	NE	NE	620	620	65.9	65.9	2,700	2,700	5,300	5,300	235	235	420	420
cis-1,2-Dichloroethene				NE	*NE*	780,000	NE	13,000	13,000	6,080	6,080	14,900	14,900	42,500	42,500	2,810	2,810	5,800	5,800
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	NE	<147	74	65.9	65.9	170	170	440	440	<61.2	31	<72.4	36
1,2-Dichloropropane				18,000	*180,000*	9,400	NE	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
1,3,5-Trimethylbenzene				NE	*NE*	NE	NE	410	410	151	151	1,500	1,500	3,400	3,400	333	333	500	500
cis-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
trans-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
Ethylbenzene	**22,000**	**8,250**	**11,000**	10,000	*100,000*	7,800,000	NE	990	990	154	154	3,900	3,900	**10,700**	10,700	190	190	960	960
2-Hexanone				NE	*NE*	NE	NE	<1470	735	<646	323	<1410	705	<1530	765	<612	306	<72.4	36
Isopropylbenzene				NE	*NE*	3,100,000	NE	<147	74	<64.6	32	260	260	760	760	<61.2	31	<72.4	36
Methylene Chloride	**420**	**158**	**210**	30,000	*300,000*	85,000	NE	<180	90	<646	323	<200	100	<153	77	<612	306	<170	85
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	NE	<1470	735	<646	323	<1410	705	<1530	765	<612	306	<724	362
Naphthalene				5,600	*56,000*	310,000	NE	300	300	87.2	87.2	1,900	1,900	3,500	3,500	<61.2	31	360	360
n-Butylbenzene				NE	*NE*	5,000	NE	200	200	<64.6	32	620	620	910	910	68.5	68.5	210	210
n-Propylbenzene				NE	*NE*	NE	NE	<147	74	<64.6	32	350	350	930	930	<61.2	31	100	100
p-Isopropyltoluene				NE	*NE*	NE	NE	<147	74	<64.6	32	330	330	750	750	86.9	86.9	100	100
sec-Butylbenzene				NE	*NE*	5,000	NE	<147	74	<64.6	32	210	210	480	480	<61.2	31	<72.4	36
Styrene				NE	*NE*	21,000	NE	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
tert-Butylbenzene				NE	*NE*		NE	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	NE	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
Tetrachloroethene				6,000	*60,000*	12,000	14,000	550	550	<64.6	32	180	180	<153	77	<61.2	31	120	120
Toluene	**6,000**	**2,250**	**3,000**	10,000	*100,000*	16,000,000	NE	1,300	1,300	<84.6	32	1,100	1,100	**3,200**	3,200	63.6	63.6	290	290
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	6,000	*60,000*	7,000,000	NE	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
1,1,2-Trichloroethane				6,000	*60,000*	11,000	NE	<147	74	<64.6	32	<141	71	<153	77	<61.2	31	<72.4	36
Trichloroethene	**2,520**	**945**	**1,260**	6,000	*60,000*	58,000	10,000	**67,900**	67,900	267	267	**21,000**	21,000	**28,400**	28,400	**1,260**	1,260	**17,500**	17,500
Vinyl Chloride	**456**	171	**228**	6,000	*60,000*	340 *	4,000 *	<147	74	101	101	**3,200**	3,200	**4,500**	4,500	84.5	84.5	**220**	220
o-xylene	**4800**	**1800**	**2400**	30,000	*300,000*	160,000,000	NE	**2,900**	2,900	671	671	**13,400**	13,400	**30,300**	30,300	902	902	**3,400**	3,400
m&p-xylene						160,000,000	NE	**6,100**	6,100	422	422	**36,500**	36,500	**63,800**	63,800	497	497	**2,600**	2,600
Total VOCs	10,000			NE	NE	NE	NE		100,681		11,197		107,960		142,496		9,466		35,345
TCLP Vinyl Chloride (ug/l)	200 ug/l							<10				130						3.9	
TCLP Trichloroethene (ug/l)	500 ug/l							1200				490						330	
Disposal option								Re-sampled on 9/3/03		Modern Landfill		Stockpile split into 3 sub piles and re-sampled		Re-sampled on 9/3/03		Modern Landfill		Modern Landfill	

Notes:
Bold: Analyte detected was above the given action level
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded. Analyte above NYS "Contained In" Action Level
Yellow shaded: Analyte above RCRA TCLP x 20
NE = No Standard Established
NA = Not Analyzed
J = Estimated Value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL
* Vinyl chloride is a daughter product and the Contained-In threshhold does not apply. It will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

Prepared by: JK
Date: [illegible]
Checked by: DT, CV, JK
Date: 9/9/03

SCIENTECH, Inc.

Table 5
Stockpile Test Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs) Fill	Clay	Sandy Silt	Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-in Action Levels	RCRA TCLP X 20	NH-20	PID	NH-23	PID 806	NH-24	PID 136	NH-25	PID 421	NH-26	PID 255	NH-27	PID 0.0
Lab Sample Number:								AD65690		AD71331		AD71332		AD71457		AD71458		AD73134	Drager Tube
Date Sampled:				ug/kg	ug/kg	ug/kg	ug/l	1/22/2003		3/5/2003		3/5/2003		3/6/2003		3/6/2003		3/17/2003	VC < 1 ppm
Soil Type:								Mixed		Mixed		Mixed		Mixed		Mixed		Mixed	TCE = 10 ppm
Volatile Organic Compounds (ug/kg)																			
Acetone				160,000	1,600,000	7,800,000	NE	<1350	675	<28100	14,050	<1640	820	<28500	14,250	<3000	1,500	<700	350
Benzene	232	87	116	10,000	100,000	22,000	10,000	<67.4	34	<1410	705	250	250	<1420	710	1,900	1,900	<35.0	18
Bromodichloromethane				15,000	150,000	10,000	NE	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	<35.0	18
Bromoform				NE	NE	81,000	NE	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	<35.0	18
Bromomethane				15,000	150,000	110,000	NE	<135	68	<2810	1,405	<164	82	<2850	1,425	<300	150	<70.0	35
2-Butanone (MEK)				36,000	360,000	47,000,000	4,000,000	<674	337	<14100	7,050	<818	409	<14200	7,100	<1500	750	<350	175
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	NE	<337	169	<7030	3,515	<409	205	<7120	3,560	<750	375	<175	88
Carbon Tetrachloride				6,000	60,000	4,900	10,000	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	<35.0	18
Chlorobenzene				6,000	60,000	1,800,000	2,000,000	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	56	56
Chloroethane				6,000	60,000	49,000	NE	<135	68	<2810	1,405	<164	82	<2850	1,425	<300	150	<70.0	35
Chloroform				6,000	60,000	100,000	120,000	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	<35.0	18
Chloromethane				30,000	300,000	49,000	NE	<135	68	<2810	1,405	<164	82	3,600	3,600	<300	150	<70.0	35
Dibromochloromethane				NE	NE	7,600	NE	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	<35.0	18
1,1-Dichloroethane	300	225	300	6,000	60,000	7,800,000	NE	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	<35.0	18
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	10,000	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	<35.0	18
1,1-Dichloroethene				6,000	60,000	1,100	14,000	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	<35.0	18
1,2-Dichlorobenzene				6,000	60,000	7,800,000	NE	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	76	76
1,2,4-Trimethylbenzene				NE	NE	NE	NE	1,000	1,000	283,400	283,400	1,300	1,300	5,400	5,400	2,300	2,300	69	69
cis-1,2-Dichloroethene				NE	NE	780,000	NE	5,300	5,300	408,900	408,900	7,100	7,100	105,600	105,600	17,200	17,200	1,500	1,500
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	NE	<67.4	34	1,900	1,900	83	83	<1420	710	300	300	78	78
1,2-Dichloropropane				18,000	180,000	9,400	NE	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	<35.0	18
1,3,5-Trimethylbenzene				NE	NE	NE	NE	670	670	98,300	98,300	770	770	3,000	3,000	1,400	1,400	56	56
cis-1,3-Dichloropropene				18,000	180,000	NE	NE	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	<35.0	18
trans-1,3-Dichloropropene				18,000	180,000	NE	NE	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	<35.0	18
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	NE	1,300	1,300	**71,500**	71,500	3,300	3,300	**20,400**	20,400	4,500	4,500	80	80
2-Hexanone				NE	NE	NE	NE	<674	337	<14100	7,050	<818	409	<14200	7,100	<1500	750	<350	175
Isopropylbenzene				NE	NE	3,100,000	NE	100	100	21,400	21,400	240	240	<1420	710	390	390	<35.0	18
Methylene Chloride	420	158	210	30,000	300,000	85,000	NE	<90	45	<8300	4,150	<190	95	<2848	1,424	<300	150	<70.0	35
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	NE	<674	337	<14100	7,050	<818	409	<14200	7,100	<1500	750	<350	175
Naphthalene				5,600	56,000	310,000	NE	420	420	**40,300**	40,300	560	560	3,300	3,300	1,000	1,000	45	45
n-Butylbenzene				NE	NE	5,000	NE	260	260	**63,100**	63,100	380	380	<1420	710	600	600	<35.0	18
n-Propylbenzene				NE	NE	NE	NE	150	150	46,600	46,800	240	240	<1420	710	440	440	<35.0	18
p-Isopropyltoluene				NE	NE	NE	NE	140	140	33,000	33,000	200	200	<1420	710	380	380	<35.0	18
sec-Butylbenzene				NE	NE	5,000	NE	86	86	32,100	32,100	130	130	<1420	710	320	320	<35.0	18
Styrene				NE	NE	21,000	NE	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	<35.0	18
tert-Butylbenzene				NE	NE		NE	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	<35.0	18
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	NE	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	<35.0	18
Tetrachloroethene				6,000	60,000	12,000	14,000	310	310	<1410	705	<81.8	41	<1420	710	<150	75	<35.0	18
Toluene	[illegible]	[illegible]	3,000	10,000	100,000	16,000,000	NE	420	420	**167,500**	167,500	1,300	1,300	6,100	8,100	1,500	1,500	<35.0	18
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	NE	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	<35.0	18
1,1,2-Trichloroethane				6,000	60,000	11,000	NE	<67.4	34	<1410	705	<81.8	41	<1420	710	<150	75	<35.0	18
Trichloroethene	2,520	945	1,280	6,000	60,000	58,000	10,000	**30,000**	30,000	**1,277,100**	1,277,100	**3,300**	3,300	**422,100**	422,100	**17,800**	17,800	880	880
Vinyl Chloride	456	171	228	6,000	60,000	340 *	4,000 *	110	110	**24,800**	24,800	**1,100**	1,100	**8,800**	8,800	**3,400**	3,400	120	120
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	NE	**4,100**	4,100	**118,700**	118,700	**8,100**	8,100	56,300	56,300	**13,700**	13,700	240	240
m&p-xylene						160,000,000	NE	**8,700**	8,700	**311,300**	311,300	**24,000**	24,000	213,800	213,800	**43,900**	43,900	570	570
Total VOCs	10,000			NE	NE	NE	NE		55,842		3,061,280		55,723		910,244		117,180		5,291
TCLP Vinyl Chloride (ug/l)	200 ug/l							35		NA		NA		NA		NA		NA	
TCLP Trichloroethene (ug/l)	500 ug/l							470		NA		NA		NA		NA		NA	
Disposal option								**Modern Landfill**		**Sarnia Landfill**		**Modern Landfill**		**Sarnia Landfill**		**Modern Landfill**		**Modern Landfill**	

Notes:

Bold: Analyte detected was above the given action level

Bold and Boxed. Analyte detected was above the Universal Treatment Standard (UTS)

Italic: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

Yellow shaded: Analyte above RCRA TCLP x 20

NE = No Standard Established

NA = Not Analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

* Vinyl chloride is a daughter product and the Contained-in threshold does not apply. It will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

Table 5
Stockpile Test Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-in-Action Levels	RCRA TCLP X 20	NH-28	PID 0.0	NH-29	PID 161	NH-30	PID 18.8	NH-31	PID 82.8	NH-32	PID 47.8	NH32-a	PID 132
Lab Sample Number	Fill	Clay	Sandy Silt					AD73135		AD73307		AD73308		AD73309		AD73578		SA01791-08	NH-32 re-sampled
Date Sampled:				ug/kg	ug/kg	ug/kg	ug/l	3/17/2003		3/18/2003	Drager Tube VC = 10 ppm	3/18/2003	Drager Tube VC = 10 ppm	3/18/2003	Drager Tube VC = 5 ppm	3/19/2003	Drager Tube VC > 30 ppm	9/3/2003	
Soil Type								Mixed		Mixed	TCE < 20 ppm	Mixed	TCE < 20 ppm	Mixed	TCE < 20 ppm	Mixed	TCE > 250 ppm	Mixed	
Volatile Organic Compounds (ug/kg)																			
Acetone				160,000	1,600,000	7,800,000	NE	<640	320	<1520	760	<1400	700	<1460	730	<1660	830	<1700	850
Benzene	232	87	116	10,000	100,000	22,000	10,000	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<84.8	42
Bromodichloromethane				15,000	150,000	10,000	NE	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<84.8	42
Bromoform				NE	NE	81,000	NE	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<84.8	42
Bromomethane				15,000	150,000	110,000	NE	<64.0	32	<152	76	<140	70	<146	73	<200	100	<170	85
2-Butanone (MEK)				36,000	360,000	47,000,000	4,000,000	<320	160	<760	380	<700	350	<730	365	<830	415	<848	424
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	NE	<160	80	<380	190	<350	175	<365	183	<415	208	<424	212
Carbon Tetrachloride				6,000	60,000	4,900	10,000	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<84.8	42
Chlorobenzene				6,000	60,000	1,600,000	2,000,000	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<84.8	42
Chloroethane				6,000	60,000	49,000	NE	<64.0	32	<152	76	<140	70	<146	73	<166	83	<170	85
Chloroform				6,000	60,000	100,000	120,000	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<84.8	42
Chloromethane				30,000	300,000	49,000	NE	<64.0	32	<152	76	<140	70	<146	73	<166	83	<170	85
Dibromochloromethane				NE	NE	7,600	NE	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<84.8	42
1,1-Dichloroethane	600	225	300	6,000	60,000	7,800,000	NE	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<84.8	42
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	10,000	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<84.8	42
1,1-Dichloroethene				6,000	60,000	1,100	14,000	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	125	125
1,2-Dichlorobenzene				6,000	60,000	7,800,000	NE	1,500	1,500	<76.0	38	2,200	2,200	460	460	450	450	675	675
1,2,4-Trimethylbenzene				NE	NE	NE	NE	92	92	300	300	88	88	<73.0	37	910	910	954	954
cis-1,2-Dichloroethene				NE	NE	780,000	NE	2,200	2,200	6,500	6,500	3,100	3,100	4,000	4,000	13,200	13,200	48,500	48,500
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	NE	<32.0	16	76	76	<70.0	35	<73.0	37	<83.0	42	175	175
1,2-Dichloropropane				18,000	180,000	9,400	NE	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<84.8	42
1,3,5-Trimethylbenzene				NE	NE	NE	NE	63	63	220	220	89	89	77	77	500	500	530	530
cis-1,3-Dichloropropene				18,000	180,000	NE	NE	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<84.8	42
trans-1,3-Dichloropropene				18,000	180,000	NE	NE	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<84.8	42
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	NE	94	94	370	370	93	93	100	100	1,100	1,100	1,100	1,100
2-Hexanone				NE	NE	NE	NE	<320	160	<760	380	<700	350	<730	365	<830	415	<848	424
Isopropylbenzene				NE	NE	3,100,000	NE	<32.0	16	<76.0	38	<70.0	35	<73.0	37	95	95	108	108
Methylene Chloride	420	158	210	30,000	300,000	85,000	NE	<70.0	35	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<848	424
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	NE	<320	160	<760	380	<700	350	<730	365	<830	415	<848	424
Naphthalene				5,600	56,000	310,000	NE	66	66	100	100	70	70	<73.0	37	290	290	514	514
n-Butylbenzene				NE	NE	5,000	NE	<32.0	16	100	100	<70.0	35	<73.0	37	230	230	236	236
n-Propylbenzene				NE	NE	NE	NE	<32.0	16	<76.0	38	<70.0	35	<73.0	37	140	140	158	158
p-Isopropyltoluene				NE	NE	NE	NE	<32.0	16	130	130	<70.0	35	<73.0	37	160	160	236	236
sec-Butylbenzene				NE	NE	5,000	NE	<32.0	16	<76.0	38	<70.0	35	<73.0	37	84	84	103	103
Styrene				NE	NE	21,000	NE	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<84.8	42
tert-Butylbenzene				NE	NE		NE	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<84.8	42
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	NE	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<84.8	42
Tetrachloroethene				6,000	60,000	12,000	14,000	38	38	<76.0	38	120	120	130	130	630	630	114	114
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	NE	33	33	130	130	71	71	<73.0	37	380	380	399	399
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	NE	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<84.8	42
1,1,2-Trichloroethane				6,000	60,000	11,000	NE	<32.0	16	<76.0	38	<70.0	35	<73.0	37	<83.0	42	<84.8	42
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	10,000	5,600	5,600	10,400	10,400	18,900	18,900	17,300	17,300	64,800	64,800	1,650	1,650
Vinyl Chloride	456	171	228	6,000	60,000	340 *	4,000 *	56	56	130	130	150	150	<73.0	37	1,000	1,000	564	564
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	NE	220	220	840	840	400	400	440	440	2,500	2,500	1,800	1,800
m&p-xylene						160,000,000	NE	320	320	1,500	1,500	490	490	360	360	5,600	5,600	4,260	4,260
Total VOCs	10,000			NE	NE	NE	NE		11,677		24,026		28,781		26,152		95,448		65,935
TCLP Vinyl Chloride (ug/l)	200 ug/l							NA		NA		NA		NA		NA		NA	
TCLP Trichloroethene (ug/l)	500 ug/l							NA		NA		NA		NA		NA		NA	
Disposal option								**Modern Landfill**		**Modern Landfill**		**Modern Landfill**		**Modern Landfill**		**Re-sampled on 9/3/03**		**Modern Landfill**	

Notes:
Bold: Analyte detected was above the given action level.
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Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained In" Action Level
Yellow Shaded: Analyte above RCRA TCLP x 20
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B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL
* Vinyl chloride is a daughter product and the Contained-In threshold does not apply. It will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

Prepared by: JK
Date: 9/9/03
Checked by: DT, CV, JK
Date: 9/3/03

Table 5
Stockpile Test Results
LEICA Inc.

SCIENTECH, Inc.

ANALYTES	Remedial Action Objectives (RAOs) Fill	Clay	Sandy Silt	Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM "Contained-in" Action Levels	RCRA TCLP X 20	NH-33	PID 3.7	NH-34	PID 2.8	NH-35	PID 20.2	NH-36	PID 3.7	NH-37	PID 7.2	NH-38	PID 31.6
Lab Sample Number								AD82349		AD82350		AD82351		AD82352		AD82353		AD82612	
Date Sampled:				ug/kg	ug/kg	ug/kg	ug/l	4/29/2003		4/29/2003		4/29/2003		4/29/2003		4/29/2003		4/29/2003	
Soil Type								Mixed		Mixed		Mixed		Mixed		Mixed		Mixed	
Volatile Organic Compounds (ug/kg)																			
Acetone				160,000	*1,600,000*	7,800,000	NE	<100	50	<100	50	<100	50	<100	50	<100	50	<1340	670
Benzene	232	87	116	10,000	*100,000*	22,000	10,000	<5	3	11	11	5.5	6	<5	3	<5	3	<67	34
Bromodichloromethane				15,000	*150,000*	10,000	NE	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
Bromoform				NE	*NE*	81,000	NE	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
Bromomethane				15,000	*150,000*	110,000	NE	<10	5	<10	5	<10	5	<10	5	<10	5	<134	67
2-Butanone (MEK)				36,000	*360,000*	47,000,000	4,000,000	<50	25	<150	75	<100	50	<50	25	<50	25	<670	335
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	NE	<25	13	<25	13	<25	13	<25	13	<25	13	<335	168
Carbon Tetrachloride				6,000	*60,000*	4,900	10,000	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
Chlorobenzene				6,000	*60,000*	1,600,000	2,000,000	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
Chloroethane				6,000	*60,000*	49,000	NE	<10	5	<10	5	<10	5	<10	5	<10	5	<134	67
Chloroform				6,000	*60,000*	100,000	120,000	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
Chloromethane				30,000	*300,000*	49,000	NE	<10	5	<10	5	<10	5	<10	5	<10	5	<134	67
Dibromochloromethane				NE	*NE*	7,600	NE	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
1,1-Dichloroethane	600	225	300	6,000	*60,000*	7,800,000	NE	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
1,2-Dichloroethane	280	105	140	6,000	*60,000*	7,000	10,000	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
1,1-Dichloroethene				6,000	*60,000*	1,100	14,000	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	NE	250	250	<5	3	<5	3	<5	3	<5	3	<67	34
1,2,4-Trimethylbenzene				NE	*NE*	NE	NE	10	10	15	15	<5	3	<5	3	<5	3	420	420
cis-1,2-Dichloroethene				NE	*NE*	780,000	NE	3,700	3,700	1,200	1,200	3,400	3,400	7,900	7,900	1,500	1,500	2,200	2,200
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	NE	110	110	160	160	86	86	280	280	160	160	79	79
1,2-Dichloropropane				18,000	*180,000*	9,400	NE	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
1,3,5-Trimethylbenzene				NE	*NE*	NE	NE	8.5	9	12	12	<5	3	<5	3	<5	3	240	240
cis-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
trans-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
Ethylbenzene	22,000	8,250	11,000	10,000	*100,000*	7,800,000	NE	13	13	12	12	<5	3	<5	3	<5	3	240	240
2-Hexanone				NE	*NE*	NE	NE	<50	25	<50	25	<50	25	<50	25	<50	25	<670	335
Isopropylbenzene				NE	*NE*	3,100,000	NE	<5	3	<5	3	<5	3	<5	3	<5	3	<67.0	34
Methylene Chloride	420	158	210	30,000	*300,000*	85,000	NE	<5	3	<5	3	<5	3	<5	3	<5	3	<67.0	34
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	NE	<50	25	<50	25	<50	25	<50	25	<50	25	<670	335
Naphthalene				5,600	*56,000*	310,000	NE	<5	3	8.6	9	<5	3	300	300	<5	3	81	81
n-Butylbenzene				NE	*NE*	5,000	NE	<5	3	<5	3	<5	3	<5	3	<5	3	140	140
n-Propylbenzene				NE	*NE*	NE	NE	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
p-Isopropyltoluene				NE	*NE*	NE	NE	<5	3	<5	3	<5	3	<5	3	<5	3	73	73
sec-Butylbenzene				NE	*NE*	5,000	NE	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
Styrene				NE	*NE*	21,000	NE	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
tert-Butylbenzene				NE	*NE*		NE	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	NE	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
Tetrachloroethene				6,000	*60,000*	12,000	14,000	7	7	<5	3	<5	3	<5	3	<5	3	<67	34
Toluene	6,000	2,250	3,000	10,000	*100,000*	16,000,000	NE	12	12	22	22	8.7	9	5.2	5	<5	3	87	87
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	*60,000*	7,000,000	NE	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
1,1,2-Trichloroethane				6,000	*60,000*	11,000	NE	<5	3	<5	3	<5	3	<5	3	<5	3	<67	34
Trichloroethene	2,520	945	1,260	6,000	*60,000*	58,000	10,000	**4,300**	4,300	**1,000**	1,000	**2,100**	2,100	**6,700**	6,700	**1,400**	1,400	**1,100**	1,100
Vinyl Chloride	456	171	228	6,000	*60,000*	340 *	4,000 *	120	120	220	220	21	21	**1,900**	1,900	**550**	550	**330**	330
o-xylene	4800	1600	2400	30,000	*300,000*	160,000,000	NE	180	180	150	150	<5	3	85	85	<5	3	470	470
m&p-xylene						160,000,000	NE	280	280	190	190	<10	5	<10	5	<10	5	1,000	1,000
Total VOCs	10,000			NE	NE	NE	NE		9,206		3,266		5,879		17,400		3,848		9,308
TCLP Vinyl Chloride (ug/l)	200 ug/l							NA		NA		NA		NA		NA		NA	
TCLP Trichloroethene (ug/l)	500 ug/l							NA		NA		NA		NA		NA		NA	
Disposal option								**Modern Landfill**		**Approved by NYSDEC to be used as backfill in Area C**		**Modern Landfill**		**Modern Landfill**		**Modern Landfill**		**Modern Landfill**	

Notes:

Bold: Analyte detected was above the given action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

Yellow shaded: Analyte above RCRA TCLP x 20

NE = No Standard Established

NA = Not Analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

* Vinyl chloride is a daughter product and the Contained-In threshold does not apply. It will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA Characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

SCIENTECH, Inc.

Table 5
Stockpile Test Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-In-Action Levels	RCRA TCLP X 20	NH-39	PID 23.2	NH-40	PID 23.4	NH-41	PID 24.7	NH-42	PID 11.7	NH-43	PID 8.8	NH-44	PID 23.4
Lab Sample Number:	Fill	Clay	Sandy Silt					AD82619		AD82620		AD82621		AD83589		AD83590		AD83591	
Date Sampled:				ug/kg	ug/kg	ug/kg	ug/l	4/30/2003		4/30/2003		4/30/2003		5/1/2003		5/1/2003		5/2/2003	
Soil Type								Mixed		Mixed		Mixed		Mixed		Mixed		Mixed	
Volatile Organic Compounds (ug/kg)																			
Acetone				160,000	1,600,000	7,800,000	NE	<1340	670	<1660	830	<1760	880	<1460	730	<1620	810	<1440	720
Benzene	232	87	115	10,000	100,000	22,000	10,000	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
Bromodichloromethane				15,000	150,000	10,000	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
Bromoform				NE	NE	81,000	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
Bromomethane				15,000	150,000	110,000	NE	<134	67	<166	83	<176	88	<146	73	<162	81	<144	72
2-Butanone (MEK)				36,000	360,000	47,000,000	4,000,000	<670	335	<830	415	<880	440	<730	365	<810	405	<720	360
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	NE	<335	168	<415	208	<440	220	<365	183	<405	203	<360	180
Carbon Tetrachloride				6,000	60,000	4,900	10,000	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
Chlorobenzene				6,000	60,000	1,600,000	2,000,000	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
Chloroethane				6,000	60,000	49,000	NE	<134	67	<166	83	<176	88	<146	73	<162	81	<144	72
Chloroform				6,000	60,000	100,000	120,000	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
Chloromethane				30,000	300,000	40,000	NE	<134	67	<166	83	<176	88	<146	73	<162	81	<144	72
Dibromochloromethane				NE	NE	7,600	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
1,1-Dichloroethane	600	225	300	6,000	60,000	7,800,000	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	10,000	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
1,1-Dichloroethene				6,000	60,000	1,100	14,000	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
1,2-Dichlorobenzene				6,000	60,000	7,800,000	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
1,2,4-Trimethylbenzene				NE	NE	NE	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
cis-1,2-Dichloroethene				NE	NE	780,000	NE	1,700	1,700	2,100	2,100	1,900	1,900	570	570	150	150	1,500	1,500
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	NE	110	110	110	110	120	120	<73	37	<81	41	<72	36
1,2-Dichloropropane				18,000	180,000	9,400	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
1,3,5-Trimethylbenzene				NE	NE	NE	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
cis-1,3-Dichloropropene				18,000	180,000	NE	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
trans-1,3-Dichloropropene				18,000	180,000	NE	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	NE	<67	34	<83	42	180	180	<73	37	<81	41	<72	36
2-Hexanone				NE	NE	NE	NE	<670	335	<830	415	<880	440	<730	365	<810	405	<720	360
Isopropylbenzene				NE	NE	3,100,000	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
Methylene Chloride	420	158	210	30,000	300,000	85,000	NE	<67	34	<83	42	<150	75	<180	90	<100	50	<90	45
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	NE	<670	335	<830	415	<880	440	<730	365	<810	405	<720	360
Naphthalene				5,600	56,000	310,000	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
n-Butylbenzene				NE	NE	5,000	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
n-Propylbenzene				NE	NE	NE	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
p-Isopropyltoluene				NE	NE	NE	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
sec-Butylbenzene				NE	NE	5,000	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
Styrene				NE	NE	21,000	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
tert-Butylbenzene				NE	NE		NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
Tetrachloroethene				6,000	60,000	12,000	14,000	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
1,1,2-Trichloroethane				6,000	60,000	11,000	NE	<67	34	<83	42	<88	44	<73	37	<81	41	<72	36
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	10,000	**2,900**	2,900	**6,300**	6,300	**3,300**	3,300	**1,900**	1,900	<81	41	550	550
Vinyl Chloride	456	171	228	6,000	60,000	340 *	4,000 *	120	120	140	140	**210**	210	<73	37	190	190	120	120
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	NE	<67	34	<83	42	**620**	620	<73	37	170	170	79	79
m&p-xylene						160,000,000	NE	220	220	<166	83	**1,400**	1,400	<146	73	360	360	170	170
Total VOCs	10,000			NE	NE	NE	NE		8,166		12,593		11,765		6,064		4,687		5,776
TCLP Vinyl Chloride (ug/l)	200 ug/l							NA		NA		NA		NA		NA		NA	
TCLP Trichloroethene (ug/l)	500 ug/l							NA		NA		NA		NA		NA		NA	
Disposal option								**Modern Landfill**		**Modern Landfill**		**Modern Landfill**		**Modern Landfill**		**Approved by NYSDEC to be used as backfill in Area C**		**Approved by NYSDEC to be used as backfill in Area C**	

Notes:
Bold: Analyte detected was above the given action level.
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained In" Action Level
Yellow shaded: Analyte above RCRA TCLP x 20
NE = No Standard Established
NA = Not Analyzed
J = Estimated Value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL
* Vinyl chloride is a daughter product and the Contained-in threshold does not apply, it will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

Prepared by: JK
Date: 9/9/03
Checked by: DT, CV, JK
Date: 9/9/03

SCIENTECH, Inc.

Table 5
Stockpile Test Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-in-Action Levels	RCRA TCLP X 20												
								NH-45	PID 10.9	NH-46	PID 4.9	NH-47	PID 2.5	NH-48	PID 2.8	NH-49	PID 269	NH-50	PID 39.1
Lab Sample Number	Fill	Clay	Sandy Silt					AD83592		AD83600		AD83601		AD83602		AD83603		AD83604	
Date Sampled:				ug/kg	ug/kg	ug/kg	ug/l	5/2/2003		5/5/2003		5/5/2003		5/5/2003		5/5/2003		5/5/2003	
Soil Type								Mixed		Mixed		Mixed		Mixed		Mixed		Mixed	
Volatile Organic Compounds (ug/kg)																			
Acetone				160,000	1,600,000	7,800,000	NE	<1120	560	<1360	680	<1300	650	<1500	750	<2760	1,380	<1460	730
Benzene	232	67	116	10,000	100,000	22,000	10,000	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
Bromodichloromethane				15,000	150,000	10,000	NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
Bromoform				NE	NE	81,000	NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
Bromomethane				15,000	150,000	110,000	NE	<112	56	<136	68	<130	65	<150	75	<276	138	<146	73
2-Butanone (MEK)				36,000	360,000	47,000,000	4,000,000	<560	280	<680	340	<650	325	<750	375	<1380	690	<730	365
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	NE	<280	140	<340	170	<325	163	<375	188	<690	345	<365	183
Carbon Tetrachloride				6,000	60,000	4,900	10,000	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
Chlorobenzene				6,000	60,000	1,600,000	2,000,000	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
Chloroethane				6,000	60,000	49,000	NE	<112	56	<136	68	<130	65	<150	75	<276	138	<146	73
Chloroform				6,000	60,000	100,000	120,000	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
Chloromethane				30,000	300,000	49,000	NE	<112	56	<136	68	<130	65	<150	75	<276	138	<146	73
Dibromochloromethane				NE	NE	7,600	NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
1,1-Dichloroethane	800	125	300	6,000	60,000	7,800,000	NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	10,000	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
1,1-Dichloroethene				6,000	60,000	1,100	14,000	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
1,2-Dichlorobenzene				6,000	60,000	7,800,000	NE	230	230	<68	34	<65	33	<75	38	870	870	210	210
1,2,4-Trimethylbenzene				NE	NE	NE	NE	<56	28	<68	34	<65	33	<75	38	400	400	99	99
cis-1,2-Dichloroethene				NE	NE	780,000	NE	1,900	1,900	380	360	1,400	1,400	500	500	<138	69	2,200	2,200
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	NE	72	72	<68	34	<65	33	<75	38	<138	69	<73	37
1,2-Dichloropropane				18,000	180,000	9,400	NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
1,3,5-Trimethylbenzene				NE	NE	NE	NE	<56	28	<68	34	<65	33	<75	38	250	250	<73	37
cis-1,3-Dichloropropene				18,000	180,000	NE	NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
trans-1,3-Dichloropropene				18,000	180,000	NE	NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	NE	<56	28	<68	34	<65	33	<75	38	380	380	100	100
2-Hexanone				NE	NE	NE	NE	<560	280	<680	340	<650	325	<750	375	<1380	690	<730	365
Isopropylbenzene				NE	NE	3,100,000	NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
Methylene Chloride	420	158	210	30,000	300,000	85,000	NE	<70	35	<68	34	<65	33	<100	50	<310	155	<100	50
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	NE	<560	280	<680	340	<650	325	<750	375	<1380	690	<730	365
Naphthalene				5,600	56,000	310,000	NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
n-Butylbenzene				NE	NE	5,000	NE	<56	28	<68	34	<65	33	<75	38	140	140	<73	37
n-Propylbenzene				NE	NE	NE	NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
p-Isopropyltoluene				NE	NE	NE	NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
sec-Butylbenzene				NE	NE	5,000	NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
Styrene				NE	NE	21,000	NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
tert-Butylbenzene				NE	NE		NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
Tetrachloroethene				6,000	60,000	12,000	14,000	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
1,1,2-Trichloroethane				6,000	60,000	11,000	NE	<56	28	<68	34	<65	33	<75	38	<138	69	<73	37
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	10,000	1,200	1,200	190	190	1,300	1,300	790	790	16,700	16,700	3,700	3,700
Vinyl Chloride	456	171	228	6,000	60,000	340 *	4,000 *	110	110	<68	34	<65	33	<75	38	<138	69	<73	37
o-Xylene	4800	1800	2400	30,000	300,000	160,000,000	NE	66	66	<68	34	<65	33	<75	38	320	320	170	170
m&p-xylene						160,000,000	NE	110	110	<136	68	<130	65	<150	75	1,700	1,700	170	170
Total VOCs	10,000			NE	NE	NE	NE		6,243		3,848		5,853		4,940		27,056		9,984
TCLP Vinyl Chloride (ug/l)	200 ug/l							NA		NA		NA		NA		NA		NA	
TCLP Trichloroethene (ug/l)	500 ug/l							NA		NA		NA		NA		NA		NA	
Disposal option								**Modern Landfill**		**Approved by NYSDEC to be used as backfill in Area C**		**Modern Landfill**		**Approved by NYSDEC to be used as backfill in Area C**		**Modern Landfill**		**Modern Landfill**	

Notes:
Bold: Analyte detected was above the given action level.
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained In" Action Level
Yellow shaded: Analyte above RCRA TCLP x 20
NE = No Standard Established
NA = Not Analyzed
J = Estimated Value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL
* Vinyl chloride is a daughter product and the Contained-In threshold does not apply. It will only be necessary to ensure that concentrations of vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

Prepared by: JK
Date: 9/9/03
Checked by: DT, CV, JK
Date: 9/9/03

SCIENTECH, Inc.

Table 5
Stockpile Test Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM contained-in Action Levels	RCRA TCLP X 20	NH-51	PID 200	NH-52	PID 70	NH-53	PID 2.0	NH-54	PID 11.1	NH-55	PID 99.6	NH55-a	PID 145
Lab Sample Number:	Fill	Clay	Sandy Silt					AD83923		AD83924		AD86025		AD86026		AD86381		SA01791-06	NH-55 re-sampled TCLP for Vinyl chloride
Date Sampled:				ug/kg	ug/kg	ug/kg	ug/l	5/6/2003		5/6/2003		5/14/2003		5/14/2003		5/15/2003		9/3/2003	
Soil Type								Mixed		Mixed		Mixed		Mixed		Mixed		Mixed	
Volatile Organic Compounds (ug/kg)																			
Acetone				160,000	1,600,000	7,800,000	NE	<2960	1,480	<2720	1,360	<1180	590	<1540	770	<6500	3,250	NA	NA
Benzene	232	87	116	10,000	100,000	22,000	10,000	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
Bromodichloromethane				15,000	150,000	10,000	NE	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
Bromoform				NE	NE	81,000	NE	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
Bromomethane				15,000	150,000	110,000	NE	<296	148	<272	136	<118	59	<154	77	<650	325	NA	NA
2-Butanone (MEK)				36,000	360,000	47,000,000	4,000,000	<1480	740	<1360	680	<589	295	<769	385	<3250	1,625	NA	NA
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	NE	<740	370	<680	340	<294	147	<384	192	<1630	815	NA	NA
Carbon Tetrachloride				6,000	60,000	4,900	10,000	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
Chlorobenzene				6,000	60,000	1,600,000	2,000,000	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
Chloroethane				6,000	60,000	49,000	NE	<296	148	<272	136	<118	59	<154	77	<650	325	NA	NA
Chloroform				6,000	60,000	100,000	120,000	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
Chloromethane				30,000	300,000	49,000	NE	<296	148	<272	136	<118	59	<154	77	<650	325	NA	NA
Dibromochloromethane				NE	NE	7,600	NE	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
1,1-Dichloroethane	600	225	300	6,000	60,000	7,800,000	NE	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	10,000	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
1,1-Dichloroethene				6,000	60,000	1,100	14,000	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
1,2-Dichlorobenzene				6,000	60,000	7,800,000	NE	<148	74	250	250	<58.9	29	<76.9	38	<325	163	NA	NA
1,2,4-Trimethylbenzene				NE	NE	NE	NE	190	190	<136	68	<58.9	29	<76.9	38	4,300	4,300	NA	NA
cis-1,2-Dichloroethene				NE	NE	780,000	NE	4,400	4,400	2,500	2,500	560	560	480	480	7,400	7,400	NA	NA
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	NE	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
1,2-Dichloropropane				18,000	180,000	9,400	NE	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
1,3,5-Trimethylbenzene				NE	NE	NE	NE	<148	74	<136	68	<58.9	29	<76.9	38	2,400	2,400	NA	NA
cis-1,3-Dichloropropene				18,000	180,000	NE	NE	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
trans-1,3-Dichloropropene				18,000	180,000	NE	NE	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	NE	220	220	<136	68	<58.9	29	<76.9	38	4,700	4,700	NA	NA
2-Hexanone				NE	NE	NE	NE	<1480	740	<1360	680	<589	295	<769	385	<3250	1,625	NA	NA
Isopropylbenzene				NE	NE	3,100,000	NE	<148	74	<136	68	<58.9	29	<76.9	38	370	370	NA	NA
Methylene Chloride	420	158	210	30,000	300,000	85,000	NE	<160	80	<180	90	<260	130	<325	163	<1630	815	NA	NA
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	NE	<1480	740	<1360	680	<589	295	<769	385	<3250	1,625	NA	NA
Naphthalene				5,600	56,000	310,000	NE	<148	74	<136	68	<58.9	29	<76.9	38	10,900	10,900	NA	NA
n-Butylbenzene				NE	NE	5,000	NE	<148	74	<136	68	<58.9	29	<76.9	38	660	660	NA	NA
n-Propylbenzene				NE	NE	NE	NE	<148	74	<136	68	<58.9	29	<76.9	38	510	510	NA	NA
p-Isopropyltoluene				NE	NE	NE	NE	<148	74	<136	68	<58.9	29	<76.9	38	400	400	NA	NA
sec-Butylbenzene				NE	NE	5,000	NE	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
Styrene				NE	NE	21,000	NE	<148	74	<136	68	<58.9	29	<90	45	<325	163	NA	NA
tert-Butylbenzene				NE	NE		NE	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	NE	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
Tetrachloroethene				6,000	60,000	12,000	14,000	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	NE	<148	74	<136	68	<58.9	29	<76.9	38	1,200	1,200	NA	NA
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	NE	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
1,1,2-Trichloroethane				6,000	60,000	11,000	NE	<148	74	<136	68	<58.9	29	<76.9	38	<325	163	NA	NA
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	10,000	**19,000**	19,000	**9,100**	9,100	**1,800**	1,800	**1,300**	1,300	**1,700**	1,700	NA	NA
Vinyl Chloride	456	171	228	6,000	60,000	340 *	4,000 *	<148	74	<136	68	<58.9	29	<76.9	38	**6,700**	6,700	NA	NA
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	NE	440	440	310	310	<58.9	29	<76.9	38	**12,800**	12,800	NA	NA
m&p-xylene						160,000,000	NE	900	900	370	370	<118	59	<154	77	**33,900**	33,900	NA	NA
Total VOCs	10,000			NE	NE	NE	NE		31,964		18,876		5,318		5,641		102,245		
TCLP Vinyl Chloride (ug/l)	200 ug/l							NA		NA		NA		NA		NA		<5.0	
TCLP Trichloroethene (ug/l)	500 ug/l							NA		NA		NA		NA		NA		NA	
Disposal option								**Modern Landfill**		**Modern Landfill**		**Modern Landfill**		**Modern Landfill**		**Re-sampled on 9/3/03**		**Modern Landfill**	

Notes:
Bold: Analyte detected was above the given action level
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained-In" Action Level
Yellow shaded: Analyte above RCRA TCLP x 20
NE = No Standard Established
NA = Not Analyzed
J = Estimated value; < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL
* Vinyl chloride is a daughter product and the contained-in threshold does not apply. It will only be necessary to ensure that concentrations of vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb)

Prepared by: JK
Date: 9/9/03
Checked by: DT, CV, JK
Date: 9/9/03

SCIENTECH, Inc.

Table 5

Stockpile Test Results

LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-in-Action Levels	RCRA TCLP X 20	NH-56	PID 57.5	NH-57	PID 32.7	NH-58	PID 58.1	NH-59	PID 532	NH-60	PID 138	NH-61	PID 221
Lab Sample Number:	Fill	Clay	Sandy Silt					AD86382		AD86383		AD86784		AD86785		AD86786		AD87108	
Date Sampled:				ug/kg	ug/kg	ug/kg	ug/l	5/15/2003		5/15/2003		5/16/2003		5/16/2003		5/16/2003		5/19/2003	
Soil Type								Mixed		Mixed		Mixed		Mixed		Mixed		Mixed	
Volatile Organic Compounds (ug/kg)																			
Acetone				160,000	1,600,000	7,800,000	NE	<1650	825	<1340	670	<1230	615	<3320	1,660	<1310	655	<1330	665
Benzene	232	87	116	10,000	100,000	22,000	10,000	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
Bromodichloromethane				15,000	150,000	10,000	NE	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
Bromoform				NE	NE	81,000	NE	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
Bromomethane				15,000	150,000	110,000	NE	<165	83	<134	67	<123	62	<332	166	<131	66	<133	67
2-Butanone (MEK)				36,000	360,000	47,000,000	4,000,000	<823	412	<670	335	<615	308	<1660	830	<655	328	<665	333
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	NE	<412	206	<335	168	<308	154	<830	415	<328	164	<332	166
Carbon Tetrachloride				6,000	60,000	4,900	10,000	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
Chlorobenzene				6,000	60,000	1,600,000	2,000,000	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
Chloroethane				6,000	60,000	49,000	NE	<165	83	<134	67	<123	62	<332	166	<131	66	<133	67
Chloroform				6,000	60,000	100,000	120,000	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
Chloromethane				30,000	300,000	49,000	NE	<165	83	<134	67	<123	62	<332	166	<131	66	<133	67
Dibromochloromethane				NE	NE	7,600	NE	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
1,1-Dichloroethane	600	225	300	6,000	60,000	7,800,000	NE	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	10,000	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
1,1-Dichloroethene				6,000	60,000	1,100	14,000	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
1,2-Dichlorobenzene				6,000	60,000	7,800,000	NE	<82.3	41	<67	34	<61.5	31	210	210	77	77	<66.5	33
1,2,4-Trimethylbenzene				NE	NE	NE	NE	180	180	94	94	190	190	500	500	140	140	370	370
cis-1,2-Dichloroethene				NE	NE	780,000	NE	2,400	2,400	950	950	2,300	2,300	4,000	4,000	1,700	1,700	4,800	4,800
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	NE	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	97	97
1,2-Dichloropropane				18,000	180,000	9,400	NE	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
1,3,5-Trimethylbenzene				NE	NE	NE	NE	95	95	<67	34	170	170	260	260	71	71	350	350
cis-1,3-Dichloropropene				18,000	180,000	NE	NE	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
trans-1,3-Dichloropropene				18,000	180,000	NE	NE	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	NE	450	450	320	320	360	360	440	440	150	150	640	640
2-Hexanone				NE	NE	NE	NE	<823	412	<670	335	<615	308	<1660	830	<655	328	<665	333
Isopropylbenzene				NE	NE	3,100,000	NE	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
Methylene Chloride	420	158	210	30,000	300,000	85,000	NE	<412	206	<335	168	<308	154	<830	415	<328	164	<380	190
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	NE	<823	412	<670	335	<615	308	<1660	830	<655	328	<665	333
Naphthalene				5,600	56,000	310,000	NE	140	140	<67	34	160	160	<166	83	<65.5	33	240	240
n-Butylbenzene				NE	NE	5,000	NE	<82.3	41	<67	34	88	88	<166	83	<65.5	33	160	160
n-Propylbenzene				NE	NE	NE	NE	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
p-Isopropyltoluene				NE	NE	NE	NE	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	68	68
sec-Butylbenzene				NE	NE	5,000	NE	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
Styrene				NE	NE	21,000	NE	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
tert-Butylbenzene				NE	NE		NE	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	NE	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
Tetrachloroethene				6,000	60,000	12,000	14,000	<82.3	41	<67	34	<61.5	31	170	170	<65.5	33	<66.5	33
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	NE	110	110	72	72	86	86	<166	83	<65.5	33	140	140
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	NE	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
1,1,2-Trichloroethane				6,000	60,000	11,000	NE	<82.3	41	<67	34	<61.5	31	<166	83	<65.5	33	<66.5	33
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	10,000	1,700	1,700	830	830	870	870	16,500	16,500	2,000	2,000	580	580
Vinyl Chloride	456	171	228	6,000	60,000	340 *	4,000 *	140	140	<67	34	360	360	<166	83	<65.5	33	330	330
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	NE	1,000	1,000	510	510	1,900	1,900	550	550	170	170	2,800	2,800
m&p-xylene						160,000,000	NE	3,100	3,100	1,200	1,200	1,100	1,100	1,700	1,700	500	500	4,600	4,600
Total VOCs	10,000			NE	NE	NE	NE		13,104		7,159		10,383		32,049		7,887		18,158
TCLP Vinyl Chloride (ug/l)	200 ug/l							NA		NA		NA		NA		NA		NA	
TCLP Trichloroethene (ug/l)	500 ug/l							NA		NA		NA		NA		NA		NA	
Disposal option								Modern Landfill		Approved by NYSDEC to be used as backfill in Area C		Modern Landfill		Modern Landfill		Modern Landfill		Modern Landfill	

Notes:

Bold: Analyte detected was above the given action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

Yellow shaded: Analyte above RCRA TCLP x 20

NE = No Standard Established

NA = Not Analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

* Vinyl chloride is a daughter product and the Contained-In threshold does not apply, it will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

Prepared by: JK
Date: 9/9/03
Checked by: DT, CV, JK
Date: 9/9/03

SCIENTECH, Inc.

Table 5
Stockpile Test Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-in-Action Levels	RCRA TCLP X 20	NH-62	PID 296	NH-63	PID 319	NH-64	PID 219	NH-65	PID 230	NH-66	PID 10.1	NH-67	PID 154
Lab Sample Number:	Fill	Clay	Sandy Silt					AD87109		AD87110		AD87438		AD87439		AD87781		AD88129	
Date Sampled:				ug/kg	ug/kg	ug/kg	ug/l	5/19/2003		5/19/2003		5/20/2003		5/20/2003		5/21/2003		5/22/2003	
Soil Type								Mixed		Mixed		Mixed		Mixed		Mixed		Mixed	
Volatile Organic Compounds (ug/kg)																			
Acetone				160,000	1,600,000	7,800,000	NE	<3080	1,540	<2740	1,370	<800	400	<920	460	<780	390	<1310	655
Benzene	232	87	116	10,000	100,000	22,000	10,000	<154	77	200	200	<40	20	<46	23	<39	20	<65.3	33
Bromodichloromethane				15,000	150,000	10,000	NE	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
Bromoform				NE	NE	81,000	NE	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
Bromomethane				15,000	150,000	110,000	NE	<308	154	<274	137	<80	40	<92	46	<78	39	<131	66
2-Butanone (MEK)				36,000	360,000	47,000,000	4,000,000	<1540	770	<1370	685	<400	200	<460	230	<390	195	<653	327
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	NE	<770	385	<685	343	<200	100	<230	115	<195	98	<326	163
Carbon Tetrachloride				6,000	60,000	4,900	10,000	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
Chlorobenzene				6,000	60,000	1,600,000	2,000,000	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
Chloroethane				6,000	60,000	49,000	NE	<308	154	<274	137	<80	40	<92	46	<78	39	<131	66
Chloroform				6,000	60,000	100,000	120,000	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
Chloromethane				30,000	300,000	49,000	NE	<308	154	<274	137	<80	40	<92	46	<78	39	<131	66
Dibromochloromethane				NE	NE	7,600	NE	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
1,1-Dichloroethane	190	225	300	6,000	60,000	7,800,000	NE	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	10,000	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
1,1-Dichloroethene				6,000	60,000	1,100	14,000	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
1,2-Dichlorobenzene				6,000	60,000	7,800,000	NE	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
1,2,4-Trimethylbenzene				NE	NE	NE	NE	300	300	330	330	130	130	280	280	<39	20	590	590
cis-1,2-Dichloroethene				NE	NE	780,000	NE	14,800	14,800	14,300	14,300	4,700	4,700	6,300	6,300	1,200	1,200	7,500	7,500
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	NE	160	160	280	280	58	58	69	69	<39	20	73	73
1,2-Dichloropropane				18,000	180,000	9,400	NE	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
1,3,5-Trimethylbenzene				NE	NE	NE	NE	190	190	190	190	81	81	190	190	<39	20	370	370
cis-1,3-Dichloropropene				18,000	180,000	NE	NE	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
trans-1,3-Dichloropropene				18,000	180,000	NE	NE	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	NE	960	960	1,500	1,500	450	450	630	630	<39	20	720	720
2-Hexanone				NE	NE	NE	NE	<1540	770	<1370	685	<400	200	<460	230	<390	195	<653	327
Isopropylbenzene				NE	NE	3,100,000	NE	<154	77	<137	69	<40	20	48	48	<39	20	<65.3	33
Methylene Chloride	420	158	210	30,000	300,000	85,000	NE	<1000	500	<800	400	<200	100	<230	115	<195	98	<326	163
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	NE	<1540	770	<1370	685	<400	200	<460	230	<390	195	<653	327
Naphthalene				5,600	56,000	310,000	NE	170	170	240	240	44	44	78	78	<39	20	270	270
n-Butylbenzene				NE	NE	5,000	NE	<154	77	<137	69	<40	20	67	67	<39	20	<65.3	33
n-Propylbenzene				NE	NE	NE	NE	<154	77	<137	69	<40	20	<46	23	<39	20	78	78
p-Isopropyltoluene				NE	NE	NE	NE	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
sec-Butylbenzene				NE	NE	5,000	NE	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
Styrene				NE	NE	21,000	NE	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
tert-Butylbenzene				NE	NE		NE	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	NE	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
Tetrachloroethene				6,000	60,000	12,000	14,000	<154	77	<137	69	48	48	<46	23	<39	20	500	500
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	NE	300	300	800	800	130	130	150	150	<39	20	216	216
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	NE	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
1,1,2-Trichloroethane				6,000	60,000	11,000	NE	<154	77	<137	69	<40	20	<46	23	<39	20	<65.3	33
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	10,000	1,200	1,200	330	330	5,100	5,100	1,300	1,300	1,800	1,800	**27,000**	27,000
Vinyl Chloride	456	171	228	6,000	60,000	340 *	4,000 *	450	450	2,200	2,200	<40	20	<46	23	<39	20	<65.3	33
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	NE	2,500	2,500	2,700	2,700	970	970	1,400	1,400	<39	20	2,600	2,600
m&p-xylene						160,000,000	NE	8,800	8,800	9,800	9,800	3,300	3,300	4,300	4,300	<78	39	4,900	4,900
Total VOCs	10,000			NE	NE	NE	NE		36,952		39,093		16,831		16,882		4,970		47,752
TCLP Vinyl Chloride (ug/l)	200 ug/l							NA		NA		NA		NA		NA		NA	
TCLP Trichloroethene (ug/l)	500 ug/l							NA		NA		NA		NA		NA		NA	
Disposal option								Modern Landfill		Modern Landfill		Modern Landfill		Modern Landfill		Modern Landfill		Re-sampled on 9/3/03	

Notes:

Bold: Analyte detected was above the given action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics - Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

Yellow shaded: analyte above RCRA TCLP x 20

NE = No Standard Established

NA = Not Analyzed

J = Estimated value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

* Vinyl chloride is a daughter product and the Contained-in threshold does not apply, it will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

Table 5
Stockpile Test Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-in-Action Levels	RCRA TCLP X 20	NH67-a	PID 114	PL-1	PID 25.4
Lab Sample Number:	Fill	Clay	Sandy Silt					SA01791-07	NH-67 re-sampled for TCLP TCE	SA01791-09	Parking lot scrapings and dewatering tank sediment
Date Sampled:				ug/kg	ug/kg	ug/kg	ug/l	9/3/2003		9/3/2003	
Soil Type								Mixed		Mixed	
Volatile Organic Compounds (ug/kg)											
Acetone				160,000	1,600,000	7,800,000	NE	NA	NA	<1330	665
Benzene	232	87	116	10,000	100,000	22,000	10,000	NA	NA	<66.7	33
Bromodichloromethane				15,000	150,000	10,000	NE	NA	NA	<66.7	33
Bromoform				NE	NE	81,000	NE	NA	NA	<66.7	33
Bromomethane				15,000	150,000	110,000	NE	NA	NA	<133	67
2-Butanone (MEK)				36,000	360,000	47,000,000	4,000,000	NA	NA	<667	334
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	NE	NA	NA	<334	167
Carbon Tetrachloride				6,000	60,000	4,900	10,000	NA	NA	<66.7	33
Chlorobenzene				6,000	60,000	1,600,000	2,000,000	NA	NA	<66.7	33
Chloroethane				6,000	60,000	49,000	NE	NA	NA	<133	67
Chloroform				6,000	60,000	100,000	120,000	NA	NA	<66.7	33
Chloromethane				30,000	300,000	49,000	NE	NA	NA	<133	67
Dibromochloromethane				NE	NE	7,600	NE	NA	NA	<66.7	33
1,1-Dichloroethane	600	225	300	6,000	60,000	7,800,000	NE	NA	NA	<66.7	33
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	10,000	NA	NA	<66.7	33
1,1-Dichloroethene				6,000	60,000	1,100	14,000	NA	NA	<66.7	33
1,2-Dichlorobenzene				6,000	60,000	7,800,000	NE	NA	NA	<66.7	33
1,2,4-Trimethylbenzene				NE	NE	NE	NE	NA	NA	73.4	73.4
cis-1,2-Dichloroethene				NE	NE	780,000	NE	NA	NA	1,450	1,450
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	NE	NA	NA	<66.7	33
1,2-Dichloropropane				18,000	180,000	9,400	NE	NA	NA	<66.7	33
1,3,5-Trimethylbenzene				NE	NE	NE	NE	NA	NA	<66.7	33
cis-1,3-Dichloropropene				18,000	180,000	NE	NE	NA	NA	<66.7	33
trans-1,3-Dichloropropene				18,000	180,000	NE	NE	NA	NA	<66.7	33
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	NE	NA	NA	74.7	74.7
2-Hexanone				NE	NE	NE	NE	NA	NA	<667	334
Isopropylbenzene				NE	NE	3,100,000	NE	NA	NA	<66.7	33
Methylene Chloride	420	158	210	30,000	300,000	85,000	NE	NA	NA	<667	334
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	NE	NA	NA	<667	334
Naphthalene				5,600	56,000	310,000	NE	NA	NA	100	100
n-Butylbenzene				NE	NE	5,000	NE	NA	NA	<66.7	33
n-Propylbenzene				NE	NE	NE	NE	NA	NA	<66.7	33
p-Isopropyltoluene				NE	NE	NE	NE	NA	NA	<66.7	33
sec-Butylbenzene				NE	NE	5,000	NE	NA	NA	<66.7	33
Styrene				NE	NE	21,000	NE	NA	NA	<66.7	33
tert-Butylbenzene				NE	NE		NE	NA	NA	<66.7	33
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	NE	NA	NA	<66.7	33
Tetrachloroethene				6,000	60,000	12,000	14,000	NA	NA	<66.7	33
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	NE	NA	NA	<66.7	33
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	NE	NA	NA	<66.7	33
1,1,2-Trichloroethane				6,000	60,000	11,000	NE	NA	NA	<66.7	33
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	10,000	NA	NA	883	883
Vinyl Chloride	456	171	228	6,000	60,000	340 *	4,000 *	NA	NA	<66.7	33
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	NE	NA	NA	97.4	97.4
m&p-xylene						160,000,000	NE	NA	NA	213	213
Total VOCs	10,000			NE	NE	NE	NE				6,224
TCLP Vinyl Chloride (ug/l)	200 ug/l							NA		TCLP Lead = 877(ug/l)	
TCLP Trichloroethene (ug/l)	500 ug/l							117			
Disposal option								**Modern Landfill**		**Modern Landfill**	

Notes:

Bold. Analyte detected was above the given action level.

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics.: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

Yellow sheded. Analyte above RCRA TCLP x 20

NE = No Standard Established

NA = Not Analyzed

J = Estimated Value < the method detection limit.

B = Analyte was also detected in the method blank

ND concentrations shown at 1/2 MDL

* Vinyl chloride is a daughter product and the Contained-in threshold does not apply, it will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

Prepared by: JK
Date: 9/16/03
Checked by: DT, CV, JK
Date: 12/17/03

SCIENTECH, Inc.

Table 6
Media Pile Test Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-in-Action Levels	RCRA TCLP X 20	SCP 1	PID 208	SCP 2	PID 855	MP 1	PID 126	MP1-a	PID 159	MP 2	PID 230
Lab Sample Number:	Fill	Clay	Sandy Silt					AD70543	Segregate Container Pile #1	AD73577	Segregate Container Pile #2	AD70544	Media Pile #1	SA01791-01	Media Pile 1, re-sampled	AD70544	Media Pile #2
Date Sampled:				ug/kg	ug/kg	ug/kg	ug/l		2/27/03		3/19/03		2/27/03		9/3/03		2/27/03
Soil Type								Mixed		Mixed		Mixed		Mixed		Mixed	
Volatile Organic Compounds (ug/kg)																	
Acetone				160,000	1,600,000	7,800,000	NE	<7380	3,690	<16400	8,200	<3460	1,730	<1580	790	<16800	8,400
Benzene	232	87	116	10,000	100,000	22,000	10,000	<369	185	<821	411	<173	87	<78.9	39	<840	420
Bromodichloromethane				15,000	150,000	10,000	NE	<369	185	<821	411	<173	87	<78.9	39	<840	420
Bromoform				NE	NE	81,000	NE	<369	185	<821	411	<173	87	<78.9	39	<840	420
Bromomethane				15,000	150,000	110,000	NE	<738	369	<1640	820	<346	173	<158	79	<1680	840
2-Butanone (MEK)				36,000	360,000	47,000,000	4,000,000	<3690	1,845	<8210	4,105	<1730	865	<789	395	<8400	4,200
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	NE	<1850	925	<4110	2,055	<865	433	<394	197	<4200	2,100
Carbon Tetrachloride				6,000	60,000	4,900	10,000	<369	185	<821	411	<173	87	<78.9	39	<840	420
Chlorobenzene				6,000	60,000	1,600,000	2,000,000	2,000	2,000	<821	411	<173	87	<78.9	39	<840	420
Chloroethane				6,000	60,000	49,000	NE	<738	369	<1640	820	<346	173	<158	79	<1680	840
Chloroform				6,000	60,000	100,000	120,000	<369	185	<821	411	<173	87	<78.9	39	<840	420
Chloromethane				30,000	300,000	49,000	NE	<738	369	<1840	820	<346	173	<158	79	<1680	840
Dibromochloromethane				NE	NE	7,600	NE	<369	185	<821	411	<173	87	<78.9	39	<840	420
1,1-Dichloroethane	600	225	300	6,000	60,000	7,800,000	NE	<369	185	<821	411	<173	87	<78.9	39	<840	420
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	10,000	<369	185	<821	411	<173	87	<78.9	39	<840	420
1,1-Dichloroethene				6,000	60,000	1,100	14,000	<369	185	<821	411	<173	87	<78.9	39	<840	420
1,2-Dichlorobenzene				6,000	60,000	7,800,000	NE	3,800	3,800	1,700	1,700	<173	87	<78.9	39	<840	420
1,4-Dichlorobenzene							150,000	1,800	1,800	<821	411	<173	87	<78.9	39	<840	420
1,2,4-Trimethylbenzene				NE	NE	NE	NE	4,800	4,800	5,400	5,400	1,900	1,900	561	561	11,200	11,200
cis-1,2-Dichloroethene				NE	NE	780,000	NE	79,900	79,900	125,500	125,500	36,100	36,100	53,000	53,000	169,800	169,800
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	NE	1,100	1,100	1,300	1,300	380	380	486	486	1,600	1,600
1,2-Dichloropropane				18,000	180,000	9,400	NE	<369	185	<821	411	<173	87	<78.9	39	<840	420
1,3,5-Trimethylbenzene				NE	NE	NE	NE	3,100	3,100	4,500	4,500	2,500	2,500	1,070	1,070	9,500	9,500
cis-1,3-Dichloropropene				18,000	180,000	NE	NE	<369	185	<821	411	<173	87	<78.9	39	<840	420
trans-1,3-Dichloropropene				18,000	180,000	NE	NE	<369	185	<821	411	<173	87	<78.9	39	<840	420
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	NE	5,600	5,600	**9,600**	9,600	4,000	4,000	1,400	1,400	**9,300**	9,300
2-Hexanone				NE	NE	NE	NE	<3,690	1,845	<8210	4,105	<1730	865	<789	395	<8400	4,200
Isopropylbenzene				NE	NE	3,100,000	NE	1,000	1,000	1,000	1,000	680	680	278	278	1,200	1,200
Methylene Chloride	420	158	210	30,000	300,000	85,000	NE	<369	185	<821	411	<173	87	<789	395	<840	420
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	NE	<3690	1,845	<8210	4,105	<1730	865	<789	395	<8400	4,200
Naphthalene				5,600	56,000	310,000	NE	3,000	3,000	3,100	3,100	2,000	2,000	809	809	5,500	5,500
n-Butylbenzene				NE	NE	5,000	NE	<369	185	1,300	1,300	470	470	207	207	940	940
n-Propylbenzene				NE	NE	NE	NE	780	780	1,000	1,000	520	520	196	196	1,700	1,700
p-Isopropyltoluene				NE	NE	NE	NE	<369	185	970	970	650	650	320	320	940	940
sec-Butylbenzene				NE	NE	5,000	NE	<369	185	<821	411	240	240	99.4	99.4	<840	420
Styrene				NE	NE	21,000	NE	<369	185	<821	411	<173	87	<78.9	39	960	960
tert-Butylbenzene				NE	NE		NE	<369	185	<821	411	<173	87	<78.9	39	<840	420
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	NE	<369	185	<821	411	<173	87	<78.9	39	<840	420
Tetrachloroethene				6,000	60,000	12,000	14,000	<369	185	640	640	<173	87	<78.9	39	<840	420
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	NE	3,300	3,300	6,300	6,300	1,800	1,800	701	701	6,000	6,000
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	NE	<369	185	<821	411	<173	87	<78.9	39	<840	420
1,1,2-Trichloroethane				6,000	60,000	11,000	NE	<369	185	<821	411	<173	87	<78.9	39	<840	420
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	10,000	***174,800***	174,800	***411,300***	411,300	**63,800**	63,800	1,220	1,220	**256,900**	256,900
Vinyl Chloride	456	171	228	6,000	60,000	340 *	4,000 *	**2,800**	2,800	**1,400**	1,400	**850**	850	**1,220**	1,220	**3,700**	3,700
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	NE	**24,500**	24,500	**32,900**	32,900	**16,700**	16,700	**6,080**	6,080	**48,600**	48,600
m&p-xylene						160,000,000	NE	**42,500**	42,500	**48,100**	48,100	**15,400**	15,400	**5,310**	5,310	**58,100**	58,100
Total VOCs	10,000			NE	NE	NE	NE		370,096		689,861		155,170		76,588		620,800
TCLP Vinyl Chloride (ug/l)	200 ug/l							NA		NA		NA		NA		NA	
TCLP Trichloroethene (ug/l)	500 ug/l							NA		NA		NA		NA		NA	
TCLP Lead (ug/l)	5000 ug/l							4220		**11,600**		4420		NA		**6210**	
Barium	100,000 ug/l							14600		22,900		6250		NA		16200	
Cadmium	500 ug/l							18.1		29.1		<26.4		NA		<34.4	
Disposal option								**Sarnia Landfill**		**Sarnia Landfill**		**Re-sampled on 9/3/03**		**Modern Landfill**		**CWM Landfill**	

Notes:

Bold: Analyte detected was above the given action level.

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

* Vinyl chloride is a daughter product and the Contained-in threshold does not apply, it will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

Prepared by: JK
Date: 9/16/03
Checked by: DT, CV, JK
Date: 12/17/03

SCIENTECH, Inc.

Table 6

Media Pile Test Results

LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-In-Action Levels	RCRA TCLP X 20	MP 3	PID 384	MP 4	PID 1050	MP 5	PID 367	MP 6	PID 465	MP 7	PID 654
Lab Sample Number:	Fill	Clay	Sandy Silt					AD70544	Media Pile #3	AD70544	Media Pile #4	AD70544	Media Pile #5	AD70544	Media Pile #6	AD70544	Media Pile #7
Date Sampled:				ug/kg	ug/kg	ug/kg	ug/l		2/27/03		2/27/03		2/27/03		3/3/03		3/3/03
Soil Type:								Mixed		Mixed		Mixed		Mixed		Mixed	
Volatile Organic Compounds (ug/kg)																	
Acetone				160,000	1,600,000	7,800,000	NE	<17300	8,650	<30700	15,350	<15300	7,650	<15900	7,950	<17400	8,700
Benzene	232	87	116	10,000	100,000	22,000	10,000	<866	433	<1540	770	<763	382	<797	399	<870	435
Bromodichloromethane				15,000	150,000	10,000	NE	<866	433	<1540	770	<763	382	<797	399	<870	435
Bromoform				NE	NE	81,000	NE	<866	433	<1540	770	<763	382	<797	399	<870	435
Bromomethane				15,000	150,000	110,000	NE	<1730	865	<3070	1,535	<1530	765	<1590	795	<1740	870
2-Butanone (MEK)				36,000	360,000	47,000,000	4,000,000	<8660	4,330	<15400	7,700	<7630	3,815	<7970	3,985	<8700	4,350
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	NE	<4330	2,165	<7680	3,840	<3820	1,910	<3990	1,995	<4350	2,175
Carbon Tetrachloride				6,000	60,000	4,900	10,000	<866	433	<1540	770	<763	382	<797	399	<870	435
Chlorobenzene				6,000	60,000	1,600,000	2,000,000	12,900	12,900	4,400	4,400	2,300	2,300	960	960	<870	435
Chloroethane				6,000	60,000	49,000	NE	<1730	865	<3070	1,535	<1530	765	<1590	795	<1740	870
Chloroform				6,000	60,000	100,000	120,000	<866	433	<1540	770	<763	382	<797	399	<870	435
Chloromethane				30,000	300,000	49,000	NE	<1730	865	<3070	1,535	<1530	765	<1590	795	<1740	870
Dibromochloromethane				NE	NE	7,600	NE	<866	433	<1540	770	<763	382	<797	399	<870	435
1,1-Dichloroethane	600	225	300	6,000	60,000	7,800,000	NE	<866	433	<1540	770	<763	382	<797	399	<870	435
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	10,000	<866	433	<1540	770	<763	382	<797	399	<870	435
1,1-Dichloroethene				6,000	60,000	1,100	14,000	<866	433	<1540	770	<763	382	<797	399	<870	435
1,2-Dichlorobenzene				6,000	60,000	7,800,000	NE	13,900	13,900	8,500	8,500	5,800	5,800	3,300	3,300	<870	435
1,4-Dichlorobenzene							150,000	9,500	9,500	3,900	3,900	2,400	2,400	1,200	1,200	<870	435
1,2,4-Trimethylbenzene				NE	NE	NE	NE	2,300	2,300	4,500	4,500	2,800	2,800	5,000	5,000	8,800	8,800
cis-1,2-Dichloroethene				NE	NE	780,000	NE	100,000	100,000	131,100	131,100	82,000	82,000	140,500	140,500	171,400	171,400
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	NE	800	800	<1540	770	1,400	1,400	2,200	2,200	1,300	1,300
1,2-Dichloropropane				18,000	180,000	9,400	NE	<866	433	<1540	770	<763	382	<797	399	<870	435
1,3,5-Trimethylbenzene				NE	NE	NE	NE	2,100	2,100	2,800	2,800	2,100	2,100	3,700	3,700	5,700	5,700
cis-1,3-Dichloropropene				18,000	180,000	NE	NE	<866	433	<1540	770	<763	382	<797	399	<870	435
trans-1,3-Dichloropropene				18,000	180,000	NE	NE	<866	433	<1540	770	<763	382	<797	399	<870	435
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	NE	4,400	4,400	7,100	7,100	3,800	3,800	6,600	6,600	13,200	13,200
2-Hexanone				NE	NE	NE	NE	<8660	4,330	<15400	7,700	<7630	3,815	<7970	3,985	<8700	4,350
Isopropylbenzene				NE	NE	3,100,000	NE	790	790	<1540	770	<763	382	990	990	1,100	1,100
Methylene Chloride	420	158	210	30,000	300,000	85,000	NE	<866	433	<1540	770	<763	382	<810	405	<870	435
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	NE	<8660	4,330	<15400	7,700	<7630	3,815	<7970	3,985	<8700	4,350
Naphthalene				5,600	56,000	310,000	NE	1,900	1,900	2,400	2,400	1,400	1,400	2,200	2,200	3,300	3,300
n-Butylbenzene				NE	NE	5,000	NE	<866	433	<1540	770	<763	382	1,400	1,400	1,900	1,900
n-Propylbenzene				NE	NE	NE	NE	470	470	<1540	770	<763	382	830	830	1,300	1,300
p-Isopropyltoluene				NE	NE	NE	NE	650	650	<1540	770	780	780	1,100	1,100	1,500	1,500
sec-Butylbenzene				NE	NE	5,000	NE	<866	433	<1540	770	<763	382	<797	399	<870	435
Styrene				NE	NE	21,000	NE	<866	433	<1540	770	<763	382	<797	399	<870	435
tert-Butylbenzene				NE	NE		NE	<866	433	<1540	770	<763	382	<797	399	<870	435
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	NE	<866	433	<1540	770	<763	382	<797	399	<870	435
Tetrachloroethene				6,000	60,000	12,000	14,000	<866	433	<1540	770	<763	382	<797	399	2,100	2,100
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	NE	4,100	4,100	5,400	5,400	2,400	2,400	4,200	4,200	9,900	9,900
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	NE	<866	433	<1540	770	<763	382	<797	399	<870	435
1,1,2-Trichloroethane				6,000	60,000	11,000	NE	<866	433	<1540	770	<763	382	<797	399	<870	435
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	10,000	**113,400**	113,400	**389,700**	389,700	<763	382	**271,400**	271,400	**789,100**	789,100
Vinyl Chloride	456	171	228	6,000	60,000	340 *	4,000 *	**870**	870	**3,600**	3,600	**3,000**	3,000	**6,400**	6,400	**2,400**	2,400
o-xylene	4800	1600	2400	30,000	300,000	160,000,000	NE	**18,000**	18,000	**24,800**	24,800	**14,600**	14,600	**24,300**	24,300	**38,000**	38,000
m&p-xylene						160,000,000	NE	**24,600**	24,600	**52,000**	52,000	**24,200**	24,200	**41,700**	41,700	**76,000**	76,000
Total VOCs		10,000		NE	NE	NE	NE		346,173		706,345		181,436		550,242		1,163,105
TCLP Vinyl Chloride (ug/l)		200 ug/l						NA		NA		NA		NA		NA	
TCLP Trichloroethene (ug/l)		500 ug/l						NA		NA		NA		NA		NA	
TCLP Lead (ug/l)		5000 ug/l						12900		3730		3140		5880		3710	
Barium		100,000 ug/l						9390		14700		12400		20100		12700	
Cadmium		500 ug/l						<43.1		<17.3		14.4		23.9		16.5	
Disposal option								**CWM Landfill**		**Sarnia landfill**		**CWM Landfill**		**CWM Landfill**		**Sarnia Landfill**	

Notes:

Bold: Analyte detected was above the given action level.

Bold and Boxed. Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

J = Estimated Value < the method detection limit.

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

* Vinyl chloride is a daughter product and the Contained-In threshold does not apply. It will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic will be threshold of 4,000 ppb (20 X 200 ppb).

Prepared by: JK
Date: 9/16/03
Checked by: DT, CV, JK
Date: 12/17/03

Table 6
Media Pile Test Results
LEICA Inc.

SCIENTECH, Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-in-Action Levels	RCRA TCLP X 20	MP 8	PID 343	MP 9	PID 74.3	MP 9b	PID 45.6	MP 10	PID 14.0
Lab Sample Number:	Fill	Clay	Sandy Silt					AD70544	Media Pile #8	AD71134	Media Pile #9	AD73579	Media Pile #9	AD71135	Media Pile #10
Date Sampled:				ug/kg	*ug/kg*	ug/kg	ug/l		3/3/03		3/4/03		3/19/03		3/4/03
Soil Type								Mixed		Mixed		Mixed		Mixed	
Volatile Organic Compounds (ug/kg)															
Acetone				160,000	*1,600,000*	7,800,000	NE	16,100	16,100	<1460	730	<1420	710	<1360	680
Benzene	232	87	116	10,000	*100,000*	22,000	10,000	<803	402	<73.0	37	<71.0	36	<68.0	34
Bromodichloromethane				15,000	*150,000*	10,000	NE	<803	402	<73.0	37	<71.0	36	<68.0	34
Bromoform				NE	*NE*	81,000	NE	<803	402	<73.0	37	<71.0	36	<68.0	34
Bromomethane				15,000	*150,000*	110,000	NE	<1610	805	<146	73	<142	71	<136	68
2-Butanone (MEK)				36,000	*360,000*	47,000,000	4,000,000	<8030	4,015	<730	365	<710	355	<680	340
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	NE	<4020	2,010	<365	183	<355	178	<340	170
Carbon Tetrachloride				6,000	*60,000*	4,900	10,000	<803	402	<73.0	37	<71.0	36	<68.0	34
Chlorobenzene				6,000	*60,000*	1,600,000	2,000,000	<803	402	180	180	240	240	96	96
Chloroethane				6,000	*60,000*	49,000	NE	<1610	805	<146	73	<142	71	<136	68
Chloroform				6,000	*60,000*	100,000	120,000	<803	402	<73.0	37	<71.0	36	<68.0	34
Chloromethane				30,000	*300,000*	49,000	NE	<1610	805	<146	73	<142	71	<136	68
Dibromochloromethane				NE	*NE*	7,600	NE	<803	402	<73.0	37	<71.0	36	<68.0	34
1,1-Dichloroethane	600	225	300	6,000	*60,000*	7,800,000	NE	<803	402	<73.0	37	<71.0	36	<68.0	34
1,2-Dichloroethane	280	105	140	6,000	*60,000*	7,000	10,000	<803	402	<73.0	37	<71.0	36	<68.0	34
1,1-Dichloroethene				6,000	*60,000*	1,100	14,000	<803	402	<73.0	37	<71.0	36	<68.0	34
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	NE	<803	402	4,200	4,200	2,200	2,200	2,900	2,900
1,4-Dichlorobenzene							150,000	<803	402	910	910	540	540	660	660
1,2,4-Trimethylbenzene				NE	*NE*	NE	NE	3,500	3,500	880	880	150	150	170	170
cis-1,2-Dichloroethene				NE	*NE*	780,000	NE	106,900	106,900	23,000	23,000	4,300	4,300	4,600	4,600
trans-1,2-Dichloroethene				30,000	*300,000*	1,800,000	NE	820	820	350	350	<71.0	36	<68.0	34
1,2-Dichloropropane				18,000	*180,000*	9,400	NE	<803	402	<73.0	37	<71.0	36	<68.0	34
1,3,5-Trimethylbenzene				NE	*NE*	NE	NE	3,100	3,100	850	850	240	240	200	200
cis-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<803	402	<73.0	37	<71.0	36	<68.0	34
trans-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<803	402	<73.0	37	<71.0	36	<68.0	34
Ethylbenzene	22,000	8,250	11,000	10,000	*100,000*	7,800,000	NE	6,500	6,500	1,200	1,200	360	360	290	290
2-Hexanone				NE	*NE*	NE	NE	<8030	4,015	<730	365	<710	355	<680	340
Isopropylbenzene				NE	*NE*	3,100,000	NE	980	980	180	180	<71.0	36	<68.0	34
Methylene Chloride	420	158	210	30,000	*300,000*	85,000	NE	<803	402	<73.0	37	<71.0	36	<68.0	34
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	NE	<8030	4,015	<730	365	<710	355	<680	340
Naphthalene				5,600	*56,000*	310,000	NE	2,600	2,600	470	470	150	150	100	100
n-Butylbenzene				NE	*NE*	5,000	NE	1,000	1,000	270	270	82	82	78	78
n-Propylbenzene				NE	*NE*	NE	NE	870	870	160	160	<71.0	36	<68.0	34
p-Isopropyltoluene				NE	*NE*	NE	NE	<803	402	280	280	74	74	<68.0	34
sec-Butylbenzene				NE	*NE*	5,000	NE	<803	402	99	99	<71.0	36	<68.0	34
Styrene				NE	*NE*	21,000	NE	<803	402	<73.0	37	<71.0	36	<68.0	34
tert-Butylbenzene				NE	*NE*		NE	<803	402	<73.0	37	<71.0	36	<68.0	34
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	NE	<803	402	<73.0	37	<71.0	36	<68.0	34
Tetrachloroethene				6,000	*60,000*	12,000	14,000	<803	402	190	190	<71.0	36	<68.0	34
Toluene	6,000	2,250	3,000	10,000	*100,000*	16,000,000	NE	5,400	5,400	540	540	110	110	94	94
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	*60,000*	7,000,000	NE	<803	402	<73.0	37	<71.0	36	<68.0	34
1,1,2-Trichloroethane				6,000	*60,000*	11,000	NE	<803	402	<73.0	37	<71.0	36	<68.0	34
Trichloroethene	2,520	945	1,260	6,000	*60,000*	58,000	10,000	**324,800**	324,800	**51,800**	51,800	**12,300**	12,300	**11,000**	11,000
Vinyl Chloride	456	171	228	6,000	*60,000*	340 *	4,000 *	<803	402	**1,600**	1,600	150	150	**330**	330
o-xylene	4800	1800	2400	30,000	*300,000*	160,000,000	NE	**24,200**	24,200	**4,200**	4,200	**1,300**	1,300	**970**	970
m&p-xylene						160,000,000	NE	**28,500**	28,500	**5,100**	5,100	**1,000**	1 000	**950**	950
Total VOCs	10,000			NE	NE	NE	NE		551,778		99,343		26,178		25,328
TCLP Vinyl Chloride (ug/l)	200 ug/l							NA		NA		NA		NA	
TCLP Trichloroethene (ug/l)	500 ug/l							NA		NA		NA		NA	
TCLP Lead (ug/l)	5000 ug/l							**28600**		**7300**		175		83.3	
Barium	100,000 ug/l							29400		7110		3,370		1750	
Cadmium	500 ug/l							74.4		15.1		4.3		4.7	
Disposal option								**CWM Landfill**		**CWM Landfill**		**Modern Landfill**		**Modern Landfill**	

Notes:

Bold: Analyte detected was above the given action level.

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

* Vinyl chloride is a daughter product and the Contained-in threshhold does not apply, it will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

Prepared by: JK
Date: 7/29/03
Checked by: JK, DT CV
Date 7/29/03

SCIENTECH, Inc.

Table 7
Soil Vapor Extraction Treatment
Pile Test Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-In-Action Levels	RCRA TCLP X 20	STP1 2-03		STP2 2-03		STP3 2-03		STP4 2-03		STP5 2-03		Average of the 5 Samples	
Lab Sample Number	Fill	Clay	Sandy Silt					AD70354	Treatment Pile 1	AD70355	Treatment Pile 1	AD70356	Treatment Pile 1	AD70357	Treatment Pile 1	AD70358	Treatment Pile 1		
Date Sampled:				ug/kg	ug/kg	ug/kg	ug/l		2/26/2003		2/26/2003		2/26/2003		2/26/2003		2/26/2003		
Soil Type								Mixed		Mixed		Mixed		Mixed		Mixed			
Volatile Organic Compounds (ug/kg)																			
Acetone				160,000	1,600,000	7,800,000	NE	<1660	830	<1680	840	<1600	800	<30700	15,350	<1620	810	3,726	3,726
Benzene	232	87	118	10,000	100,000	22,000	10,000	<83.0	42	<84.0	42	<80.0	40	<1530	765	<81.0	41	186	186
Bromodichloromethane				15,000	150,000	10,000	NE	<83.0	42	<84.0	42	<80.0	40	<1530	765	<81.0	41	186	186
Bromoform				NE	NE	81,000	NE	<83.0	42	<84.0	42	<80.0	40	<1530	765	<81.0	41	186	186
Bromomethane				15,000	150,000	110,000	NE	<166	83	<168	84	<160	80	<3070	1,535	<162	81	373	373
2-Butanone (MEK)				36,000	360,000	47,000,000	4,000,000	<830	415	<840	420	<800	400	<15300	7,650	<810	405	1,858	1,858
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	NE	<415	208	<420	210	<400	200	<7670	3,835	<405	203	931	931
Carbon Tetrachloride				6,000	60,000	4,900	10,000	<83.0	42	<84.0	42	<80.0	40	<1530	765	<81.0	41	186	186
Chlorobenzene				6,000	60,000	1,600,000	2,000,000	<83.0	42	<84.0	42	<80.0	40	<1530	765	<81.0	41	186	186
Chloroethane				6,000	60,000	49,000	NE	<166	83	<168	84	<160	80	<3070	1,535	<162	81	373	373
Chloroform				6,000	60,000	100,000	120,000	<83.0	42	<84.0	42	<80.0	40	<1530	765	<81.0	41	186	186
Chloromethane				30,000	300,000	49,000	NE	<166	83	<168	84	<160	80	<3070	1,535	<162	81	373	373
Dibromochloromethane				NE	NE	7,600	NE	<83.0	42	<84.0	42	<80.0	40	<1530	765	<81.0	41	186	186
1,1-Dichloroethane	500	225	300	6,000	60,000	7,800,000	NE	<83.0	42	<84.0	42	<80.0	40	<1530	765	<81.0	41	186	186
1,2-Dichloroethane	280	195	140	6,000	60,000	7,000	10,000	<83.0	42	<84.0	42	<80.0	40	<1530	765	<81.0	41	186	186
1,1-Dichloroethene				6,000	60,000	1,100	14,000	<83.0	42	<84.0	42	<80.0	40	<1530	765	<81.0	41	186	186
1,2-Dichlorobenzene				6,000	60,000	7,800,000	NE	<83.0	42	<84.0	42	<80.0	40	<1530	765	<81.0	41	186	186
1,2,4-Trimethylbenzene				NE	NE	NE	NE	1,300	1,300	2,300	2,300	3,900	3,900	10,500	10,500	<81.0	41	3,608	3,608
cis-1,2-Dichloroethene				NE	NE	780,000	NE	8,800	8,800	<84.0	42	10,800	10,800	2,700	2,700	1,300	1,300	4,728	4,728
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	NE	150	150	100	100	150	150	<1530	765	<81.0	41	241	241
1,2-Dichloropropane				18,000	180,000	9,400	NE	<83.0	42	<84.0	42	<80.0	40	<1530	765	<81.0	41	186	186
1,3,5-Trimethylbenzene				NE	NE	NE	NE	1,100	1,100	2,000	2,000	2,800	2,800	7,400	7,400	5,100	5,100	3,680	3,680
cis-1,3-Dichloropropene				18,000	180,000	NE	NE	<83.0	42	<84.0	42	<80.0	40	<1530	765	<81.0	41	186	186
trans-1,3-Dichloropropene				18,000	180,000	NE	NE	<83.0	42	<84.0	42	<80.0	40	<1530	765	<81.0	41	186	186
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	NE	2,500	2,500	3,600	3,600	7,300	7,300	**94,300**	94,300	**10,800**	10,800	23,700	23,700
2-Hexanone				NE	NE	NE	NE	<830	415	<840	420	<800	400	<15300	7,650	<810	405	1,858	1,858
Isopropylbenzene				NE	NE	3,100,000	NE	510	510	860	860	1,400	1,400	2,900	2,900	2,500	2,500	1,634	1,634
Methylene Chloride	420	158	210	30,000	300,000	85,000	NE	<83.0	42	<168	84	<160.0	80	<1530	765	<162.0	81	210	210
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	NE	<830	415	<840	420	<800	400	<15300	7,650	<810	405	1,858	1,858
Naphthalene				5,600	56,000	310,000	NE	210	210	310	310	480	480	<1530	765	1,400	1,400	633	633
n-Butylbenzene				NE	NE	5,000	NE	120	120	190	190	250	250	<1530	765	<81.0	41	273	273
n-Propylbenzene				NE	NE	NE	NE	260	260	470	470	760	760	2,000	2,000	1,300	1,300	958	958
p-Isopropyltoluene				NE	NE	NE	NE	220	220	420	420	560	560	<1530	765	1,300	1,300	653	653
sec-Butylbenzene				NE	NE	5,000	NE	94	94	140	140	200	200	<1530	765	<81.0	41	248	248
Styrene				NE	NE	21,000	NE	<83.0	42	<84.0	42	<80.0	40	<1530	765	<81.0	41	186	186
tert-Butylbenzene				NE	NE		NE	<83.0	42	<84.0	42	<80.0	40	<1530	765	110	110	200	200
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	NE	<83.0	42	<84.0	42	<80.0	40	<1530	765	<81.0	41	186	186
Tetrachloroethene				6,000	60,000	12,000	14,000	170	170	150	150	150	150	1,600	1,600	<81.0	41	422	422
Toluene	6,000	4,250	3,000	10,000	100,000	16,000,000	NE	500	500	680	680	2,200	2,200	<1530	765	<81.0	41	837	837
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	NE	<83.0	42	<84.0	42	<80.0	40	<1530	765	<81.0	41	186	186
1,1,2-Trichloroethane				6,000	60,000	11,000	NE	<83.0	42	91	91	120	120	<1530	765	250	250	254	254
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	10,000	**6,900**	6,900	**7,200**	7,200	**4,000**	4,000	**3,500**	3,500	210	210	4,362	4,362
Vinyl Chloride	456	171	228	6,000	60,000	340 *	4,000 *	**430**	430	**220**	220	**380**	380	<77	39	**180**	180	250	250
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	NE	**5,300**	5,300	**7,500**	7,500	**14,700**	14,700	**35,400**	35,400	**5,500**	5,500	13,680	13,680
m&p-xylene						160,000,000	NE	**23,500**	23,500	**38,000**	38,000	**76,900**	76,900	**789,400**	789,400	**79,500**	79,500	201,460	201,460
Total VOCs		10,000		NE	NE	NE	NE		55,426		67,675		130,290		1,016,369		112,933		276,538
TCLP Vinyl Chloride (ug/l) (Shown as Total/20)		200 ug/l						21.5		11		19		1.925		9		12.485	
TCLP Trichloroethene (ug/l) (Shown as Total/20)		500 ug/l						345		360		200		175		10.5		218.1	
Disposal option																		**Modern Landfill**	

Notes:

Bold. Analyte detected was above the given action level.

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

* Vinyl chloride is a daughter product and the Contained-In threshold does not apply, it will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

Prepared by: JK
Date: 7/28/03
Checked by: DT
Date: 7/28/03

SCIENTECH, Inc.

Table 8
Soil Shredding Pilot Test
Soil Sampling Results
LEICA Inc.
June 18-20, 2003

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-In Action Levels	RCRA TCLP X 20	Consolidated Pile A (MP1, MP4, MP,7)									
	Fill	Clay	Sandy Silt	ug/kg	ug/kg	ug/kg	ug/l	PT1-10-0	PID 1,071	PT1-10-1	PID 610	PT1-10-3	PID 432	PT1-10-5	PID 436	PT1-10-10	PID 348
Lab Sample Number:								AD94288		AD94289		AD94290		AD94291		AD94292	
Date Sampled:								6/18/03		6/18/03		6/18/03		6/18/03		6/18/03	
Approximate Amount of Material:								10 yds		10 yds		10 yds		10 yds		2 yds	
Number of times shredded:								0		1		3		5		10	
Soil Type																	
Volatile Organic Compounds (ug/kg)																	
Acetone				160,000	1,600,000	7,800,000	NE	<3120	1,560	<2800	1,400	<2700	1,350	<2560	1,280	<2200	1,100
Benzene	232	87	116	10,000	100,000	22,000	10,000	220	220	230	230	<135	68	130	130	<110	55
Bromodichloromethane				15,000	150,000	10,000	NE	<156	78	<140	70	<135	68	<128	64	<110	55
Bromoform				NE	NE	81,000	NE	<156	78	<140	70	<135	68	<128	64	<110	55
Bromomethane				15,000	150,000	110,000	NE	<312	156	<280	140	<270	135	<256	128	<220	110
2-Butanone (MEK)				36,000	360,000	47,000,000	4,000,000	<1560	780	<1400	700	<1350	675	<1280	640	<1100	550
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	NE	<780	390	<700	350	<675	338	<640	320	<550	275
Carbon Tetrachloride				6,000	60,000	4,900	10,000	<156	78	<140	70	<135	68	<128	64	<110	55
Chlorobenzene				6,000	60,000	1,600,000	2,000,000	<156	78	300	300	<135	68	<128	64	<110	55
Chloroethane				6,000	60,000	49,000	NE	<312	156	<280	140	<270	135	<256	128	<220	110
Chloroform				6,000	60,000	100,000	120,000	<156	78	<140	70	<135	68	<128	64	<110	55
Chloromethane				30,000	300,000	49,000	NE	<312	156	<280	140	<270	135	<256	128	<220	110
Dibromochloromethane				NE	NE	7,600	NE	<156	78	<140	70	<135	68	<128	64	<110	55
1,1-Dichloroethane	600	225	300	6,000	60,000	7,800,000	NE	<156	78	<140	70	<135	68	<128	64	<110	55
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	10,000	<156	78	<140	70	<135	68	<128	64	<110	55
1,1-Dichloroethene				6,000	60,000	1,100	14,000	<156	78	<140	70	<135	68	<128	64	<110	55
1,2-Dichlorobenzene				6,000	60,000	7,800,000	NE	1,300	1,300	1,600	1,600	1,100	1,100	840	840	790	790
1,2,4-Trimethylbenzene				NE	NE	NE	NE	2,600	2,600	4,300	4,300	2,700	2,700	2,700	2,700	2,200	2,200
cis-1,2-Dichloroethene				NE	NE	780,000	NE	147,300	147,300	146,200	146,200	<135	68	85,000	85,000	72,400	72,400
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	NE	1,500	1,500	1,800	1,800	<135	68	1,500	1,500	1,300	1,300
1,2-Dichloropropane				18,000	180,000	9,400	NE	<156	78	<140	70	<135	68	<128	64	<110	55
1,3,5-Trimethylbenzene				NE	NE	NE	NE	4,600	4,600	4,800	4,800	3,700	3,700	3,200	3,200	2,700	2,700
cis-1,3-Dichloropropene				18,000	180,000	NE	NE	<156	78	<140	70	<135	68	<128	64	<110	55
trans-1,3-Dichloropropene				18,000	180,000	NE	NE	<156	78	<140	70	<135	68	<128	64	<110	55
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	NE	6,800	6,600	8,200	8,200	5,700	5,700	4,600	4,600	3,800	3,800
2-Hexanone				NE	NE	NE	NE	<1560	780	<1400	700	<1350	675	<1280	640	<1100	550
Isopropylbenzene				NE	NE	3,100,000	NE	760	760	920	920	610	610	510	510	440	440
Methylene Chloride	420	158	210	30,000	300,000	85,000	NE	<780	390	<700	350	<675	338	<640	320	<550	275
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	NE	<1560	780	<1400	700	<1350	675	<1280	640	<1100	550
Naphthalene				5,600	56,000	310,000	NE	3,300	3,300	3,300	3,300	2,500	2,500	2,600	2,600	2,300	2,300
n-Butylbenzene				NE	NE	5,000	NE	1,100	1,100	1,000	1,000	820	820	730	730	640	640
n-Propylbenzene				NE	NE	NE	NE	840	840	930	930	640	640	550	550	480	480
p-Isopropyltoluene				NE	NE	NE	NE	1,400	1,400	1,300	1,300	1,100	1,100	900	900	820	820
sec-Butylbenzene				NE	NE	5,000	NE	510	510	540	540	410	410	350	350	310	310
Styrene				NE	NE	21,000	NE	<156	78	<140	70	<135	68	<128	64	<110	55
tert-Butylbenzene				NE	NE		NE	<156	78	<140	70	<135	68	<128	64	<110	55
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	NE	<156	78	<140	70	<135	68	<128	64	<110	55
Tetrachloroethene				6,000	60,000	12,000	14,000	940	940	910	910	<135	68	470	470	420	420
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	NE	**3,400**	3,400	**4,800**	4,800	<135	68	**2,400**	2,400	1,800	1,800
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	NE	<156	78	<140	70	<135	68	<128	64	<110	55
1,1,2-Trichloroethane				6,000	60,000	11,000	NE	<156	78	<140	70	<135	68	<128	64	<110	55
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	10,000	***451,000***	451,000	***416,600***	416,600	<135	68	***197,000***	197,000	***145,100***	145,100
Vinyl Chloride	456	171	228	6,000	60,000	340 *	4,000 *	**2,900**	2,900	**5,300**	5,300	<135	68	**4,500**	4,500	**6,100**	6,100
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	NE	**28,700**	28,700	**27,100**	27,100	22,000	22,000	**17,700**	17,700	**14,900**	14,900
m&p-xylene						160,000,000	NE	**18,200**	18,200	**29,400**	29,400	18,400	18,400	**17,700**	17,700	14,100	14,100
Total VOCs		10,000		NE	NE	NE	NE		683,844		665,270		65,755		348,692		275,220

Notes:

* Vinyl chloride is a daughter product and the Contained-in threshold does not apply. It will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 x 200 ppb).

Bold: Analyte detected was above the given action level.

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS).

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS).

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

Prepared by: JK
Date: 7/28/03
Checked by: DT
Date: 7/28/03

Table 8
Soil Shredding Pilot Test
Soil Sampling Results
LEICA Inc.
June 18-20, 2003

SCIENTECH, Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-in-Action Levels	RCRA TCLP X 20	Consolidated Pile A (MP1, MP4, MP,7)							
								PT1-20-0	PID 1,436	PT1-20-1	PID 887	PT1-20-5	PID 657	PT1-20-10	PID 465
Lab Sample Number:								AD94293		AD94294		AD94295		AD94296	
Date Sampled:	Fill	Clay	Sandy Silt	ug/kg	ug/kg	ug/kg	ug/l	6/19/03		6/19/03		6/19/03		6/19/03	
Approximate Amount of Material:								10 yds		10 yds		10 yds		2 yds	
Number of times shredding:								0		1		5		10	
Soil Type															
Volatile Organic Compounds (ug/kg)															
Acetone				160,000	1,600,000	7,800,000	NE	<2700	1,350	<3400	1,700	<2560	1,280	<2760	1,380
Benzene	330	87	116	10,000	100,000	22,000	10,000	250	250	170	170	180	180	180	180
Bromodichloromethane				15,000	150,000	10,000	NE	<135	68	<170	85	<128	64	<138	69
Bromoform				NE	NE	81,000	NE	<135	68	<170	85	<128	64	<138	69
Bromomethane				15,000	150,000	110,000	NE	<270	135	<340	170	<256	128	<276	138
2-Butanone (MEK)				36,000	360,000	47,000,000	4,000,000	<1350	675	<1700	850	<1280	640	<1380	690
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	NE	<675	338	<850	425	<640	320	<690	345
Carbon Tetrachloride				6,000	60,000	4,900	10,000	<135	68	<170	85	<128	64	<138	69
Chlorobenzene				6,000	60,000	1,600,000	2,000,000	<135	68	<170	85	<128	64	<138	69
Chloroethane				6,000	60,000	49,000	NE	<270	135	<340	170	<256	128	<276	138
Chloroform				6,000	60,000	100,000	120,000	<135	68	<170	85	<128	64	<138	69
Chloromethane				30,000	300,000	49,000	NE	<270	135	<340	170	<256	128	<276	138
Dibromochloromethane				NE	NE	7,600	NE	<135	68	<170	85	<128	64	<138	69
1,1-Dichloroethane	600	225	300	6,000	60,000	7,800,000	NE	<135	68	<170	85	<128	64	<138	69
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	10,000	<135	68	<170	85	<128	64	<138	69
1,1-Dichloroethene				6,000	60,000	1,100	14,000	<135	68	<170	85	<128	64	<138	69
1,2-Dichlorobenzene				6,000	60,000	7,800,000	NE	780	780	600	600	760	760	740	740
1,2,4-Trimethylbenzene				NE	NE	NE	NE	1,800	1,800	3,400	3,400	4,900	4,900	5,100	5,100
cis-1,2-Dichloroethene				NE	NE	780,000	NE	109,100	109,100	96,700	96,700	94,700	94,700	106,900	106,900
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	NE	1,300	1,300	1,300	1,300	1,400	1,400	2,000	2,000
1,2-Dichloropropane				18,000	180,000	9,400	NE	<135	68	<170	85	<128	64	<138	69
1,3,5-Trimethylbenzene				NE	NE	NE	NE	3,800	3,800	4,100	4,100	4,900	4,900	4,800	4,800
cis-1,3-Dichloropropene				18,000	180,000	NE	NE	<135	68	<170	85	<128	64	<138	69
trans-1,3-Dichloropropene				18,000	180,000	NE	NE	<135	68	<170	85	<128	64	<138	69
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	NE	4,600	4,600	5,600	5,600	6,800	6,800	6,700	6,700
2-Hexanone				NE	NE	NE	NE	<1350	675	<1700	850	<1280	640	<1380	690
Isopropylbenzene				NE	NE	3,100,000	NE	530	530	630	630	780	780	770	770
Methylene Chloride	420	158	210	30,000	300,000	85,000	NE	<675	338	<850	425	<640	320	<690	345
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	NE	<1350	675	<1700	850	<1280	640	<1380	690
Naphthalene				5,600	56,000	310,000	NE	1,900	1,900	2,300	2,300	3,100	3,100	3,200	3,200
n-Butylbenzene				NE	NE	5,000	NE	650	650	1,300	1,300	1,000	1,000	1,500	1,500
n-Propylbenzene				NE	NE	NE	NE	500	500	720	720	870	870	870	870
p-Isopropyltoluene				NE	NE	NE	NE	1,300	1,300	1,200	1,200	1,600	1,600	1,600	1,600
sec-Butylbenzene				NE	NE	5,000	NE	400	400	440	440	530	530	540	540
Styrene				NE	NE	21,000	NE	<135	68	<170	85	<128	64	<138	69
tert-Butylbenzene				NE	NE		NE	<135	68	<170	85	<128	64	<138	69
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	NE	<135	68	<170	85	<128	64	<138	69
Tetrachloroethene				6,000	60,000	12,000	14,000	1,000	1,000	940	940	780	780	750	750
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	NE	2,600	2,600	3,100	3,100	3,800	3,800	3,700	3,700
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	NE	<135	68	<170	85	<128	64	<138	69
1,1,2-Trichloroethane				6,000	60,000	11,000	NE	<135	68	<170	85	<128	64	<138	69
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	10,000	***410,000***	410,000	***260,200***	260,200	***275,600***	275,600	***303,400***	303,400
Vinyl Chloride	456	171	228	6,000	60,000	340 *	4,000 *	**2,000**	2,000	**5,000**	5,000	**4,000**	4,000	**7,000**	7,000
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	NE	**23,900**	23,900	**20,000**	20,000	**23,000**	23,000	**22,600**	22,600
m&p-xylene						160,000,000	NE	**11,400**	11,400	**19,500**	19,500	**25,800**	25,800	**27,600**	27,600
Total VOCs		10,000		NE	NE	NE	NE		583,413		434,255		459,812		505,677

Notes:

* Vinyl chloride is a daughter product and the Contained-In threshhold does not apply, it will only be necessary to ensure that concentrations of vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

Bold: Analyte detected was above the RAO action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

Prepared by: JK
Date: 7/28/03
Checked by: DT
Date: 7/28/03

SCIENTECH, Inc.

Table 8
Soil Shredding Pilot Test
Soil Sampling Results
LEICA Inc.
June 18-20, 2003

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-In-Action Levels	RCRA TCLP X 20	NH-37									
								PT2-10-0	PID 5.9	PT2-10-1	PID 7.1	PT2-10-3	PID 18.3	PT2-10-5	PID 12.1	PT2-10-10	PID 11.8
Lab Sample Number:								AD94553		AD94554		AD94555		AD94556		AD94557	
Date Sampled:								6/20/03		6/20/03		6/20/03		6/20/03		6/20/03	
Approximate Amount of Material:								10 yds		10 yds		10 yds		2 yds		2 yds	
Number of times shredded:								0		1		3		5		10	
Soil Type	Fill	Clay	Sandy Silt	ug/kg	*ug/kg*	ug/kg	ug/l										
Volatile Organic Compounds (ug/kg)																	
Acetone				160,000	*1,600,000*	7,800,000	NE	<1480	740	<1480	740	<4360	2,180	<1280	640	<1280	640
Benzene	232	87	116	10,000	*100,000*	22,000	10,000	<74	37	<74	37	<218	109	<64	32	<64	32
Bromodichloromethane				15,000	*150,000*	10,000	NE	<74	37	<74	37	<218	109	<64	32	<64	32
Bromoform				NE	*NE*	81,000	NE	<74	37	<74	37	<218	109	<64	32	<64	32
Bromomethane				15,000	*150,000*	110,000	NE	<148	74	<148	74	<436	218	<128	64	<128	64
2-Butanone (MEK)				36,000	*360,000*	47,000,000	4,000,000	<740	370	<740	370	<2180	1,090	<640	320	<640	320
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	NE	<370	185	<370	185	<1090	545	<320	160	<320	160
Carbon Tetrachloride				6,000	*60,000*	4,900	10,000	<74	37	<74	37	<218	109	<64	32	<64	32
Chlorobenzene				6,000	*60,000*	1,600,000	2,000,000	<74	37	<74	37	<218	109	<64	32	<64	32
Chloroethane				6,000	*60,000*	49,000	NE	<148	74	<148	74	<436	218	<128	64	<128	64
Chloroform				6,000	*60,000*	100,000	120,000	<74	37	<74	37	<218	109	<64	32	<64	32
Chloromethane				30,000	*300,000*	49,000	NE	<148	74	<148	74	<436	218	<128	64	<128	64
Dibromochloromethane				NE	*NE*	7,600	NE	<74	37	<74	37	<218	109	<64	32	<64	32
1,1-Dichloroethane	600	225	300	6,000	*60,000*	7,800,000	NE	<74	37	<74	37	<218	109	<64	32	<64	32
1,2-Dichloroethane	280	105	140	6,000	*60,000*	7,000	10,000	<74	37	<74	37	<218	109	<64	32	<64	32
1,1-Dichloroethene				6,000	*60,000*	1,100	14,000	<74	37	<74	37	<218	109	<64	32	<64	32
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	NE	<74	37	<74	37	<218	109	<64	32	<64	32
1,2,4-Trimethylbenzene				NE	*NE*	NE	NE	<74	37	74	74	900	900	94	94	110	110
cis-1,2-Dichloroethene				NE	*NE*	780,000	NE	1,800	1,800	2,600	2,600	21,500	21,500	3,900	3,900	4,800	4,800
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	NE	230	230	290	290	750	750	320	320	340	340
1,2-Dichloropropane				18,000	*180,000*	9,400	NE	<74	37	<74	37	<218	109	<64	32	<64	32
1,3,5-Trimethylbenzene				NE	*NE*	NE	NE	<74	37	<74	37	1,000	1,000	65	65	83	83
cis-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<74	37	<74	37	<218	109	<64	32	<64	32
trans-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<74	37	<74	37	<218	109	<64	32	<64	32
Ethylbenzene	22,000	8,250	11,000	10,000	*100,000*	7,800,000	NE	<74	37	78	78	1,200	1,200	93	93	110	110
2-Hexanone				NE	*NE*	NE	NE	<740	370	<740	370	<2180	1,090	<640	320	<640	320
Isopropylbenzene				NE	*NE*	3,100,000	NE	<74	37	<74	37	<218	109	<64	32	<64	32
Methylene Chloride	420	158	210	30,000	*300,000*	85,000	NE	<370	185	<370	185	<1090	545	<320	160	<320	160
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	NE	<740	370	<740	370	<2180	1,090	<640	320	<640	320
Naphthalene				5,600	*56,000*	310,000	NE	<74	37	<74	37	1,900	1,900	84	84	95	95
n-Butylbenzene				NE	*NE*	5,000	NE	<74	37	<74	37	<218	109	<64	32	<64	32
n-Propylbenzene				NE	*NE*	NE	NE	<74	37	<74	37	<218	109	<64	32	<64	32
p-Isopropyltoluene				NE	*NE*	NE	NE	<74	37	<74	37	350	350	<64	32	<64	32
sec-Butylbenzene				NE	*NE*	5,000	NE	<74	37	<74	37	<218	109	<64	32	<64	32
Styrene				NE	*NE*	21,000	NE	<74	37	<74	37	<218	109	<64	32	<64	32
tert-Butylbenzene				NE	*NE*		NE	<74	37	<74	37	<218	109	<64	32	<64	32
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	NE	<74	37	<74	37	<218	109	<64	32	<64	32
Tetrachloroethene				6,000	*60,000*	12,000	14,000	<74	37	<74	37	<218	109	<64	32	<64	32
Toluene	6,000	2,250	3,000	10,000	*100,000*	16,000,000	NE	<74	37	75	75	640	640	95	95	94	94
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	*60,000*	7,000,000	NE	<74	37	<74	37	<218	109	<64	32	<64	32
1,1,2-Trichloroethane				6,000	*60,000*	11,000	NE	<74	37	<74	37	<218	109	<64	32	<64	32
Trichloroethene	2,520	945	1,260	6,000	*60,000*	58,000	10,000	**1,600**	1,600	**5,000**	5,000	**46,200**	46,200	**4,300**	4,300	**5,400**	5,400
Vinyl Chloride	456	171	228	6,000	*60,000*	340 *	4,000 *	**270**	270	**210**	210	**3,000**	3,000	**680**	680	**990**	990
o-Xylene	4800	1800	2400	30,000	*300,000*	160,000,000	NE	120	120	180	180	**4,400**	4,400	290	290	380	380
m&p-xylene						160,000,000	NE	170	170	270	270	**4,300**	4,300	320	320	390	390
Total VOCs		10,000		NE	NE	NE	NE		7,742		12,218		95,950		13,153		15,504

Notes:

* Vinyl chloride is a daughter product and the Contained-In threshold does not apply. It will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

Bold: Analyte detected was above the given action level.

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

Table 8
Soil Shredding Pilot Test
Soil Sampling Results
LEICA Inc.
June 18-20, 2003

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-In-Action Levels	RCRA TCLP X 20	NH-67							
								PT3-10-0	PID 38.8	PT3-10-1	PID 76.4	PT3-10-5	PID 40.1	PT3-10-10	PID 36.4
Lab Sample Number:								AD94558		AD94559		AD94560		AD94561	
Date Sampled:	Fill	Clay	Sandy Silt	ug/kg	ug/kg	ug/kg	ug/l	6/20/03		6/20/03		6/18/03		6/18/03	
Approximate Amount of Material:								10 yds		10 yds		2 yds		2 yds	
Number of times shredded:								0		1		5		10	
Soil Type															
Volatile Organic Compounds (ug/kg)															
Acetone				160,000	*1,600,000*	7,800,000	NE	<3300	1,650	<2880	1,440	<2600	1,300	<3020	1,510
Benzene	**232**	**87**	**116**	10,000	*100,000*	22,000	10,000	<165	83	<144	72	<130	65	<151	76
Bromodichloromethane				15,000	*150,000*	10,000	NE	<165	83	<144	72	<130	65	<151	76
Bromoform				NE	*NE*	81,000	NE	<165	83	<144	72	<130	65	<151	76
Bromomethane				15,000	*150,000*	110,000	NE	<330	165	<288	144	<260	130	<302	151
2-Butanone (MEK)				36,000	*360,000*	47,000,000	4,000,000	<1650	825	<1440	720	<1300	650	<1510	755
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	NE	<825	413	<720	360	<650	325	<755	378
Carbon Tetrachloride				6,000	*60,000*	4,900	10,000	<165	83	<144	72	<130	65	<151	76
Chlorobenzene				6,000	*60,000*	1,600,000	2,000,000	<165	83	<144	72	<130	65	<151	76
Chloroethane				6,000	*60,000*	49,000	NE	<330	165	<288	144	<260	130	<302	151
Chloroform				6,000	*60,000*	100,000	120,000	<165	83	<144	72	<130	65	<151	76
Chloromethane				30,000	*300,000*	49,000	NE	<330	165	<288	144	<260	130	<302	151
Dibromochloromethane				NE	*NE*	7,600	NE	<165	83	<144	72	<130	65	<151	76
1,1-Dichloroethane	**600**	**225**	**300**	6,000	*60,000*	7,800,000	NE	<165	83	<144	72	<130	65	<151	76
1,2-Dichloroethane	**280**	**105**	**140**	6,000	*60,000*	7,000	10,000	<165	83	<144	72	<130	65	<151	76
1,1-Dichloroethene				6,000	*60,000*	1,100	14,000	<165	83	<144	72	<130	65	<151	76
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	NE	<165	83	<144	72	<130	65	<151	76
1,2,4-Trimethylbenzene				NE	*NE*	NE	NE	<165	83	<144	72	<130	65	160	160
cis-1,2-Dichloroethene				NE	*NE*	780,000	NE	3,400	3,400	1,700	1,700	1,700	1,700	1,500	1,500
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	NE	<165	83	<144	72	<130	65	<151	76
1,2-Dichloropropane				18,000	*180,000*	9,400	NE	<165	83	<144	72	<130	65	<151	76
1,3,5-Trimethylbenzene				NE	*NE*	NE	NE	<165	83	<144	72	<130	65	<151	76
cis-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<165	83	<144	72	<130	65	<151	76
trans-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<165	83	<144	72	<130	65	<151	76
Ethylbenzene	**22,000**	**8,250**	**11,000**	10,000	*100,000*	7,800,000	NE	200	200	200	200	170	170	160	160
2-Hexanone				NE	*NE*	NE	NE	<1650	825	<1440	720	<1300	650	<1510	755
Isopropylbenzene				NE	*NE*	3,100,000	NE	<165	83	<144	72	<130	65	<151	76
Methylene Chloride	**420**	**158**	**210**	30,000	*300,000*	85,000	NE	<825	413	<720	360	<650	325	<755	378
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	NE	<1650	825	<1440	720	<1300	650	<1510	755
Naphthalene				5,600	*56,000*	310,000	NE	380	380	490	490	260	260	170	170
n-Butylbenzene				NE	*NE*	5,000	NE	<165	83	<144	72	<130	65	<151	76
n-Propylbenzene				NE	*NE*	NE	NE	<165	83	<144	72	<130	65	<151	76
p-Isopropyltoluene				NE	*NE*	NE	NE	<165	83	<144	72	<130	65	<151	76
sec-Butylbenzene				NE	*NE*	5,000	NE	<165	83	<144	72	<130	65	<151	76
Styrene				NE	*NE*	21,000	NE	<165	83	<144	72	<130	65	<151	76
tert-Butylbenzene				NE	*NE*		NE	<165	83	<144	72	<130	65	<151	76
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	NE	<165	83	<144	72	<130	65	<151	76
Tetrachloroethene				6,000	*60,000*	12,000	14,000	<165	83	290	290	170	170	<151	76
Toluene	**6,000**	**2,250**	**3,000**	10,000	*100,000*	16,000,000	NE	<165	83	<144	72	<130	65	<151	76
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	6,000	*60,000*	7,000,000	NE	<165	83	<144	72	<130	65	<151	76
1,1,2-Trichloroethane				6,000	*60,000*	11,000	NE	<165	83	<144	72	<130	65	<151	76
Trichloroethene	**2,520**	**945**	**1,260**	6,000	*60,000*	58,000	10,000	**11,600**	11,600	**13,600**	13,600	**8,100**	8,100	**7,100**	7,100
Vinyl Chloride	**456**	**171**	**228**	6,000	*60,000*	340 *	4,000 *	<165	83	<144	72	170	170	<151	76
o-xylene	**4800**	**1800**	**2400**	30,000	*300,000*	160,000,000	NE	320	320	580	580	460	460	400	400
m&p-xylene						160,000,000	NE	600	600	830	830	580	580	540	540
Total VOCs		10,000		NE	NE	NE	NE		24,420		24,530		17,720		17,203

Notes:

* Vinyl chloride is a daughter product and the Contained-In threshhold does not apply, it will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

Bold: Analyte detected was above the given action level.

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

Table 9
Soil Shredding Pilot Test
Air Quality Monitoring Results
LEICA Inc.
June 18-19, 2003

Analytes	Molecular weight of compound	NYSDEC SGC (ug/m^3)	NYSDEC AGC (ug/m^3)						
Sample ID:				1361 A			1362 B		
Lab Sample Number:				AD94286			AD94287		
Date Sampled:				6/19/2003	PPBv	ug/m^3	6/19/2003	PPBv	ug/m^3
Volatile Organic Compounds									
Dichlorodifluoromethane (Freon 12)	120.9	NE	12,000	0.63	0.63	3.17	0.61	0.61	3.07
Chloromethane	50.5	22,000	770	0.60	0.60	1.26	<0.5	0.25	ND
1,2-Dichlorotetrafluoroethane	170.9	NE	17,000	<0.5	0.25	ND	<0.5	0.25	ND
Vinyl chloride	62.5	180,000	0.02	<0.5	0.25	ND	<0.5	0.25	ND
Bromomethane	95	3,900	5.0	<0.5	0.25	ND	<0.5	0.25	ND
Chloroethane	64.5	NE	10,000	<0.5	0.25	ND	<0.5	0.25	ND
Trichlorofluoromethane (Freon 11)	137.4	560,000	20,000	<0.5	0.25	ND	<0.5	0.25	ND
1,1-Dichloroethene	96.9	NE	0.02	<0.5	0.25	ND	<0.5	0.25	ND
Methylene chloride	84.9	14,000	2.1	<0.5	0.25	ND	<0.5	0.25	ND
1,1,2-Trichlorotrifluoroethane	187.4	960,000	180,000	<0.5	0.25	ND	<0.5	0.25	ND
1,1-Dichloroethane	98.96	NE	20.0	<0.5	0.25	ND	<0.5	0.25	ND
cis-1,2-Dichloroethene	96.95	NE	1,900	4.9	4.90	19.76	5.0	5.00	20.16
Chloroform	119.38	150	0.043	<0.5	0.25	ND	<0.5	0.25	ND
1,2-Dichloroethane	99	NE	0.38	<0.5	0.25	ND	<0.5	0.25	ND
1,1,1-Trichloroethane	133.4	68,000	1,000	<0.5	0.25	ND	<0.5	0.25	ND
Benzene	78.1	1,300	0.13	<0.5	0.25	ND	<0.5	0.25	ND
Carbon tetrachloride	153.8	1,300	0.67	<0.5	0.25	ND	<0.5	0.25	ND
1,2-Dichloropropane	113	51,000	4.0	<0.5	0.25	ND	<0.5	0.25	ND
Trichloroethene	131.4	54,000	0.45	9.4	9.40	51.38	10.0	10.00	54.66
cis-1,3-Dichloropropene	111	NE	0.25	<0.5	0.25	ND	<0.5	0.25	ND
trans-1,3-Dichloropropene	111	NE	0.25	<0.5	0.25	ND	<0.5	0.25	ND
1,1,2-Trichloroethane	133.4	NE	0.063	<0.5	0.25	ND	<0.5	0.25	ND
Toluene	92.1	37,000	400	0.61	0.61	2.34	0.60	0.60	2.30
1,2-Dibromoethane	187.9	NE	0.0045	<0.5	0.25	ND	<0.5	0.25	ND
Tetrachloroethene	165.83	1,000	1.0	<0.5	0.25	ND	<0.5	0.25	ND
Chlorobenzene	112.6	NE	110	<0.5	0.25	ND	<0.5	0.25	ND
Ethylbenzene	106.2	54,000	1,000	<0.5	0.25	ND	<0.5	0.25	ND
m,p-Xylene	106.2	4,300	700	0.60	0.60	2.65	0.61	0.61	2.69
Styrene	104.2	21,000	1,000	<0.5	0.25	ND	<0.5	0.25	ND
1,1,2,2-Tetrachloroethane	167.9	NE	0.017	<0.5	0.25	ND	<0.5	0.25	ND
o-Xylene	106.2	4,300	700	<0.5	0.25	ND	<0.5	0.25	ND
1,3,5-Trimethylbenzene	120.2	NE	290	<0.5	0.25	ND	<0.5	0.25	ND
4-Ethyltoluene	120.21	NE	NE	<0.5	0.25	ND	<0.5	0.25	ND
1,2,4-Trimethylbenzene	120.2	NE	290	<0.5	0.25	ND	<0.5	0.25	ND
1,3-Dichlorobenzene	147	30,000	360	<0.5	0.25	ND	<0.5	0.25	ND
Benzyl chloride	126.6	240	0.02	<0.5	0.25	ND	<0.5	0.25	ND
1,4-Dichlorobenzene	147	NE	0.09	<0.5	0.25	ND	<0.5	0.25	ND
1,2-Dichlorobenzene	147	30,000	360	<0.5	0.25	ND	<0.5	0.25	ND
1,2,4-Trichlorobenzene	181.4	3,700	NE	<0.5	0.25	ND	<0.5	0.25	ND
Hexachlorobutadiene	260.7	NE	0.045	<0.5	0.25	ND	<0.5	0.25	ND

Notes:

NYSDEC Short-Term Guideline Concentration (SGC) is based on a 1 hour period.
NYSDEC Annual Guideline Concentration (AGC) is based on a 1 year period.

NE = No Standard Established
ND = Not Detected, concentration shown at 1/2 MDL
Bold = Analyte detected was above Guideline Concentration

* Samples collected using Summa Canisters and analyzed using EPA method TO-14.
** Samples were collected over an 8 hour period on June 18-19, 2003.

Prepared by: JK
Date: 2/4/04
Checked by: DT
Date: 2/4/04

SCIENTECH, Inc.

Table 10
Soil Shredding Pilot Test Air Particulate Monitoring Results
LEICA Inc.

Date	Location	Particulate Monitoring				VOC Monitoring			
		DustTrak Serial #	Avg. (mg/m^3)	Max. (mg/m^3)	Min. (mg/m^3)	PID (model)	Avg. (ppm)	Max. (ppm)	Min. (ppm)
6/18/2003	Downwind	14128	0.015	0.183	0.000	PhotoVac 2020	0.0	99.8 *	0.0
	Upwind	14105	0.039	0.081	0.025				
6/19/2003	Downwind	14128	0.057	0.117	0.019	PhotoVac 2020	0.0	100 *	0.0
	Upwind	14105	0.079	0.176	0.049				
6/20/2003	Downwind	14128	0.005	0.121	-0.004	PhotoVac 2020	0.0	100 *	0.0
	Upwind	14105	0.031	0.439	0.020				

Notes:

Particulate Monitoring

Particulate monitoring stations were placed approximately 200 ft. upwind and downwind of shredding operation.

Airborne particulate action level = 0.15 mg/m^3 greater than background over a 15-minute averaging time period

Avg. = average value of 1-minute logging intervals recorded during sampling period

Max. = maximum 1-minute logging interval concentration recorded during sampling period

Min. = minimum 1-minute logging interval concentration recorded during sampling period

VOC Monitoring

VOC concentrations were continuously monitored with a Photoionization Detector (10.6 eV lamp) at the downwind particulate monitoring station.

Avg. = VOC concentrations were recorded as a 15-minute running average.

Max. = maximum concentration (ppm) recorded during sampling period

Min. = minimum concentration (ppm) recorded during sampling period

* = Maximum concentration occurred during calibration of the instrument.

Prepared by: JK
Date: 1/8/04
Checked by:DT
Date:1/8/04

SCIENTECH, Inc.

Table 11
Summary of Air Particulate Monitoring Results
LEICA Inc.

Date	South Location				North Location				West Location			
	DustTrak Serial #	Avg. (mg/m^3)	Max. (mg/m^3)	Min. (mg/m^3)	DustTrak Serial #	Avg. (mg/m^3)	Max. (mg/m^3)	Min. (mg/m^3)	DustTrak Serial #	Avg. (mg/m^3)	Max. (mg/m^3)	Min. (mg/m^3)
	Airborne particulate action level = 0.15 mg/m^3 greater than background over a 15-minute averaging time period											
10/29/2002	14218	0.014	0.428	0.008	Data not collected							
10/31/2002	14218	0.037	0.085	0.010	Data not collected							
11/5/2002	14218	0.017	0.043	0.007	14107	0.019	0.104	0.008				
11/6/2002	14218	0.042	0.066	0.028	14107	0.031	0.077	0.018				
11/7/2002	14218	0.011	0.238	0.002	14107	0.008	0.011	0.007				
11/8/2002	14218	0.028	0.077	0.016	14107	0.069	1.592	0.014				
11/9/2002	14218	0.025	0.065	0.015	14107	0.027	0.148	0.014				
11/11/2002	14218	0.026	0.043	0.020	14107	0.019	0.051	0.014				
11/12/2002	14218	0.025	0.065	0.015	14107	0.020	0.055	0.012				
11/13/2002	14218	0.06	0.142	0.042	14107	0.048	0.084	0.029				
11/14/2002	14218	0.032	0.075	0.020	14107	0.033	0.233	0.017				
11/15/2002	Data not collected				14107	0.029	0.237	0.020				
11/18/2002	14218	0.027	0.041	0.020	14107	0.018	0.065	0.012				
11/19/2002	14218	0.043	0.095	0.027	14107	0.030	0.043	0.019				
11/20/2002	14218	0.047	0.060	0.039	14107	0.029	0.653	0.022				
11/21/2002	14218	0.069	0.131	0.044	14107	0.047	0.160	0.028				
12/3/2002	14218	0.014	0.022	0.011	14107	0.011	0.113	0.006				
12/4/2002	14218	0.023	0.137	0.012	14107	0.015	0.040	0.008				
12/5/2002	14218	0.045	0.297	0.023	14107	0.035	0.073	0.016				
12/6/2002	14218	0.061	0.088	0.052	14107	0.041	0.091	0.032				
12/10/2002	14218	0.042	0.054	0.036	14107	0.035	0.136	0.025				
12/11/2002	14218	0.065	0.092	0.045	14107	0.063	0.088	0.047				
12/16/2002	14218	0.017	0.034	0.009	14107	0.012	0.132	0.005				
12/17/2002	14218	0.018	0.027	0.013	14107	0.011	0.033	0.007				
12/18/2002	14218	0.033	0.056	0.016	14107	0.021	0.097	0.009				
12/19/2002	14218	0.046	0.063	0.036	14107	0.029	0.118	0.018				
12/20/2002	14218	0.048	0.071	0.029	14107	0.033	0.050	0.019				
12/21/2002	14218	0.013	0.095	0.005	14107	0.015	0.029	0.009				
1/9/2003	14218	0.009	0.016	0.002	Data not collected							
1/14/2003	14218	0.015	0.477	-0.002	Data not collected							
1/15/2003	14218	0.011	0.401	0.001	14107	0.020	0.228	0.007				
1/17/2003	14218	0.006	0.226	-0.004	14105	0.014	0.031	0.007				
2/6/2003	Data not collected				14218	0.020	0.024	0.015				
2/7/2003	Data not collected				14218	0.007	0.067	-0.001				
2/19/2003	14218	0.069	0.240	0.049	14105	0.075	0.188	0.058				
2/20/2003	14218	0.037	0.099	0.026	14105	0.037	0.099	0.026				
2/24/2003	14218	0.016	0.168	0.011	14105	0.023	0.046	0.019				
2/25/2003	14218	0.006	0.034	0.000	14105	0.016	0.075	0.011				
2/27/2003	14218	0.051	0.135	0.030	14105	0.054	0.132	0.036				
2/28/2003	14218	0.059	0.104	0.030	14105	0.065	0.115	0.036				
3/4/2003	14218	0.028	0.177	0.020	14105	0.036	0.049	0.028				
3/6/2003	14218	0.008	0.028	0.001	14105	0.021	0.059	0.011				
3/11/2003	14218	0.035	0.168	0.022	14105	0.061	1.609	0.028				
3/12/2003	14218	0.077	0.124	0.042	14105	0.079	0.106	0.048				
3/14/2003	14218	0.018	0.376	0.009	14105	0.030	0.047	0.021				
3/15/2003	14218	0.027	0.063	0.017	14105	0.036	0.076	0.027				
3/17/2003	14218	0.073	0.111	0.055	14105	0.073	0.116	0.059				
3/18/2003	14218	0.064	0.106	0.047	14105	0.068	0.117	0.047				

Prepared by: JK
Date: 1/8/04
Checked by:DT
Date:1/8/04

SCIENTECH, Inc.

Table 11
Summary of Air Particulate Monitoring Results
LEICA Inc.

Date	South Location				North Location				West Location			
	DustTrak Serial #	Avg. (mg/m^3)	Max. (mg/m^3)	Min. (mg/m^3)	DustTrak Serial #	Avg. (mg/m^3)	Max. (mg/m^3)	Min. (mg/m^3)	DustTrak Serial #	Avg. (mg/m^3)	Max. (mg/m^3)	Min. (mg/m^3)
	Airborne particulate action level = 0.15 mg/m^3 greater than background over a 15-minute averaging time period											
3/19/2003	14218	0.039	0.750	0.021					14105	0.089	0.361	0.057
3/20/2003	14218	0.016	0.031	0.008					14105	0.058	0.537	0.049
3/27/2003	14218	0.030	0.061	0.008					14105	0.069	0.086	0.044
3/28/2003	14218	0.020	0.061	0.014					14105	0.071	0.160	0.053
3/31/2003	Data not collected								14105	0.063	0.155	0.045
4/1/2003	14218	0.041	0.056	0.030					14105	0.077	0.240	0.063
4/2/2003	14218	0.104	0.157	0.061					14105	0.127	0.165	0.094
4/3/2003	14218	0.030	0.109	0.012					14105	0.059	0.088	0.045
4/11/2003	14218	0.034	1.410	0.003					Data not collected			
4/14/2003	14218	0.016	0.064	0.004					14105	0.039	0.728	0.030
4/15/2003	14218	0.048	0.358	0.032					14105	0.062	0.083	0.052
4/16/2003	14218	0.042	0.466	0.006					14105	0.054	0.112	0.029
4/17/2003	14218	0.045	6.866	0.004					14105	0.124	5.583	0.027
4/18/2003	14218	0.021	0.041	0.014					14105	0.042	0.077	0.035
4/21/2003	14218	0.032	0.046	0.021					14105	0.059	0.078	0.047
4/24/2003	14218	0.011	0.025	0.005					14105	0.035	0.041	0.030
4/25/2003	14218	0.021	0.075	0.012					Data not collected			
4/28/2003	14218	0.033	0.153	0.018					Data not collected			
4/29/2003	14218	0.015	1.001	0.001					14105	0.028	0.154	0.022
4/30/2003	14218	0.013	0.128	0.000					14105	0.032	0.222	0.021
5/1/2003	14218	0.058	0.275	0.012					14105	0.073	0.113	0.033
5/3/2003	14218	0.009	0.186	0.000					14105	0.039	0.079	0.022
5/5/2003	14218	0.022	0.077	0.007					14105	0.046	0.155	0.031
5/6/2003	14218	0.034	0.066	0.010					14105	0.057	0.085	0.034
5/8/2003	14218	0.028	0.319	0.004					14105	0.051	0.182	0.035
5/13/2003	14218	0.009	0.021	0.001					14105	0.036	0.051	0.027
5/14/2003	14218	0.015	0.059	0.001					14105	0.040	0.053	0.029
5/15/2003	14218	0.017	0.035	0.008					14105	0.041	0.080	0.034
5/19/2003	14218	0.019	0.086	0.010					14105	0.046	0.087	0.036
5/20/2003	14218	0.012	0.039	0.005					14105	0.036	0.060	0.030

Notes:

Airborne particulate action level = 0.15 mg/m^3 greater than background over a 15-minute averaging time period
Avg. = average value of 1-minute logging intervals recorded during sampling period
Max. = maximum 1-minute logging interval concentration recorded during sampling period
Min. = minimum 1-minute logging interval concentration recorded during sampling period
Shaded = Action level of 0.15 mg/m^3 over a 15-minute averaging time period was exceeded
South Location = DustTrak monitoring station located in south parking lot along fence line of residences on Rowan Road
North Location = DustTrak monitoring station located in paved area in between green storage building and the main building
West Location = DustTrak monitoring station located at western end of south parking lot

Prepared by: JK
Date: 9/9/03
Checked by: DT
Date: 9/9/03

SCIENTECH, Inc.

Table 12
Soil Stockpile September/October 2003
Re-Sampling Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs) Fill	Clay	Sandy Silt	Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-In-Action Levels	RCRA TCLP X 20
Lab Sample Number / Date Sampled / Soil Type				ug/kg	*ug/kg*	ug/kg	ug/l
Volatile Organic Compounds (ugkg)							
Acetone				160,000	*1,600,000*	7,800,000	NE
Benzene	232	87	116	10,000	*100,000*	22,000	10,000
Bromodichloromethane				15,000	*150,000*	10,000	NE
Bromoform				NE	*NE*	81,000	NE
Bromomethane				15,000	*150,000*	110,000	NE
2-Butanone (MEK)				36,000	*360,000*	47,000,000	4,000,000
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	NE
Carbon Tetrachloride				6,000	*60,000*	4,900	10,000
Chlorobenzene				6,000	*60,000*	1,600,000	2,000,000
Chloroethane				6,000	*60,000*	49,000	NE
Chloroform				6,000	*60 000*	100,000	120,000
Chloromethane				30,000	*300,000*	49,000	NE
Dibromochloromethane				NE	*NE*	7,600	NE
1,1-Dichloroethane	600	225	300	6,000	*60,000*	7,800,000	NE
1,2-Dichloroethane	280	105	140	6,000	*60,000*	7,000	10,000
1,1-Dichloroethene				6,000	*60,000*	1,100	14,000
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	NE
1,2,4-Trimethylbenzene				NE	*NE*	NE	NE
cis-1,2-Dichloroethene				NE	*NE*	780,000	NE
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	NE
1,2-Dichloropropane				18,000	*180,000*	9,400	NE
1,3,5-Trimethylbenzene				NE	*NE*	NE	NE
cis-1,3-Dichloropropene				18,000	*180,000*	NE	NE
trans-1,3-Dichloropropene				18,000	*180,000*	NE	NE
Ethylbenzene	22,000	8,250	11,000	10,000	*100,000*	7,800,000	NE
2-Hexanone				NE	*NE*	NE	NE
Isopropylbenzene				NE	*NE*	3,100,000	NE
Methylene Chloride	420	158	210	30,000	*300,000*	85,000	NE
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	NE
Naphthalene				5,600	*56,000*	310,000	NE
n-Butylbenzene				NE	*NE*	5,000	NE
n-Propylbenzene				NE	*NE*	NE	NE
p-Isopropyltoluene				NE	*NE*	NE	NE
sec-Butylbenzene				NE	*NE*	5,000	NE
Styrene				NE	*NE*	21,000	NE
tert-Butylbenzene				NE	*NE*		NE
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	NE
Tetrachloroethene				6,000	*60,000*	12,000	14,000
Toluene	6,000	2,250	3,000	10,000	*100,000*	16,000,000	NE
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	*60,000*	7,000,000	NE
1,1,2-Trichloroethane				6,000	*60,000*	11,000	NE
Trichloroethene	2,520	945	1,260	6,000	*60,000*	58,000	10,000
Vinyl Chloride	456	171	228	6,000	*60,000*	340 *	4,000
o-xylene	4800	1800	2400	30,000	*300,000*	160,000,000	NE
m&p-xylene						160,000,000	NE
Total VOCs	10,000			NE	NE	NE	NE
TCLP Vinyl Chloride (ug/l)	200 ug/l						
TCLP Trichloroethene (ug/l)	500 ug/l						
TCLP Lead (ug/l)	5000 ug/l						

ANALYTES	MP 1	PID 126	MP1-a	PID 159	NH-14	PID 115	NH14-a	PID 52.8	NH-15	PID 262	NH15-a	PID 104
Lab Sample Number	AD70544	Media Pile #1	SA01791-01	Media Pile 1, re-sampled	AD63822		SA01791-02	NH-14 re-sampled	AD63823		SA01791-03	NH-15 re-sampled
Date Sampled	2/27/2003		9/3/2003		1/14/2003	Drager Tube VC = >30	9/3/2003		1/14/2003	Drager Tube VC >30	9/3/2003	
Soil Type	Mixed		Mixed		Mixed	TCE = 80	Mixed		Mixed	TCE = 80	Mixed	
Volatile Organic Compounds (ugkg)												
Acetone	<3460	1,730	<1580	790	<1350	675	<1330	665	<3200	1,600	<1390	695
Benzene	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
Bromodichloromethane	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
Bromoform	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
Bromomethane	<346	173	<158	79	<90	45	<133	67	<320	160	<139	70
2-Butanone (MEK)	<1730	865	<789	395	<677	339	<663	332	<1600	800	<697	349
Carbon Disulfide	<865	433	<394	197	<338	169	<331	166	<800	400	<349	175
Carbon Tetrachloride	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
Chlorobenzene	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
Chloroethane	<346	173	<158	79	<135	68	<133	67	<320	160	<139	70
Chloroform	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
Chloromethane	<346	173	<158	79	<135	68	<133	67	<320	160	<139	70
Dibromochloromethane	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
1,1-Dichloroethane	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
1,2-Dichloroethane	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
1,1-Dichloroethene	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	83.6	83.6
1,2-Dichlorobenzene	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
1,2,4-Trimethylbenzene	1,900	1,900	561	561	730	730	121	121	2,300	2,300	654	654
cis-1,2-Dichloroethene	36,100	36,100	53,000	53,000	21,000	21,000	8,680	8,680	47,700	47,700	37,100	37,100
trans-1,2-Dichloroethene	380	380	486	486	200	200	<66.3	33	350	350	248	248
1,2-Dichloropropane	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
1,3,5-Trimethylbenzene	2,500	2,500	1,070	1,070	750	750	179	179	1,500	1,500	877	877
cis-1,3-Dichloropropene	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
trans-1,3-Dichloropropene	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
Ethylbenzene	4,000	4,000	1,400	1,400	1,100	1,100	243	243	2,700	2,700	1,020	1,020
2-Hexanone	<1730	865	<789	395	<677	339	<663	332	<1600	800	<697	349
Isopropylbenzene	680	680	278	278	81	81	<66.3	33	170	170	96.9	96.9
Methylene Chloride	<173	87	<789	395	<90	45	<663	332	<270	135	<697	349
4-Methyl-2-Pentanone (MIBK)	<1730	865	<789	395	<677	339	<663	332	<1600	800	<697	349
Naphthalene	2,000	2,000	809	809	370	370	151	151	680	680	429	429
n-Butylbenzene	470	470	207	207	270	270	<66.3	33	470	470	207	207
n-Propylbenzene	520	520	196	196	140	140	<66.3	33	280	280	129	129
p-Isopropyltoluene	650	650	320	320	170	170	<66.3	33	280	280	160	160
sec-Butylbenzene	240	240	99.4	99.4	77	77	<66.3	33	<160	80	76	76
Styrene	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
tert-Butylbenzene	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
1,1,2,2-Tetrachloroethane	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
Tetrachloroethene	<173	87	<78.9	39	340	340	<66.3	33	820	820	<69.7	35
Toluene	1,800	1,800	701	701	390	390	94.8	94.8	1,600	1,600	234	234
1,1,1-Trichloroethane	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
1,1,2-Trichloroethane	<173	87	<78.9	39	<67.7	34	<66.3	33	<160	80	<69.7	35
Trichloroethene	**63,800**	63,800	**1,220**	1,220	**62,200**	62,200	274	274	**68,900**	68,900	**1,220**	1,220
Vinyl Chloride	**850**	850	**1,220**	1,220	**260**	260	139	139	**3,000**	3,000	**549**	549
o-xylene	**16,700**	16,700	**6,080**	6,080	**4,000**	4,000	818	818	**8,400**	8,400	**3,170**	3,170
m&p-xylene	**15,400**	15,400	**5,310**	5,310	**6,000**	6,000	480	480	**17,600**	17,600	**3,160**	3,160
Total VOCs		155,083		76,548		100,806		14,398		163,365		52,548
TCLP Vinyl Chloride (ug/l)	NA		NA		17		NA		60		NA	
TCLP Trichloroethene (ug/l)	NA		9.5 **		2800		7.6 **		1200		8.4 **	
TCLP Lead (ug/l)	4,420		NA		NA		NA		NA		NA	

NOTES:
Bold: Analyte detected was above the given action level.
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained In" Action Level
NE = No Standard Established
J = Estimated Value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL
* Vinyl chloride is a daughter product and the Contained-In threshhold does not apply, it will only be necessary to ensure that concentrations of vinyl chloride are below minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb)
** TCLP analysis was run after reviewing total VOC data

Prepared by: JK
Date: 9/9/03
Checked by: DT
Date: 9/9/03

SCIENTECH, Inc.

Table 12
Soil Stockpile September/October 2003
Re-Sampling Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-In-Action Levels	RCRA TCLP X 20	NH-17	PID 137	NH17-a	PID 342	NH-18a	PID 321	NH18A-a	PID 132	NH-32	PID 47.8	NH32-a	PID 132
Lab Sample Number	Fill	Clay	Sandy Silt					AD64573		SA01791-04	NH-17 re-sampled	AD70542	NH-18 split and re-sampled	SA01791-05	NH-18a re-sampled	AD73578		SA01791-08	NH-32 re-sampled
Date Sampled:				ug/kg	ug/kg	ug/kg	ug/l	1/17/2003	Drager Tube VC >30	9/3/2003		2/27/2003		9/3/2003		3/19/2003	Drager Tube VC > 30	9/3/2003	
Soil Type								Mixed	TCE <150	Mixed		Mixed		Mixed		Mixed	TCE > 250	Mixed	
Volatile Organic Compounds (ugkg)																			
Acetone				160,000	*1,600,000*	7,800,000	NE	<2940	1,470	<1290	645	<3060	1,530	<1220	610	<1660	830	<1700	850
Benzene	232	87	116	10,000	*100,000*	22,000	10,000	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	<84.8	42
Bromodichloromethane				15,000	*150,000*	10,000	NE	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	<84.8	42
Bromoform				NE	*NE*	81,000	NE	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	<84.8	42
Bromomethane				15,000	*150,000*	110,000	NE	<294	147	<129	65	306	306	<122	61	<200	100	<170	85
2-Butanone (MEK)				36,000	*360,000*	47,000,000	4,000,000	<1470	735	<646	323	<1530	765	<612	306	<830	415	<848	424
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	NE	<735	368	<323	162	<765	383	<306	153	<415	208	<424	212
Carbon Tetrachloride				6,000	*60,000*	4,900	10,000	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	<84.8	42
Chlorobenzene				6,000	*60,000*	1,600,000	2,000,000	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	<84.8	42
Chloroethane				6,000	*60,000*	49,000	NE	<294	147	<129	65	<306	153	<122	61	<166	83	<170	85
Chloroform				6,000	*60,000*	100,000	120,000	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	<84.8	42
Chloromethane				30,000	*300,000*	49,000	NE	<294	147	<129	65	<306	153	<122	61	<166	83	<170	85
Dibromochloromethane				NE	*NE*	7,600	NE	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	<84.8	42
1,1-Dichloroethane	600	225	300	6,000	*80,000*	7,800,000	NE	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	<84.8	42
1,2-Dichloroethane	280	105	140	6,000	*60,000*	7,000	10,000	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	<84.8	42
1,1-Dichloroethene				6,000	*60,000*	1,100	14,000	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	125	125
1,2-Dichlorobenzene				6,000	*80,000*	7,800,000	NE	<147	74	<64.6	32	<153	77	<61.2	31	450	450	675	675
1,2,4-Trimethylbenzene				NE	*NE*	NE	NE	620	620	65.9	65.9	5,300	5,300	235	235	910	910	954	954
cis-1,2-Dichloroethene				NE	*NE*	780,000	NE	13,000	13,000	6,080	6,080	42,500	42,500	2,810	2,810	13,200	13,200	48,500	48,500
trans-1,2-Dichloroethene				30,000	*300,000*	1,800,000	NE	<147	74	65.9	65.9	440	440	<61.2	31	<83.0	42	175	175
1,2-Dichloropropane				18,000	*180,000*	9,400	NE	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	<84.8	42
1,3,5-Trimethylbenzene				NE	*NE*	NE	NE	410	410	151	151	3,400	3,400	333	333	500	500	530	530
cis-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	<84.8	42
trans-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	<84.8	42
Ethylbenzene	22,000	8,250	11,000	10,000	*100,000*	7,800,000	NE	990	990	154	154	**10,700**	10,700	190	190	1,100	1,100	1,100	1,100
2-Hexanone				NE	*NE*	NE	NE	<1470	735	<646	323	<1530	765	<612	306	<830	415	<848	424
Isopropylbenzene				NE	*NE*	3,100,000	NE	<147	74	<64.6	32	760	760	<61.2	31	95	95	108	108
Methylene Chloride	420	158	210	30,000	*300,000*	85,000	NE	<180	90	<646	323	<153	77	<612	306	<83.0	42	<848	424
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	NE	<1470	735	<646	323	<1530	765	<612	306	<830	415	<848	424
Naphthalene				5,600	*56,000*	310,000	NE	300	300	87.2	87.2	3,500	3,500	<61.2	31	290	290	514	514
n-Butylbenzene				NE	*NE*	5,000	NE	200	200	<64.6	32	910	910	68.5	68.5	230	230	236	236
n-Propylbenzene				NE	*NE*	NE	NE	<147	74	<64.6	32	930	930	<61.2	31	140	140	158	158
p-Isopropyltoluene				NE	*NE*	NE	NE	<147	74	<64.6	32	750	750	86.9	86.9	160	160	236	236
sec-Butylbenzene				NE	*NE*	5,000	NE	<147	74	<64.6	32	480	480	<61.2	31	84	84	103	103
Styrene				NE	*NE*	21,000	NE	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	<84.8	42
tert-Butylbenzene				NE	*NE*		NE	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	<84.8	42
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	NE	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	<84.8	42
Tetrachloroethene				6,000	*60,000*	12,000	14,000	550	550	<64.6	32	<153	77	<61.2	31	630	630	114	114
Toluene	6,000	2,250	3,000	10,000	*100,000*	16,000,000	NE	1,300	1,300	<64.6	32	**3,200**	3,200	63.6	63.6	380	380	399	399
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	*60,000*	7,000,000	NE	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	<84.8	42
1,1,2-Trichloroethane				6,000	*80,000*	11,000	NE	<147	74	<64.6	32	<153	77	<61.2	31	<83.0	42	<84.8	42
Trichloroethene	2,520	945	1,260	6,000	*60,000*	88,000	10,000	***67,900***	67,900	267	267	**28,400**	28,400	**1,260**	1,260	***64,800***	64,800	**1,650**	1,650
Vinyl Chloride	456	171	228	6,000	*60,000*	340 *	4,000	<147	74	101	101	**4,500**	4,500	84.5	84.5	**1,000**	1,000	**564**	564
o-xylene	4800	1800	2400	30,000	*300,000*	160,000,000	NE	**2,900**	2,900	671	671	**30,300**	30,300	902	902	**2,500**	2,500	**1,800**	1,800
m&p-xylene						160,000,000	NE	**6,100**	6,100	422	422	**63,800**	63,800	497	497	**5,600**	5,600	**4,260**	4,260
Total VOCs	10,000			NE	NE	NE	NE		100,681		11,197		206,296		9,466		95,448		65,935
TCLP Vinyl Chloride (ug/l)	200 ug/l							<10		NA		NA		< 5.0 **		NA		NA	
TCLP Trichloroethene (ug/l)	500 ug/l							1200		< 5.0 **		NA		64 **		NA		11.3 **	
TCLP Lead (ug/l)	5000 ug/l							NA		NA		NA		NA		NA		NA	

NOTES:
Bold: Analyte detected was above the given action level
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained In" Action Level
NE = No Standard Established
J = Estimated Value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL
* Vinyl chloride is a daughter product and the Contained-In threshhold does not apply, it will only be necessary to ensure that concentrations of vinyl chloride are below minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb)
** TCLP analysis was run after reviewing total VOC data

Prepared by: JK
Date: 9/9/03
Checked by: DT
Date: 9/9/03

SCIENTECH, Inc.

Table 12
Soil Stockpile September/October 2003
Re-Sampling Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-in-Action Levels	RCRA TCLP X 20	NH-55	PID 99.6	NH55-a	PID 145	NH-67	PID 154	NH67-a	PID 114	PL-1	PID 25.4	Group E	PID 1191
Lab Sample Number:	Fill	Clay	Sandy Silt					AD86381		SA01791-06	NH-55 re-sampled for TCLP Vinyl chloride	AD88129		SA01791-07	NH-67 re-sampled for TCLP TCE	SA01791-09	Parking lot scrapings and dewatering tank sediment	SA03624-01	Group E is MP2, MP3, MP6 and MP8 consolidated
Date Sampled:				ug/kg	*ug/kg*	ug/kg	ug/l	5/15/2003		9/3/2003		5/22/2003		9/3/2003		9/3/2003		10/14/2003	
Soil Type								Mixed		Mixed		Mixed		Mixed		Mixed		Mixed	
Volatile Organic Compounds (ugkg)																			
Acetone				160,000	*1,600,000*	7,800,000	NE	<6500	3,250	NA	NA	<1310	655	NA	NA	<1330	665	<2900	1,450
Benzene	232	87	116	10,000	*100,000*	22,000	10,000	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
Bromodichloromethane				15,000	*150,000*	10,000	NE	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
Bromoform				NE	*NE*	81,000	NE	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
Bromomethane				15,000	*150,000*	110,000	NE	<650	325	NA	NA	<131	66	NA	NA	<133	67	<290	145
2-Butanone (MEK)				36,000	*360,000*	47,000,000	4,000,000	<3250	1,625	NA	NA	<653	327	NA	NA	<667	334	<1450	725
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	NE	<1630	815	NA	NA	<326	163	NA	NA	<334	167	<726	363
Carbon Tetrachloride				6,000	*60,000*	4,900	10,000	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
Chlorobenzene				6,000	*60,000*	1,600,000	2,000,000	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	1,460	1,460
Chloroethane				6,000	*60,000*	49,000	NE	<650	325	NA	NA	<131	66	NA	NA	<133	67	<290	145
Chloroform				6,000	*60,000*	100,000	120,000	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
Chloromethane				30,000	*300,000*	49,000	NE	<650	325	NA	NA	<131	66	NA	NA	<133	67	<290	145
Dibromochloromethane				NE	*NE*	7,600	NE	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
1,1-Dichloroethane	600	225	300	6,000	*60,000*	7,800,000	NE	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
1,2-Dichloroethane	280	105	140	6,000	*60,000*	7,000	10,000	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
1,1-Dichloroethene				6,000	*60,000*	1,100	14,000	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	NE	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	2,260	2,260
1,2,4-Trimethylbenzene				NE	*NE*	NE	NE	4,300	4,300	NA	NA	590	590	NA	NA	73.4	73.4	544	544
cis-1,2-Dichloroethene				NE	*NE*	780,000	NE	7,400	7,400	NA	NA	7,500	7,500	NA	NA	1,450	1,450	108,000	108,000
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	NE	<325	163	NA	NA	73	73	NA	NA	<66.7	33	884	884
1,2-Dichloropropane				18,000	*180,000*	9,400	NE	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
1,3,5-Trimethylbenzene				NE	*NE*	NE	NE	2,400	2,400	NA	NA	370	370	NA	NA	<66.7	33	1,080	1,080
cis-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
trans-1,3-Dichloropropene				18,000	*180,000*	NE	NE	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
Ethylbenzene	22,000	8,250	11,000	10,000	*100,000*	7,800,000	NE	4,700	4,700	NA	NA	720	720	NA	NA	74.7	74.7	1,960	1,960
2-Hexanone				NE	*NE*	NE	NE	<3250	1,625	NA	NA	<653	327	NA	NA	<667	334	<1450	725
Isopropylbenzene				NE	*NE*	3,100,000	NE	370	370	NA	NA	<65.3	33	NA	NA	<66.7	33	302	302
Methylene Chloride	420	158	210	30,000	*300,000*	85,000	NE	<1630	815	NA	NA	<326	163	NA	NA	<667	334	<1450	725
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	NE	<3250	1,625	NA	NA	<653	327	NA	NA	<667	334	<1450	725
Naphthalene				5,600	*56,000*	310,000	NE	**10,900**	10,900	NA	NA	270	270	NA	NA	100	100	849	849
n-Butylbenzene				NE	*NE*	5,000	NE	660	660	NA	NA	<65.3	33	NA	NA	<66.7	33	241	241
n-Propylbenzene				NE	*NE*	NE	NE	510	510	NA	NA	78	78	NA	NA	<66.7	33	251	251
p-Isopropyltoluene				NE	*NE*	NE	NE	400	400	NA	NA	<65.3	33	NA	NA	<66.7	33	331	331
sec-Butylbenzene				NE	*NE*	5,000	NE	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
Styrene				NE	*NE*	21,000	NE	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
tert-Butylbenzene				NE	*NE*		NE	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	NE	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
Tetrachloroethene				6,000	*60,000*	12,000	14,000	<325	163	NA	NA	500	500	NA	NA	<66.7	33	<145	73
Toluene	6,000	2,250	3,000	10,000	*100,000*	18,000,000	NE	1,200	1,200	NA	NA	210	210	NA	NA	<66.7	33	973	973
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	*60,000*	7,000,000	NE	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
1,1,2-Trichloroethane				6,000	*60,000*	11,000	NE	<325	163	NA	NA	<65.3	33	NA	NA	<66.7	33	<145	73
Trichloroethene	2,520	945	1,260	6,000	*60,000*	58,000	10,000	**1,700**	1,700	NA	NA	**27,000**	27,000	NA	NA	883	883	653	653
Vinyl Chloride	456	171	228	6,000	*60,000*	340 *	4,000	**6,700**	6,700	NA	NA	<65.3	33	NA	NA	<66.7	33	**3,850**	3,850
o-xylene	4800	1800	2400	30,000	*300,000*	160,000,000	NE	**12,800**	12,800	NA	NA	**2,600**	2,600	NA	NA	97.4	97.4	**8,160**	8,160
m&p-xylene						160,000,000	NE	**33,900**	33,900	NA	NA	**4,900**	4,900	NA	NA	213	213	**5,480**	5,480
Total VOCs		10,000		NE	NE	NE	NE		102,245				47,752				6,224		143,804
TCLP Vinyl Chloride (ug/l)		200 ug/l						NA		<5.0		NA		NA		NA		NA	
TCLP Trichloroethene (ug/l)		500 ug/l						NA		NA		NA		117		NA		NA	
TCLP Lead (ug/l)		5000 ug/l						NA		NA		NA		NA		877		NA	

NOTES:

Bold: Analyte detected was above the given action level.

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

* Vinyl chloride is a daughter product and the Contained-In threshold does not apply. It will only be necessary to ensure that concentrations of vinyl chloride are below minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb).

** TCLP analysis was run after reviewing total VOC data

Prepared by: JK
Date: 12/30/03
Checked by:2/04
Date:RM

SCIENTECH, Inc.

Table 13

Summary of Final Disposition of Excavated Soils

LEICA Inc.

Dates of material transportation off-site	Disposal Site	Soil Stockpile ID	Estimated Quantity (tons)
11/27/2002	Modern Corporation Modern Landfill Model City, New York	NH-1 & NH-2	52.5
		NH-3	195
		NH-6	217
		Estimated total	**464.5**
		Actual total	**365.32**
12/16/2002	Modern Corporation Modern Landfill Model City, New York	NH-9	350
		Estimated total	**350**
		Actual total	**334.89**
1/8/2003 - 1/9/2003	Modern Corporation Modern Landfill Model City, New York	NH-11	145
		NH-12	115
		NH-13	340
		Estimated total	**600**
		Actual total	**705.16**
2/6/2003 - 2/7/2003	Modern Corporation Modern Landfill Model City, New York	NH-5c	60
		NH-7a	22
		NH-10a	120
		NH-10b	120
		NH-16	60
		NH-20	180
		Estimated total	**562**
		Actual total	**570.67**
3/18/2003	Modern Corporation Modern Landfill Model City, New York	NH-8a	138
		NH-8b	138
		NH-8c	138
		NH-18b	97.5
		MP-10	189
		Estimated total	**700.5**
		Actual total	**440.78**
3/28/2003	Modern Corporation Modern Landfill Model City, New York	Treatment pile 1 (TP1)	748
		NH-4b	52
		NH-7b	22
		Estimated total	**822**
		Actual total	**517.02**
3/31/2003	Modern Corporation Modern Landfill Model City, New York	NH-27	125
		NH-28	140
		NH-29	95
		NH-30	140
		NH-31	57
		Estimated total	**557**
		Actual total	**555.29**

Prepared by: JK
Date: 12/30/03
Checked by:2/04
Date:RM

SCIENTECH, Inc.

Table 13
Summary of Final Disposition of Excavated Soils
LEICA Inc.

Dates of material transportation off-site	Disposal Site	Soil Stockpile ID	Estimated Quantity (tons)
10/14/2003	Modern Corporation Modern Landfill Model City, New York	NH-50	73
		NH-54	111
		NH-61	77
		NH-62	102
		NH-63	116
		NH-64	182
		Estimated total	**661**
		Actual total	**648.28**
10/15/2003	Modern Corporation Modern Landfill Model City, New York	NH-35	65
		NH-36	65
		NH-37	65
		NH-38	65
		NH-39	65
		NH-40	65
		NH-41	65
		NH-42	65
		NH-45	93
		NH-59	70
		NH-60	83
		MP-9b	100
		Estimated total	**866**
		Actual total	**674.54**
10/16/2003	Modern Corporation Modern Landfill Model City, New York	NH-17	160
		NH-32	144
		NH-33	69
		NH-49	73
		NH-52	93
		NH-53	85
		NH-58	140
		NH-66	92
		NH-67	134
		MP-5	90
		Estimated total	**1080**
		Actual total	**906.93**
10/17/2003	Modern Corporation Modern Landfill Model City, New York	NH-14	106
		NH-15	75
		NH-18a	97.5
		NH-24	112
		NH-47	73
		NH-51	93
		NH-55	92
		NH-56	96
		NH-65	133
		Estimated total	**877.5**
		Actual total	**639.51**
10/20/2003	Modern Corporation Modern Landfill Model City, New York	NH-4a	52
		NH-5a	60
		NH-5b	60
		MP-1a	173
		Estimated total	**345**
		Actual total	**310.76**

Prepared by: JK
Date: 12/30/03
Checked by:2/04
Date:RM

SCIENTECH, Inc.

Table 13

Summary of Final Disposition of Excavated Soils

LEICA Inc.

Dates of material transportation off-site	Disposal Site	Soil Stockpile ID	Estimated Quantity (tons)
10/21/2003	Modern Corporation Modern Landfill Model City, New York	PL-1	3
		NH-26	180
		Estimated total	**183**
		Actual total	**97.05**
11/6/2003 & 11/24/2003	CWM Chemical Services Model City, New York	MP-2	173
		MP-3	90
		MP-6	105
		MP-8	75
		MP-9	90
		Estimated total	**533**
		Actual total	**400.48**
1/14/2004 - 1/16/2004	Clean Harbors Environmental Services, Inc. Canadian Waste Services, Inc. Sarnia Landfill, Canada	NH-23	112
		NH-25	112
		SCP-1	45
		SCP-2	60
		MP-4	90
		MP-7	105
		Estimated total	**524**
		Actual total	**469.44**
Excavated material with VOC concentrations below the RAOs and approved by NYSDEC Region 9 to be used as backfill in the excavation in Area C.		NH-34	21
		NH-43	65
		NH-44	93
		NH-46	93
		NH-48	73
		NH-57	125
		Estimated total	**470**

	Estimated Total Tonnage	Actual Total Tonnage
Modern Landfill	**8068.5**	**6766.2**
CWM Landfill	**533**	**400.48**
Sarnia Landfill	**524**	**469.44**
Excavated material approved for backfill [1]	**470**	**470**
Total Tonnage	**9595.5**	**8106.12**

Notes:

Estimated total = field measurements of soil stockpiles

Actual total = Sum of tonnage for each truckload based on actual weights provided by certified scales at each landfill.

[1] = Weight of excavated material approved for backfill is only a field estimate.

Appendix C

Correspondence

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue, Buffalo, New York, 14203-2999
Phone: (716) 851-7220 • **FAX:** (716) 851-7226
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

July 30, 2002

Mr. Rick Dufour
Leica, Inc.
3364 Walden Avenue
Depew, New York 14043

Dear Mr. Dufour:

Status Report (April-May 2002)
Leica Site
Cheektowaga (T), Erie County
Site No. 915156

The New York Department of Environmental Conservation (DEC) and New York Department of Health (DOH) has completed a review of the Status Report (April-May 2002) that was received from your engineering consultant Scientech dated June 18, 2002.

The status report presents a summary of the closeout sampling activities for Areas A and B on the Site and recommends that the Airsparge/SVE system in these areas be discontinued. The Department concurs with this recommendation. It is understood that the groundwater collection system in Area B will continue to operate.

If you have any questions, please contact the writer at (716) 851-7220.

Sincerely,

Gregory P. Sutton, P.E.
Project Engineer
Division of Environmental Remediation

GPS:sz

cc: Mr. Martin Doster - NYSDEC, DHWR
Mr. Cameron O'Connor - NYSDOH
Robert McPeak, Jr., P.E. - Scientech, Inc.

SCIENTECH

February 24, 2003
Ref. No. 31128-001

Mr. Gregory P. Sutton, P.E.
Project Manager
New York State Department of Environmental Conservation, Region 9
270 Michigan Avenue
Buffalo, New York 14203-2999

Re: Supplemental Soil Removal Work Plan Revisions
Leica, Inc. Site; Erie County, Cheektowaga, NY
Inactive Hazardous Waste Disposal Site No. 915156

Dear Mr. Sutton:

SCIENTECH, Inc. (SCIENTECH) is currently in the process of implementing Supplemental Soil Removal activities at the referenced site in accordance with the plans submitted to the New York State Department of Environmental Conservation (NYSDEC) earlier this year. Original plans for excavation were specified in the Work Plan prepared by SCIENTECH and entitled Supplemental Soil Removal Remedial Action Plan dated August 2002. Additional information regarding the site location and description, past studies performed at the site and the design, installation and operation of the Air Sparging/Dual Vacuum Extraction (AS/DVE) system are provided in this Remedial Action Plan.

SCIENTECH initiated these Supplemental Soil Removal activities at the facility on October 30, 2002. Work has progressed essentially according to these approved plans with exceptions that related to the discovery and removal of quantities of contaminated material which were greater than expected as well as the discovery of unexpected containers buried at the site. As a result of these discoveries, SCIENTECH is currently planning to implement adjustments to the original Work Plan. This document is intended to provide detail regarding the current site conditions and describe the adjustments in the plan that will address these changing site conditions.

SOIL EXCAVATION PROGRESS TO DATE

To date, SCIENTECH field crews have excavated more than 5,300 tons of contaminated soil and other media at the site. Excavations are complete in grid areas C12, C21, C31, C32, C44, C45 and C51. Additional material will be removed from Grid areas C22 and C33 in the near future.

To date, approximately 1,970 tons of excavated contaminated soil have been tested and subsequently transported to the Modern Landfill facility in Model City, NY. Approximately 1,200 tons of material have been tested and are now staged on site. Some of this soil is awaiting treatment in an Air Sparge/Soil Vapor Extraction (AS/SVE) treatment pile and some will be transported directly to Modern landfill for disposal without treatment. An additional 1,400 tons of contaminated soil and waste containers are now staged on site awaiting sampling and eventual disposal or on-site treatment depending on analytical results. The treatment pile also contains an

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additional 800 tons of material. These current quantities do not include the soil still remaining in Grid areas C22 and C33. A summary of these quantities is included in Table 1.

SCIENTECH has also proceeded with backfilling operations whenever possible during the past three months. Confirmation sample results have been transmitted to NYSDEC representatives on a regular basis. Following review of these results and confirmation by NYSDEC representatives that contaminant concentrations in remaining soils are below the Remedial Action Objectives (RAOs), SCIENTECH has proceeded with backfilling operations in the area. To date, excavation areas C12, C21, C22, C31, C32, C33, C44, C45 and C51 have been completely or partially backfilled.

On-site treatment operations are also underway. An AS/SVE treatment pile was constructed essentially in accordance with the original work plan and has been operating since about January 31, 2002. Variations from the original plan include the incorporation of additional contaminated soil and additional sparge and vacuum piping in the treatment pile.

CHANGES IN THE PROJECT SCOPE

Additional Soil Excavation

Investigations performed in 2002 provided samples from each grid zone at the site which represent a surface area of approximately 900 square feet. Of the 45 or more grid zones tested, laboratory results indicated that only nine areas contained soils with contaminant concentrations above the site RAOs; therefore, the original Supplemental Soil Removal Plan anticipated the removal of soils from those nine specific grid zones within Area C at the site. Removal of approximately 30 tons of material from each of these nine areas was estimated.

Actual quantities excavated have differed from those expected. To date SCIENTECH has completed excavation in seven of the nine grid areas and begun excavation in the last two areas. Approximately 5,300 tons of material have been excavated from these areas to date.

Contaminated Media Containers

While excavating soils in the vicinity of Grids C22 and C32, field crews uncovered a number of small cylindrical cardboard containers which were buried in the soil beneath the parking area. The containers, which were approximately ten inches in diameter and twelve inches long, were thought to contain spent polishing media which was used to polish glass lenses at the facility in the past. The containers and media were intermingled with soil and other debris such as wood, glass lenses and ash. Many of the containers were damaged and the contents distributed in the soil. Approximately 1,400 tons of waste containers/media and associated soil were excavated.

Based on knowledge of former processes, the media was thought to contain concentrations of lead due to the presence of leaded glass in the media. Additional TCLP analysis of the polishing media confirmed that it contained elevated concentrations of lead. Planning for additional sampling and eventual disposal of this material is presented in the following sections.

Additional On-Site Treatment

The original on-site treatment pile was designed to hold approximately 450 tons of contaminated soil. The original pile dimensions have been expanded to accommodate up to approximately 800 tons of material; however, this is still not large enough to accommodate all of the material which must be treated on site. Based on current figures at least 650 tons of additional material will need to be treated in on-site treatment piles. In order to accommodate this additional material, an additional treatment pile will be constructed on the site. Planning for this additional treatment pile is presented in the following sections.

WORK PLAN REVISIONS

Excavation operations at the Leica site uncovered additional quantities of soil with contaminant concentrations above the Remedial Action Objectives (RAOs). These additional quantities facilitated the need for minor revisions to the original remedial work plans. Revisions to the original plans include: the use of additional soil staging areas needed to accommodate increased volumes of contaminated soils; the use of additional soil screening techniques needed to detect vinyl chlorides; handling and sampling of contaminated media containers; additional on-site treatment soil pile operation and sampling; and revisions to the health and safety monitoring.

Additional Soil Staging

Original work plans called for the use of two or three soil staging areas which were surrounded by soil berms. Based on the discovery of additional quantities of contaminated soil and media, additional staging areas were needed. These supplemental staging areas were constructed in a manner similar to those presented in the original plan. All excavated contaminated materials were staged in stock piles contained within bermed areas and the piles were regularly covered with polyethylene sheeting in order to minimize distribution of soil particles. Soil was staged in these bermed areas until laboratory results were available to confirm that the material was in compliance with TAGM contained-in concentrations and acceptable for disposal at the non-hazardous landfill. Material was transported to Modern Landfill in Model City, NY.

Supplemental Field Screening

Although not originally included in the Soil Removal Work Plan, SCIENTECH made extensive use of Drager Tube field screening methods during the excavation operation. The NYSDEC TAGM contained-in threshold for Vinyl Chloride is particularly low at a maximum concentration of 340 ug/Kg. Although photoionization detectors (PIDs) provide useful information regarding the total relative concentrations of volatile organics in the excavated soils, they do not distinguish individual volatile organic constituents. SCIENTECH field representatives made extensive use of Drager tube analysis in the field in order to segregate materials that would not be acceptable to the landfill based on the contained-in thresholds for vinyl chloride. Excavated material which contained high concentrations of vinyl chlorides based on Drager Tube results were segregated into separated piles anticipating that on-site treatment would be required.

Contaminated Polishing Media and Containers

There is currently one stockpile (CM-1) at the site which contains a significant quantity of media and containers. This pile contains an estimated total volume of 550 tons of soil and contaminated media and containers. Current estimates suggest that approximately 30% of the material in this pile is contaminated media and containers.

There are four additional piles (total volume is approximately 800 tons) which contain relatively insignificant (less than 5% by volume) numbers of contaminated media and containers. Containers were segregated from these four piles during the excavation operation.

There are also two segregated piles originating from an excavation that contained polishing media, one containing media and containers and the other containing soil. These piles originated from an original pile that contained approximately 112 tons of soil and contaminated media. They are now segregated into a 75 ton soil pile and a 37 ton contaminated media pile.

SCIENTECH proposes the following activities to address these piles containing media containers. SCIENTECH will utilize an excavator and segregate the contaminated media and associated containers from Pile CM-1. Cardboard media containers and large chunks of solidified polishing media will be segregated from the pile into a single separate pile containing mostly media and containers. Once the segregation is completed, all of the segregated media and containers will be composited into a single pile. The residual soils will be left in separate piles and will not be composited. We anticipate that the media container pile will be made up of approximately 80% containers and media and the remaining six soil piles will consist of less than 5% media and containers.

Following completion of this segregation operation, two types of piles will then remain; a single pile with media and containers and six residual soil piles. Sampling of these segregated piles will be completed as follows.

Two composite samples will be collected from the single media and container pile. Sampling will be performed using the protocols currently in use at the site for sampling staged soils. The pile will be opened using the excavator and composite material will be collected from nine locations along the exposed faces. Sampling personnel will attempt to place representative volumes of media soil and other observed material into the composite samples.

Two composites will also be collected from each of the remaining residual soil piles. Each pile will be opened using the excavator and composite material will be collected from nine locations along the exposed faces. Sampling personnel will attempt to place representative volumes of media soil and other observed material into the composite samples.

All samples will be submitted to Spectrum Analytical for analysis. Of the two samples collected from each pile, one sample will be analyzed for the presence of leachable 8 RCRA metals using the Toxicity Characteristic Leaching Procedure (TCLP), and the other will be analyzed for total Volatile Organic Compounds using EPA method 8260. Additional sample material will be collected and transmitted to the laboratory. In the event that initial results indicate the material is hazardous we will perform additional testing in order to meet the analytical requirements of the hazardous waste landfill. If the material does not fail TCLP metals analysis and VOCs are below

TAGM contained in levels, the leachablity of TCE and vinyl chloride will be confirmed using the 20 times dilution rule or TCLP analysis as appropriate before transport to Modern Landfill.

The sample scheduled for lead analysis will be well mixed in the field to ensure a proper composite of media and soil. The samples scheduled for VOC analysis will be mixed at the laboratory in order to reduce volatilization of contaminants as much as possible. A summary of revised sampling procedures and data analysis approach is included in Table 2.

Final disposition of this material will be dependent on laboratory results. Options now under consideration include hazardous waste disposal, non-hazardous waste disposal and on-site treatment.

Additional On-Site Treatment

The original plans included the use of a single on-site soil treatment pile which was designed to accommodate approximately 300 tons of material. Based on the discovery of additional quantities of contaminated material, and more particularly the discovery of areas with unexpected elevated concentrations of vinyl chloride which frequently precludes non-hazardous disposal due to it's extremely low TAGM contained-in threshold of 340 ppb, additional quantities of material will need to be treated on site. Approximately 800 tons of material are currently in treatment and at least 650 tons of material will need to be treated in the future. Final quantity estimates will be dependant on the results of future laboratory analyses.

We have secured authorization from Samson Distributors to locate a second treatment pile area in the parking area to the north and east of the current trailer location. The new treatment pile will be constructed in manner essentially similar to the current pile. The pile will contain piping designed to supply feed air from one blower and draw air from the pile through the second vacuum blower. We are planning to begin construction on the new pile within the next month. Treatment of material in the pile should begin within the next two months.

Although the second treatment pile will be able to accommodate a large quantity of material, it may not have sufficient capacity to hold the remaining material needing on-site treatment including the material still to be excavated from Grid areas C22 and C33. Once both piles are filled, any additional material will be staged on site awaiting release of the material from one of the piles. Once the release is obtained for either of the active piles, and the treated material is removed from the pile, a second batch of material will be placed in this treatment pile. This batching process will continue in both piles until treatment of all the material requiring on-site treatment is completed.

On-Site Treatment Pile Sampling

Protocols for collection of samples after treatment from the current treatment pile will be similar to those used to collect the samples from the original treatment pile on September 4, 2002. Borings will be advanced into the treatment pile at five separate locations using a hydraulic augering device. The five locations will be selected from the top of the pile randomly. This augering method will be used in order to minimize the damage to system components so that if the laboratory results indicate the system must continue operating, extensive repairs will not be necessary. Sample material will be collected with the use of a split spoon or bucket auger. Equal amounts of soil will be collected from each auger hole at depths of three feet and six feet from the top of the pile and composited into a single sample jar. All five composite samples will be submitted to the laboratory and analyzed first for, total VOCs. If sample concentrations are below the RAOs the material may be used on site as fill. If the concentrations are above the RAOs, but below the contained in TAGM concentrations, the leachability of TCE and vinyl chloride will be confirmed using the 20 times dilution rule or TCLP analysis as appropriate before transport to Modern Landfill. If sample concentrations are above the TCLP thresholds or are above the contained in TAGM concentrations, treatment will continue.

A separate sampling protocol will be used to collect samples from treatment piles with soils that have failed NYSDEC contained-in TAGMS and/or TCE and vinyl chloride TCLP analysis. Borings will be advanced into the pile at nine separate locations. Sample material will be collected with the use of a split spoon or bucket auger. Equal amounts of soil will be collected from each auger hole at depths of three feet and six feet from the top of the pile and composited into a single sample jar. All nine composite samples will be submitted to the laboratory and analyzed first for, total VOCs. If sample concentrations are below the RAOs the material may be used on site as fill. If the concentrations are above the RAOs, but below the contained in TAGM concentrations, the leachability of TCE and vinyl chloride will be confirmed using the 20 times dilution rule or TCLP analysis as appropriate before transport to Modern Landfill. If sample concentrations are above the TCLP thresholds or are above the contained in TAGM concentrations, treatment will continue.

A summary of revised sampling procedures and data analysis approach is included in Table 2.

Health and Safety Air Monitoring

The original Health and Safety Plan included continuous monitoring of the air passing the site boundary for the presence of particulates. Remedial Action Plans called for site boundary monitoring with the use of DustTrak monitoring devices. During remedial activities in early January the local temperatures in Cheektowaga dropped below 10^0 F. The DustTrak manufacturer's recommendations suggest that these instruments will operate successfully at temperatures below 32^0 F. After experiencing problems with the operation of the instruments at these low temperatures, monitoring operations were discontinued until warmer temperature would permit successful operation. Particulate monitoring was discontinued from January 20 through February 5. A continuous snow cover during this period and discontinuation of any contaminated soil moving activities ensured that there were no significant releases of contaminated particulates at the site. In spite of these monitoring problems, at no time during the soil removal/handling activities has soil been excavated or moved without the presence of operational DustTrak monitoring equipment.

We anticipate these plan revisions will meet with your approval. If you have any questions please feel free to call me at 860-210-3063 or email me at rmcpeak@scientech.com. We are currently scheduling treatment pile sampling for next week.

Sincerely,
SCIENTECH, Inc.

Robert E. McPeak, Jr., P.E., LEP
Department Manager
Environmental Services

cc: M. Wood
G. Hollerbach

TABLE 1 Leica Eggert Road Soil quantity summary (in tons) as of 2/17/03				
	Portion known to need on site treatment based on current lab results	Portion suspected to need on site treatment but still awaiting testing	Portion expected to go directly to Modern but still awaiting testing	Total Tons
Soil already transported to disposal	NA	NA	NA	1970
Soil Staged on site not excavated from area with media containers	515	135	550	1200
Soil and media containers excavated from container area and staged on site	Unknown	Unknown	Unknown	1400
Soil in current treatment pile	800	NA	NA	800

NA = Not applicable

TABLE 2
Updated Sampling procedures
Leica Eggert Road Facility

Media Type	Pile Volume Range	No. Samples	Compositing	Collection Method	Analyses to be requested	Analysis of data
Normal Soil Pile	50 to 200 CY	1	Each sample composited with representative material from 9 locations	open face in pile with excavator and trowel material into jar	VOCs by 8260, TCLP for TCE and VC	Each parameters in single sample compared to standards
Treatment pile with no TCLP exceedances	500 CY	5	Each sample contains material from 2 vertical intervals in the pile	drill into top of pile at each of 5 locations using auger to depths of 3 and 6 feet, collect material using split spoon or bucket auger at 3 and 6 feet, composite material	VOCs by 8260, TCLP TCE and VC if required	Average of each parameter from all 5 samples compared with standards
Treatment pile with TCLP exceedances	500 CY	9	Each sample contains material from 2 vertical intervals in the pile	drill into top of pile at each of 9 locations using auger to depths of 3 and 6 feet, collect material using split spoon or bucket auger at 3 and 6 feet, composite material	VOCs by 8260, TCLP TCE and VC if required	Statistical analysis of each parameter from all 9 samples with 80% UCL compared to standards
Soil containing polishing media containers [1]	50 to 200 CY	2	Each sample composited with representative material from 9 locations	open face in pile with excavator and trowel material into jar [2]	1 sample: TCLP 8 RCRA metals, 1 sample: VOCs by 8260, TCLP for TCE and VC if required	All parameters in single sample compared to standards

Notes
1. Polishing media containers and associated media will be segregated from soil before sample collection
2. Extra sample material will be collected. If sample is hazardous based on initial analysis, additional landfill required analyses will be performed.

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue, Buffalo, New York, 14203-2999
Phone: (716) 851-7220 • **FAX:** (716) 851-7226
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

March 5, 2003

Mr. Mark Wood, Director of Finance
Leica, Inc.
3362 Walden Avenue
Depew, NY 14043

Dear Mr. Wood:

Supplemental Soil Removal Work Plan Revisions
Leica Site
Cheektowaga(T), Erie County
Site No. 915156

The New York State Department of Environmental Conservation and New York State Department of Health has completed a review of the report entitled "Revisions to the Supplemental Soil Removal Remedial Action Work Plan for the Leica, Inc. Site, Cheektowaga, New York", prepared by Scientech, Inc., dated February 24, 2002. The revised plan was prepared to address previously unknown waste containing high concentrations of lead that was excavated on the property.

Based on our review, the revised plan is acceptable. As noted with Mr. Robert McPeak, due to the variability of the soil and fill, the Department reserves the right to request changes to the sampling work plan based on the subsurface conditions encountered during the excavation work..

If you have any questions, please contact me at the above number.

Sincerely,

Gregory P. Sutton, P.E.
Project Engineer
Division of Environmental Remediation

cc: Mr. Martin Doster, NYSDEC-Buffalo
Mr. Cameron O'Connor - NYSDOH - Buffalo
Mr. Robert McPeak, Jr., - Scientech, Inc.

New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials
Bureau of Hazardous Waste and Radiation Management
625 Broadway, Albany, NY 12233-7258
Phone:(518) 402-8594 • **FAX:**(518) 402-8646
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

November 4, 2003

Robert McPeak
SCIENTECH, Inc.
143 West Street
New Milford, CT 06776

Re: Contained-In Determination for Excavated Soils
Leica Eggert road site Cheektowaga, NY

Dear Mr. McPeak:

We have completed our review of the "contained-in" determination submitted November 3, 2003 for the referenced project.

Concentrations detected for individual VOCs were all significantly less than their current "contained-in" soil action levels and met Land Disposal Restriction (LDRs) requirements. Soils excavated (treatment Pile 1, soil stockpiles and environmental media piles) from the Leica Eggert road site in Cheektowaga, NY do not have to be managed as hazardous waste and can be transported off-site to Modern Landfill in Model City, NY.

Should you have any questions regarding this decision, please do not hesitate to contact Henry Wilkie of my staff at (518) 402-8594.

Sincerely,

Henry Wilkie
Environmental Engineer 1
Hazardous Waste Engineering Eastern Section

cc: D. Evans
G Sutton, Region 9
J Strictland, Region 9

Post-it® Fax Note 7671		Date	# of pages ▶ 1
To Robert McPeak		From HENRY WILKIE	
Co./Dept. SCIENTECH		Co. (518) 402-8594	
Phone #		Phone #	
Fax # 860-210-3015		Fax #	

New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials
Bureau of Hazardous Waste and Radiation Management
625 Broadway, Albany, NY 12233-7258
Phone:(518) 402-8594 • **FAX:**(518) 402-8646
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

November 5, 2003

Robert McPeak
SCIENTECH, Inc.
143 West Street
New Milford, CT 06776

Re: Contained-In Determination for Excavated Soils (**REVISED**)
Leica Eggert road site Cheektowaga, NY

Dear Mr. McPeak:

We have completed our review of the "contained-in" determination submitted November 3, 2003 for the referenced project.

Concentrations detected for individual VOCs were all significantly less than their current "contained-in" soil action levels and met Land Disposal Restriction (LDR) requirements. Soils excavated (treatment Pile 1, soil stockpiles and environmental media piles) from the Leica Eggert road site in Cheektowaga, NY do not have to be managed as hazardous waste and can be transported off-site to Modern Landfill in Model City, NY or to the CWM Model City Landfill in Model City, NY.

Should you have any questions regarding this decision, please do not hesitate to contact Henry Wilkie of my staff at (518) 402-8594.

Sincerely,

Daniel J. Evans
Chief
Hazardous Waste Engineering Eastern Section

cc: G Sutton, Region 9
J Strickland, Region 9

Post-it® Fax Note 7671	Date 11/5/03 # of pages ▶ 1
To Bob McPeak	From Dan Evans
Co./Dept. Scientech	Co. NYSDEC
Phone # (860) 210-3063	Phone # (518) 402-8594
Fax # (860) 210-3055	Fax #

Robert McPeak

From: Gregory Sutton [gpsutton@gw.dec.state.ny.us]

Sent: Thursday, November 13, 2003 10:20 AM

To: rmcpeak@scientech.com

Subject: Re: FW: Model City disposal

Bob
Yes you have properly interpreted my response. The Department concurs that Leica has achieved the remedial goals and that the excavation may be backfilled. Please let me know Wayne's schedule for the backfilling when you have finalized it.
Thanks
Greg

Gregory P. Sutton, P.E.
Environmental Engineer II
NYSDEC - Region 9
Division of Environmental Remediation
270 Michigan Ave.
Buffalo, New York 14203
Phone: (716)851-7220
Fax: (716)851-7226
e-mail: gpsutton@gw.dec.state.ny.us

>>> "Robert McPeak" <rmcpeak@scientech.com> 11/13/03 09:29AM >>>

-----Original Message-----
From: Robert McPeak [mailto:rmcpeak@scientech.com]
Sent: Thursday, November 13, 2003 9:20 AM
To: rmcpeak@scientech.com
Cc: Jeff Kronick; George Hollerbach; George Hollerbach Qntm; Mark Wood; Russ Downey
Subject: RE: Model City disposal

Our client is ready to backfill the excavation. Before beginning this operation, we thought it would be a good idea to make one final check to confirm that you agree that the excavation is complete based on the confirmation data and the visual observation of bedrock in those areas where samples could not be taken on the floor of the excavation due to the presence of bedrock. I went back to your email correspondence dated June 2 2003. You wrote "based on these results I concur". Although my previous email was not attached to this response, we understood that you were indicating your agreement that the excavation effort at the site was complete and that confirmation samples indicated that concentrations of VOCs in the remaining soils were below the RAOs. Based on this understanding of your response, we are planning to proceed with the backfilling of the remainder of the excavation as soon as possible. Please feel free to call me if you have any questions.

> -----Original Message-----
> **From:** Robert McPeak [mailto:rmcpeak@scientech.com]
> **Sent:** Friday, November 07, 2003 4:01 PM
> **To:** Gregory Sutton
> **Cc:** Russ Downey; Mark Wood; Jeff Kronick; George Hollerbach
> **Subject:** RE: Model City disposal
>
> We are currently talking about backfilling options and hope to complete this operation within the next two weeks. Final report is now in draft form, but obviously needs the information regarding backfilling before

completion. I need to discuss what the client wants to do about the meeting before responding with a commitment to this question.

-----Original Message-----
From: Gregory Sutton [mailto:gpsutton@gw.dec.state.ny.us]
Sent: Friday, November 07, 2003 3:12 PM
To: rmcpeak@Scientech.com
Subject: Re: Model City disposal

Thanks for the update
Do you have a schedule for completion of the remaining site work (backfill) and submission of a final remedial report? You had also mentioned a meeting with the company to discuss long term operation of the GW system. Is that still on the horizon?

Gregory P. Sutton, P.E.
Environmental Engineer II
NYSDEC - Region 9
Division of Environmental Remediation
270 Michigan Ave.
Buffalo, New York 14203
Phone: (716)851-7220
Fax: (716)851-7226
e-mail: gpsutton@gw.dec.state.ny.us

>>> "Robert McPeak" <rmcpeak@scientech.com> 11/07/03 02:45PM >>>
Just wanted to drop you a note to let you know that we successfully transported 3 loads to Model City on Thursday for stabilization testing. Model City reps. have already been in touch to discuss arrangements to transport the remaining material, so the mix was apparently successful. We will hopefully be scheduling transportation of the rest of the material for some time next week; coordinating the operation with the loading of material going to Canada. Please feel free to call me if you have any questions.

Robert McPeak

From: Gregory Sutton [gpsutton@gw.dec.state.ny.us]
Sent: Tuesday, December 03, 2002 1:44 PM
To: rmcpeak@scientech.com
Subject: Re: Leica excavation confirmation data Status Report as of12-2-02

I agree with your observations. Area C45 and most of C44 can be backfilled at this time. While the east and south ends of C21 appear to be RAOs the adjacent face to C31 still requires excavation. I would hold off backfilling this area until C31 work is complete.

Greg

>>> "Robert McPeak" <rmcpeak@scientech.com> 12/02/02 05:57PM >>>
Enclosed is the current information. In the next report I will add the soil
staging pile disposal confirmation sampling information to the summary sheet. You will note that excavations in areas C21 and C45 are complete.
Could you please provide confirmation that we may close these holes. Also
you will note that areas C31 and C44 have only one remaining face requiring
additional excavation. We will be working during the next several days to
close these two excavations and others as well.

Robert McPeak

From: Gregory Sutton [gpsutton@gw.dec.state.ny.us]
Sent: Friday, December 20, 2002 7:43 AM
To: rmcpeak@scientech.com
Subject: RE: Most recent data (second try)

Bob
It worked!
The data looks good I'll let Wayne know he can backfill C44 if he needs to.
Greg

>>> "Robert McPeak" <rmcpeak@scientech.com> 12/19/02 01:05PM >>>
I will have someone send it to you direct from our copier.

-----Original Message-----
From: Gregory Sutton [mailto:gpsutton@gw.dec.state.ny.us]
Sent: Thursday, December 19, 2002 11:14 AM
To: rmcpeak@scientech.com
Subject: Re: Most recent data (second try)

Bob
I still can't read the file. There is something wrong with the file format its self. I get a error message that reads " insufficient data
for image"
Try rescanning the document to a pdf format and resending it.
Thanks
Greg

>>> "Robert McPeak" <rmcpeak@scientech.com> 12/18/02 02:38PM >>>
Here it is again.
...

..
.

Robert McPeak

From: Gregory Sutton [gpsutton@gw.dec.state.ny.us]
Sent: Friday, January 10, 2003 7:49 AM
To: rmcpeak@scientech.com
Subject: RE: Most recent excavation confirmation data

You are correct unless you see any problems.

>>> "Robert McPeak" <rmcpeak@scientech.com> 01/09/03 04:22PM >>>
Just wanted to have a confirmation on record. Based on your conversations with Wayne at the site today, we understand that the data for C31 and the west face if C44 are also acceptable and you have approved backfilling of these areas. Wayne will begin this backfilling tomorrow morning. Thanks.

-----Original Message-----
From: Gregory Sutton [mailto:gpsutton@gw.dec.state.ny.us]
Sent: Wednesday, January 08, 2003 3:23 PM
To: rmcpeak@scientech.com
Subject: Re: Most recent excavation confirmation data

Bob

Got it. I discussed data with Wayne and approved Test Pit 3 area (C51, C61 & C71) for backfill.

In the future when you send data could you let me know what new sample points have been added to the spread sheet?

Thanks

Greg

Gregory P. Sutton, P.E.
Environmental Engineer II
NYSDEC - Region 9
Division of Environmental Remediation
270 Michigan Ave.
Buffalo, New York 14203
Phone: (716)851-7220
Fax: (716)851-7226
e-mail: gpsutton@gw.dec.state.ny.us
...

..
.

Robert McPeak

From: Robert McPeak [rmcpeak@scientech.com]
Sent: Thursday, May 29, 2003 4:12 PM
To: Greg Sutton
Cc: George Hollerbach; George Hollerbach Qntm; Mark Wood; Russ Downey
Subject: Last samples

AD88127-30SCIENTECH5-23-03.doc...

Enclosed are the last samples taken on Thursday of last week. Based on these results, which are all below the respective criteria, the excavation operations are complete.

Robert McPeak

From: Gregory Sutton [gpsutton@gw.dec.state.ny.us]
Sent: Monday, June 02, 2003 3:01 PM
To: rmcpeak@scientech.com
Subject: Re: Excavation backfilling

Bob
I concur with your conclusions regarding the bedrock that your field staff adequately determined that competent rock was encountered and that no further excavation of soil was possible. Any soil the remained would be considered deminimus. You are also correct that the only item that needs to be included in the pilot test proposal is the details on the documentation monitoring requirements.
Greg

>>> "Robert McPeak" <rmcpeak@scientech.com> 06/02/03 01:15PM >>>
Based on your response dated today, June 2, 2003, regarding the final excavation confirmation samples, we understand that you agree that the results are in compliance with the RAOs and the excavation is now complete. We are now planning to initiate backfilling of the excavation in this southern area in the vicinity of grid zones C11, C12, C13, and areas to the south; however, one final portion of the excavation has not yet been confirmed in writing. Much of the soil in this area was removed to the bedrock, and as a result we do not have floor confirmation samples. Our field notes contain numerous entries that explain the various ways in which our field crew demonstrated the presence of bedrock at the floor of the excavation including visual observations, and pounding the rock with the excavator bucket. The field notes also contain entries which indicate your concurrence that the soil was excavated to competent bedrock in these areas where floor samples were not collected. Before beginning the backfilling operation in this area, I thought it would be appropriate to reconfirm these conclusions in a written form. Could you please respond to this email and indicate your concurrence that in those areas without floor samples the soil was excavated to competent bedrock.
Also, I will be finalizing the plan for the pilot test today. I called to confirm that the Attachment about the TO-14 VOC sampling and analysis was the only addition needed to complete the proposed plan. Let me know if this is correct. Thanks.

Appendix D

Data Usability Summary Report

Data Validation Services
120 Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone (518) 251-4429
Facsimile (518) 251-4428

LETTER OF TRANSMITTAL

TO: Robert McPeak

COMPANY: Scientech, Inc.

FROM: Judy Harry

DATE: 04-22-04

ENCLOSED: DUSR for the Leica site

With qualified tables

COMMENTS: as emailed and discussed

Ship via: US Express__X__ UPS _____ US Priority____Fed Ex____Other ___

Data Validation Services
120 Cobble Creek Road P. O. Box 208
North Creek, N. Y. 12853
Phone 518-251-4429
Facsimile 518-251-4428

April 21, 2004

Robert McPeak
Scientech, Inc.
143 West St.
New Milford, CT 06776

RE: **D**ata **U**sability **S**ummary **R**eport for Leica Inc. site

Dear Mr. McPeak:

Review has been completed for selected data packages generated by Spectrum Analytical, Inc. that pertain to soil samples collected at the Leica, Inc. site. This report covers seventy two samples (reported in twenty nine laboratory data packages) that were collected 10/31/02 through 5/29/03. The samples were analyzed for volatiles by USEPA method 8260B. The project field blank and trip blanks that were reported in those data packages were also reviewed.

This usability report is primarily generated from review of the QC summary form information provided in the data packages and laboratory resubmissions, with full review of sample raw data, and limited review of associated QC raw data. Validation has been performed in accordance with the NYSDEC DUSR 9/97 Guidance document. The data have been reviewed for application of validation qualifiers, per the USEPA Region 2 validation SOPs and the USEPA National Functional Guidelines for Data Review, as affects the usability of the sample data. The following items were reviewed:

* Custody Documentation
* Holding Times
* Surrogate Standard Recoveries
* Preparation/Calibration Blanks
* Matrix Spike Recoveries and Duplicate Correlations
* Laboratory Control Samples
* Instrumental Tunes
* Internal Standard Responses
* Calibration Standard Performance
* Instrument IDLs

Those items listed above that show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review.

In summary, the sample detected concentrations are accepted as reported, or with minor qualification of values as estimated, with the exception that an analyte result in one sample is edited to nondetection. Reporting limits in the samples are also accepted as reported, or with qualification as estimated, with the exceptions that those for seven samples were adjusted upward, and that some of the reporting limits are qualified as estimated. The samples do not show a matrix effect on target analyte recoveries. All data are usable as reported or usable with minor qualification of results as estimated, with the exception that the results for 2-butanone in two of the samples are rejected due to instrument performance. Certain noncompliant processing issues were noted, some of which resulted in minor qualification of results as estimated.

The samples undergoing validation are listed on the attached summary. Data packages contain data for additional samples that were not reviewed. References made to qualifications in the following text are applicable to the validated samples.

Copies of the resubmission communications are attached to this text, and should be reviewed in conjunction with this report. Included with this submission are red-ink edited hardcopies of client results tables, reflecting qualifications to data noted within this report.

The following text discusses quality control issues of concern.

TCL VOA Analyses by EPA 8260B

Sample holding times were met, and surrogate and internal standard responses were acceptable. , Instrument tunes meet protocol requirements Matrix spikes of NH-37, C34-N5-7, C12-SW2-5-7 and batch QC show acceptable accuracy and precision for the five analytes evaluated.

The method blank associated with sample C12-SW2a,1-4 shows (compliant) low level toluene detection with response similar to that of the sample at instrument level. The laboratory elevated the reporting limit of toluene in that method blank to be above the detected level in that blank (as it did with other low level method and trip blank contaminants). In accordance with the required deliverables, the blank concentrations should have been reported, and the associated sample detection flagged as "B". The toluene detection in that sample has been edited to reflect nondetection ("<") at the originally reported concentration (thus producing an elevated reporting limit), due to potential contamination contribution to the sample detection.

Many of the trip blanks show low level contamination of analytes chloroform and bromodichloromethane. These compounds were not detected in the validated samples.

Samples C45-BM-12.5 and C44-E1b-2-4 were processed twelve minutes and thirty six minutes, respectively, beyond the allowable 12 hour timeframe from the previous continuing calibration standard. Results for those samples are qualified as estimated ("J" qualifier). The bias is not expected to be great.

Some of the sample detections reflect responses that are below the established linear range of the instrument. These values have been qualified as estimated ("J") on the attached forms.

Reporting limits for the following samples were below those levels established by calibration standard concentrations. These have been reported upward by a factor of two: C12-SW1b 1-4, C12-SW3a 1-4, C22-SW1b 1-4, C12-SW-5-7, C12-SW-8-10, C22N 8-10, C22E 8-10

Due to lack of response in the associated continuing calibration standard, the result for 2-butanone in C44-E2a-2-4 is rejected ("R"), and not usable.

Due to very poor response in the associated continuing calibration standard (RRF of 0.004, 89%D), the result for 2-butanone in TP3-B1a-9 is rejected ("R"), and not usable.

The follow additional analytes exhibited outlying calibrations standard responses above 25% difference (%D). Results for the analytes in the indicated associated samples are qualified as estimated ("J"), with potential low biases generally not expected to exceed 30%:

- acetone in all samples due to low response factors.
- 2-butanone results in all the samples except TB3-W1-2, TP3-W2-2, TP3-B2-4.5, C45-BN-12, C45-BM-12.5, C33-Wa1-4, C33Ba-14, C22Ba-10, NH-34, C22-Wb,1-4, C12-SW2a, 1-4, C12- SEa,1,-4, NH-43, NH-44, C34-B1-12', C34-B2-12', C22-SWa-8', C22-W-5-7, C34-N 1-4, C34-N 5-7, NH-46, NH-48, C11-B4, C13-B10, and C12-B12 due to low response factors
- 1,1,2,2-tetrachloroethane and m,p-xylene results in C21 E-4 and C21-Bot-3 due to outlying associated continuing calibration standard (CCS) responses.
- chloroform in TB3-W1-2, TP3-W2-2, and TP3-B2-4.5 due to outlying associated (CCS) responses.
- methylene chloride in C44-B-4, C44-B1-4, C44-S1-1-3, C440S2-1-3, and C44-N2-3 due to outlying associated CCS responses.
- 2-hexanone and 4-methyl-2-pentanone in C31-B2-9 and C32-B1-4 due to outlying associated CCS responses.
- 2-hexanone in C22-B1, 12', C13-Wa, 5-7, C13-W, 8-10 due to outlying associated CCS responses.
- acetone, 2-hexanone, 4-methyl-2-pentanone, and 2-butanone in C33-Wa1-4 due to outlying associated CCS responses
- vinyl chloride has a potential high bias in BN-12 due to an elevated CCS response, and 4-methyl-2-pentanone has a low bias due to a low CCS response

The data provided for the 20 ppb continuing calibration standard (CCS) of 11/14/02 that preceded samples C44-B1-4, C44-S1-1-3, C44-S2-1-3, and C44-N2-3 were not provided, even in the resubmittals. Data accepted based upon 100 ppb CCS that preceded the samples and the 20 ppb LCS that followed the samples, but results are qualified as estimated ("J") in those samples.

The data provided for the 20 ppb continuing calibration standard (CCS) of 12/06/02 that preceded samples C44-EN2-4 and C44-N1a-2-4 were not provided, even in the resubmittals. Data for those are accepted based upon 20 ppb LCS that preceded the samples and the 100 ppb CCS that followed the samples, but results are qualified as estimated ("J") in those samples.

The CCS of 1/29/03 was misspiked at 10 ppb, rather than 20 ppb. There was no summary form showing variance (%D) provided, but the raw data show several analyte responses exceeding 30%D. The data for associated sample C12-TB13 are accepted based upon the 20 ppb LCS, but results are qualified as estimated ("UJ" and "J") in that sample.

The initial calibration standard determination performed 10/30/02 on HP2 incorporates a 50 ppb concentration standard processed the following day. The initial calibration standard curve should be generated in a consistent timeframe. No qualification is made to associated sample results.

Due to low recovery (64%) in the associated Laboratory Control Sample (LCS), the result for trans-1,3-dichloropropene is qualified as estimated ("UJ") in C33-Wa1-4, with a low bias.

Some of the Laboratory Control Samples processed during the duration of the project do not include evaluation of several of the target analytes. No qualification is made.

Many of the samples were processed at excessive dilution, resulting in elevated reporting limits, and in some cases detections close to instrument background.

The trip blank associated with the samples collected 12/4/02 was filled thirteen days before associated sample collection, and was analyzed two days beyond the allowable 14 day holding time from collection. The results for that blank are therefore considered estimated, with a low bias. This should have been acknowledged in the data package.

Data Completeness

The data packages were not generated in accordance with NYSDEC ASP Category B requirements. Several items (noted on the attached communications) were requested to allow for validation review, and to clarify the derivation of reported values. Those resubmitted summary forms and raw data items have been enclosed with the initially submitted packages. Data packages do not include the required laboratory case narrative (with "verbatim" statement), the NYSDEC Analytical Requirement/ID Summary forms, or several QC summary forms.

The samples were processed and reported in accordance with the laboratory SOP for volatile analysis. The algorithm for calculation provided in that SOP varies from that of protocol method EPA 8260B as it incorporates an additional correction for the sample moisture contribution to the final extract volume. This produces technically valid detected analyte concentration values that are generally 10% to 20% higher for these project samples than values generated from the protocol method algorithm.

Several of the data packages do not include the preparation and injection logs. These would be required for full validation. Sample weights needed for calculation verification were available on the laboratory routing sheets for the samples (exception that these sheets were not available for the package reporting samples collected 12/17/02.

A summary of the CCS variances from the expected response (summary Form 7 equivalent) were not provided for some of the CCSs; the raw data were reviewed for acceptability. Some of the surrogate recovery summary forms, and the laboratory acceptance ranges for those recoveries were also not provided.

Raw data for solids determinations were not provided, but would be requested for full validation.

Some of the laboratory receipt signatures on the custody forms do not include the year in the date entry.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,

Judy Harry

SAMPLE IDENTIFICATIONS

Excavation Confirmation Samples

Sample ID	Lab Sample Number	Date Sampled	Sample ID	Lab Sample Number	Date Sampled
C21 Bot-3'	AD49722	10/30/02	C12-TB 13	AD65685	1/23/03
C21 E-4'	AD 49721	10/30/02	C12-Eb1, 1-4	AD71328	3/5/03
C45-N-2.5	AD51479	11/6/02	C12-Eb2, 1-4	AD71329	3/5/03
C45-S-2.0	AD51480	11/6/02	C33-Wa, 1-4	AD72047	3/11/03
C45-W-2.5	AD51481	11/6/02	C33Ba-14	AD72488	3/13/03
C44-B-6.0'	AD51483	11/7/02	C22Ba-10	AD72490	3/13/03
C44-B-4'	AD51751	11/8/02	C33W, 8-10	AD76627	4/3/03
C44-B-4' (11-12-02)	AD52207	11/12/02	C22-Wb, 1-4	AD82613	4/30/03
C44-B1-4	AD52208	11/12/02	C12-SW2a,1-4	AD82616	4/30/03
C44-S1-1-3	AD52209	11/12/02	C12-SEa,1-4	AD82618	4/30/03
C44-S2-1-3	AD52210	11/12/02	C34-B1-12'	AD83593	5/2/03
C44-N2-3	AD52212	11/12/02	C34-B2-12'	AD83594	5/2/03
C31-B1-5	AD52695	11/13/02	C22-SWa-8	AD83596	5/5/03
C31-N1-2	AD52696	11/14/02	C22-W, 5-7'	AD83597	5/5/03
TP3-W1-2	AD53621	11/18/02	C34-N,1-4'	AD83598	5/5/03
TP3-B2-4.5	AD53625	11/18/02	C34-N,5-7'	AD83599	5/5/03
TP3-W2-2	AD53622	11/18/02	C11-B, 4	AD83919	5/6/03
C45-BN-12	AD54284	11/20/02	C13-B, 10	AD83920	5/6/03
C45-BM-12.5	AD54285	11/20/02	C12-B, 12	AD83922	5/6/03
C44-E2a-2-4	AD56903	12/4/02	C12-SW1b,1-4	AD86022	5/14/03
C44-EN-2-4	AD56901	12/4/02	C12-SW3a,1-4	AD86023	5/14/03
C44-N1a-2-4	AD56904	12/4/02	C22-SW1b,1-4	AD86024	5/14/03
C31-E1a 1-4	AD57440	12/5/02	C12-SW,5-7	AD86782	5/16/03
TP3-B1a-9	AD57442	12/6/02	C12-SW,8-10	AD86783	5/16/03
TP3-E1a 1-4	AD57441	12/6/02	C12-SW2, 5-7	AD87106	5/19/03
C44-E1b-2-4	AD59741	12/17/02	C12-SW2,8-10	AD87107	5/19/03
TP3-N1a, 1-4	AD59738	12/17/02	C12-Eb, 5-6	AD87434	5/20/03
TP3-N2a,1-4	AD59739	12/17/02	C12-Eb,7-9	AD87435	5/20/03
TP3-S1a,1-4	AD59740	12/17/02	C12-SE,5-7	AD87436	5/20/03
C31-B2-9	AD61079	12/20/02	C12-SE,8-10	AD87437	5/20/03
C32-B1-4	AD61080	12/21/02	C13-Wa,5-7	AD87779	5/21/03
C22-B1, 12	AD64569	1/17/03	C13-W,8-10	AD87780	5/21/03
			C22-E,8-10	AD88128	5/22/03
			C22-N,8-10	AD88127	5/22/03

Soil Stockpile Samples

NH-34	AD82350	4/29/03
NH-43	AD83590	5/2/03
NH-44	AD83591	5/2/03
NH-46	AD83600	5/5/03
NH-48	AD83602	5/5/03
NH-57	AD86383	5/15/03

RESUBMISSION COMMUNICATIONS

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone (518) 251-4429
Facsimile (518) 251-4428

February 10, 2004

Robert McPeak
Scientech. Inc.
143 West St.
New Milford, CR 06776

RE: Leica, Inc. site data validation

Dear Mr. McPeak:

The review of the data packages for the Leica site is in progress. The data packages are not in compliance with the NYSDEC ASP Category B deliverables, and several items are needed before the DUSR report can be generated. These are listed below in the priority required to determine if the results reported for the samples are usable. Although the ASP Form numbers are referenced, the format is not important, as long as the basic information included on those forms are provided. Unless noted otherwise, these items are needed for each of the data packages.

1. The summary Form 8 (internal standard responses).
2. BFB tune summary Form 5 and associated raw tune data for each analytical sequence, to include the fragmentation abundances, and analysis times of associated samples/QC
3. Spectra of detected analytes in the samples
4. Some of the packages do not contain the correct associated continuing calibration standard (CCS) summary Forms 7 and raw data (i.e. the data package for samples received on 12/7/03 does not include that for the 12/11 analysis (12/12 data **were** provided), although results for samples in that group were determined from that day's analysis. During the compilation of the information for the first three items above, please request that the lab verifies that the correct CCS data are there, and provide if not.

It would be most time efficient if the laboratory were to provide these items as they are generated so that my review can be done concurrently. In that the data packages are not assigned unique SDG numbers, and are not paginated, please request that the lab indicate clearly into which packages the resubmissions are to be incorporated (possibly by the first lab or client ID listed on the package cover pages.

Please do not hesitate to contact me if you wish clarification or discussion of these items.

Very truly yours,

Judy Harry

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

March 11, 2004

Robert McPeak
Scientech, Inc.
143 West Street
New Milford, Connecticut
06776

RE: 106 Leica Inc, Site Data Packages (October 31, 2002 – May 29, 2003)
Document No.: Corre1123

Dear Mr. McPeak,

This package contains the additional data requested by Ms. Judy Harry to complete the review for the Data Usability Summary Report (DUSR).

The contents of each package are outlined on the cover page. The packages contain the BFB tune summary page along with the system blank, the continuing calibration evaluation report along with the LCS and the CCC data, the volatile internal standard area and RT summary and a copy of the expanded sample data.

Hopefully this data will help put closure on this project.

If you should have further questions concerning the information provided, please do not hesitate to contact me.

Sincerely,

June B. O'Connor
Quality Assurance Officer

Data Validation Services

120 Cobble Creek Road   P. O. Box 208
North Creek, NY   12853
Phone (518) 251-4429
Facsimile (518) 251-4428

Facsimile Transmission

TO: Nichole Brown

COMPANY: Spectrum

FAX NUMBER: 413 789 4076

FROM: Judy Harry

DATE: 04-12-04

No. of pages (including cover): ~~4~~ 5

COMMENTS: RE: Scientech Leica project---example calculation:

Per our discussion, here is an example calculation for trichloroethene in sample AD54285, with quant report and initial cali attached.

$$\frac{36273 / 687599}{.534} \times 500\ ng \times \frac{10,000\ \mu l}{100\ \mu l} \times \frac{}{9.82\ g} \times \frac{}{.857} = 587\ ng/g\ \text{or}\ \mu g/kg$$

Analyte area → 36273; IS area → 687599; RRF → .534; IS amount on column ↑ 500 ng; Extract Total volume / Volume used ↑; Sample weight → 9.82 g; Solids ↓ .857

Reported 670 ug/kg

I find similar variance in all sample results that I try to derive. Please clarify. Thank you.

cc: Bob McPeak

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone (518) 251-4429
Facsimile (518) 251-4428

Facsimile Transmission

TO: Nichole Brown

COMPANY: Spectrum

FAX NUMBER: 413 789 4076

FROM: Judy Harry

DATE: 04-13-04

No. of pages (including cover): 1

COMMENTS: RE: Scientech Leica project

As a follow up to yesterday's request:

It is observed that the samples processed later in the project were analyzed by an updated analysis method. As with the other packages, the sample preparation is not readily evident as regards solvent volumes. In particular, please explain the prep for samples reported as low level soils, with minimal dilutions (i.e. sample AD82350). It is not clear what the reference of "R---" implies on the prep logs and acquisition files. Please clarify. Also, the "tracking forms" of the samples sometimes show two weights. Please discuss.

cc: Robert McPeak, Scientech

ACCREDITED IN ACCORDANCE WITH

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

FACSIMILE TRANSMITTAL

DATE: 04-13-04

COMPANY: Data Validation Services

FAX #: 518 251 4428

ATTN: Judy Harry

CC:

FROM: Chris Hall

 # OF PAGES: 2 (INCLUDING THIS COVER SHEET)

COMMENTS:

I hope this help's. Please feel free to call me with further inquiries @ 7895583 x 137

CONFIDENTIALITY STATEMENT

THANK YOU!

ENVIRONMENTAL ANALYSES

11 Almgren Drive • Agawam, Massachusetts 01001 • 1-800-789-9115 • 413-789-9018 • Fax 413-789-4076

Please Refert Section XV B. (Pg 22)

$$\frac{(36273 \times 100)}{(687599 \times 0.534)} = 9.87886 \text{ ug/L}$$

(TCE Area × IS Conc.) / (IS Area × Avg RF) = Concentration

Pg 23

Factor

$$F = \left(\frac{10 + (9.8233 - 8.418)}{8.418}\right) = 1.355 \times dF \times \text{original Conc.} = 669.293$$

(9.8233 = wet weight; 8.418 = Dry weight; Factor = 1.355; dF = Dilution factor (50); original Conc. (9.87886))

I believe that it is this compensation for moisture that is where the difference in concentration comes from.

Regards

Chris Hall

Lab. Manager

QUALIFIED RESULTS TABLES

Prepared by: JK
Date 7/28/03
Checked by: DT
Date 7/28/03

SCIENTECH, Inc.

Table 4
Confirmation Sampling Results, Excavation Area 2
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-In-Action Levels	C11-B, 4	PID 11.3	C12-TB 13	PID 58.4	C12-Eb1, 1-4	PID 10.0	C12-Eb2, 1-4	PID 36.6	C12-SW2a,1-4	PID 3.6	C12-SEa,1-4	PID 4.0
Lab Sample Number	Fill	Clay	Sandy Silt				AD83819		AD65685		AD71328		AD71329		AD82616 Resample for C12-SW2,1-4		AD82618 Resample for C12-SE, 1-4	
Date Sampled				ug/kg	ug/kg	ug/kg	5/6/03		1/23/03		3/5/03		3/5/03		4/30/03		4/30/03	
Soil Type							Clay		Fine sand		Fill		Fill		Fill		Fill	
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	*1,600,000*	7,800,000	<2360 J	1,180	<260 J	130	<1870 J	935	<1520 J	760	<100 J	50	<100 J	50
Benzene	**232**	**87**	**116**	10,000	*100,000*	22,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	11	11
Bromodichloromethane				15,000	*150,000*	10,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Bromoform				NE	*NE*	81,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Bromomethane				15,000	*150,000*	110,000	<238	118	<26.0	13	<187	94	<152	76	<10	5	<10	5
2-Butanone (MEK)				36,000	*360,000*	47,000,000	<1180	590	<130	65	<934 J	467	<762 J	381	<50	25	<50	25
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	<590	295	<65.0	33	<467	234	<381	191	<25	13	<25	13
Carbon Tetrachloride				6,000	*60,000*	4,900	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Chlorobenzene				6,000	*60,000*	1,600,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Chloroethane				6,000	*60,000*	49,000	<236	118	<26.0	13	<187	94	<152	76	<10	5	<10	5
Chloroform				6,000	*60,000*	100,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Chloromethane				30,000	*300,000*	49,000	<236	118	<26.0	13	<187	94	<152	76	<10	5	<10	5
Dibromochloromethane				NE	*NE*	7,600	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,1-Dichloroethane	**600**	**226**	**300**	6,000	*60,000*	7,800,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,2-Dichloroethane	**280**	**105**	**140**	6,000	*60,000*	7,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,1-Dichloroethene				6,000	*60,000*	1,100	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,2,4-Trimethylbenzene				NE	*NE*	NE	<118	59	<13.0	7	<93.4	47	<76.2	38	6	6	10	10
cis-1,2-Dichloroethene				NE	*NE*	780,000	<118	59	100	100	570	570	370	370	29	29	<10	5
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,2-Dichloropropane				18,000	*180,000*	9,400	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,3,5-Trimethylbenzene				NE	*NE*	NE	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
cis-1,3-Dichloropropene				18,000	*180,000*	NE	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
trans-1,3-Dichloropropene				18,000	*180,000*	NE	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Ethylbenzene	**22,000**	**8,250**	**11,000**	10,000	*100,000*	7,800,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
2-Hexanone				NE	*NE*	NE	<1180	590	<130	65	<934	467	<762	381	<50	25	<50	25
Isopropylbenzene				NE	*NE*	3,100,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Methylene Chloride	**420**	**158**	**210**	30,000	*300,000*	85,000	<150	75	<13.0	7	<220	110	<180	90	<5	3	<5	3
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	<1180	590	<130	65	<934	467	<762	381	<50	25	<50	25
Naphthalene				5,600	*56,000*	310,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
n-Butylbenzene				NE	*NE*	5,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
n-Propylbenzene				NE	*NE*	NE	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
p-Isopropyltoluene				NE	*NE*	NE	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
sec-Butylbenzene				NE	*NE*	5,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Styrene				NE	*NE*	21,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
tert-Butylbenzene				NE	*NE*		<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Tetrachloroethene				6,000	*60,000*	12,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Toluene	**6,000**	**2,250**	**3,000**	10,000	*100,000*	16,000,000	<118	59	<13.0	7	<93.4	47	<76.2	38	9.7	10	23	23
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,620**	6,000	*60,000*	7,000,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
1,1,2-Trichloroethane				6,000	*60,000*	11,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
Trichloroethene	**2,520**	**945**	**1,260**	6,000	*60,000*	58,000	310	310	14	14	310	310	<76.2	38	7.1	7	<10	5
Vinyl Chloride	**456**	**171**	**228**	6,000	*60,000*	340	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	<5	3
o-xylene	**4800**	**1800**	**2400**	30,000	*300,000*	160,000,000	<118	59	<13.0	7	<93.4	47	<76.2	38	<5	3	6.6	7
m&p-xylene						160,000,000	<236	118	<26.0	13	<187	94	<152	76	10	10	22	22
Total VOCs		10,000		NE	NE	NE		**6,108**		**746**		**5,476**		**4,163**		**294**		**310**

Notes:

Bold: Analyte detected above the given action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

NA = Not analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

Prepared by: JK
Date 7/28/03
Checked by DT
Date 7/28/03

SCIENTECH, Inc.

Table 4
Confirmation Sampling Results, Excavation Area 2
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-In-Action Levels	C12-B, 12	PID 21.6	C12-SW1b,1-4	PID 4.2	C12-SW3a,1-4	PID 8.6	C12-SW,5-7	PID 1.2	C12-SW,8-10	PID 2.0	C12-SW2, 5-7	PID 8.7
Lab Sample Number	Fill	Clay	Sandy Silt				AD83922		AD86022 Resample for C12-SW1a,1-4	*	AD86023 Resample for C12-SW3,1-4	*	AD86782	*	AD86783	*	AD87106	
Date Sampled				ug/kg	*ug/kg*	ug/kg	5/6/03		5/14/03		5/14/03		5/18/03		5/16/03		5/19/03	
Soil Type							Sandy/Silt		Fill		Fill		Clay		Sandy/Silt		Clay	
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	*1,600,000*	7,800,000	<3000 J	1,500	<1490 J	745	<1410 J	705	<1540 J	770	<1540 J	770	<1510 J	755
Benzene	**232**	**87**	**116**	10,000	*100,000*	22,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Bromodichloromethane				15,000	*150,000*	10,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Bromoform				NE	*NE*	81,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Bromomethane				15,000	*150,000*	110,000	<148	74	<149	75	<141	71	<154	77	<154	77	<151	76
2-Butanone (MEK)				36,000	*360,000*	47,000,000	<2000	1,000	<745 J	373	<705 J	353	<768 J	384	<769 J	385	<756 J	378
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	<370	185	<372	186	<352	176	<384	192	<384	192	<378	189
Carbon Tetrachloride				6,000	*60,000*	4,900	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Chlorobenzene				6,000	*60,000*	1,600,000	<74	37	<74.5	37	<70.5	35	<76.8	36	<76.9	38	<75.6	38
Chloroethane				6,000	*60,000*	49,000	<148	74	<149	75	<141	71	<154	77	<154	77	<151	76
Chloroform				6,000	*60,000*	100,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Chloromethane				30,000	*300,000*	49,000	<148	74	<149	75	<141	71	<154	77	<154	77	<151	76
Dibromochloromethane				NE	*NE*	7,600	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,1-Dichloroethane	**600**	**225**	**300**	6,000	*60,000*	7,800,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,2-Dichloroethane	**280**	**105**	**140**	6,000	*60,000*	7,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,1-Dichloroethene				6,000	*60,000*	1,100	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,2,4-Trimethylbenzene				NE	*NE*	NE	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
cis-1,2-Dichloroethene				NE	*NE*	780,000	1,000	1,000	<74.5	37	390	390	<76.8	38	110 J	110	520	520
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,2-Dichloropropane				18,000	*180,000*	9,400	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,3,5-Trimethylbenzene				NE	*NE*	NE	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
cis-1,3-Dichloropropene				18,000	*180,000*	NE	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
trans-1,3-Dichloropropene				18,000	*180,000*	NE	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Ethylbenzene	**22,000**	**8,250**	**11,000**	10,000	*100,000*	7,800,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
2-Hexanone				NE	*NE*	NE	<740	370	<745	373	<705	353	<768	384	<769	385	<756	378
Isopropylbenzene				NE	*NE*	3,100,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Methylene Chloride	**420**	**158**	**210**	30,000	*300,000*	85,000	<170	85	<510	255	<300	150	<384	192	<384	192	<378	189
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	<740	370	<745	373	<705	353	<768	384	<769	385	<756	378
Naphthalene				5,600	*56,000*	310,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
n-Butylbenzene				NE	*NE*	5,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
n-Propylbenzene				NE	*NE*	NE	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
p-Isopropyltoluene				NE	*NE*	NE	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
sec-Butylbenzene				NE	*NE*	5,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Styrene				NE	*NE*	21,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
tert-Butylbenzene				NE	*NE*		<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Tetrachloroethene				6,000	*60,000*	12,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
Toluene	**6,000**	**2,250**	**3,000**	10,000	*100,000*	16,000,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,620**	6,000	*60,000*	7,000,000	<74	37	<74.5	37	<70.5	35	<76.8	36	<76.9	38	<75.6	38
1,1,2-Trichloroethane				6,000	*60,000*	11,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	36
Trichloroethene	**2,520**	**945**	**1,260**	6,000	*60,000*	58,000	380	380	380	380	1,500	1,500	<76.8	38	<76.9	38	200	200
Vinyl Chloride	**456**	**171**	**228**	6,000	*60,000*	340	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
o-xylene	**4800**	**1800**	**2400**	30,000	*300,000*	150,000,000	<74	37	<74.5	37	<70.5	35	<76.8	38	<76.9	38	<75.6	38
m&p-xylene						150,000,000	<148	74	<149	75	<141	71	<154	77	<154	77	<151	76
Total VOCs		**10,000**		NE	NE	NE		**6,407**		**4,248**		**6,424**		**3,968**		**4,033**		**4,636**

Notes:

Bold: Analyte detected above the given action level
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained In" Action Level
NE = No Standard Established

NA = Not analyzed
J = Estimated Value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL

* multiply all "<" -values by 2
do not edit detected values for those samples

File: \\Nes-nt\Dept\DEPT020\31128-9(3947-8)-LEICA\DELV\DSGN\Excavation Data Data Validation
Sheet: Confirmation Samples-Ex Area 2

Prepared by JK
Date 7/28/03
Checked by DT
Date 7/28/03

SCIENTECH, Inc.

Table 4
Confirmation Sampling Results, Excavation Area 2
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-In-Action Levels	C12-SW2,8-10	PID 2.2	C12-Eb, 5-6	PID 2.5	C12-Eb,7-9	PID 3.4	C12-SE,5-7	PID 3.0	C12-SE,8-10	PID 14.1	C13-B, 10	PID 18.4
Lab Sample Number	Fill	Clay	Sandy Silt				AD87107		AD87434		AD87435		AD87436		AD87437		AD83920	
Date Sampled				ug/kg	ug/kg	ug/kg	5/19/03		5/20/03		5/20/03		5/20/03		5/20/03		5/6/03	
Soil Type							Sandy/Silt		Clay		Sandy/Silt		Clay		Sandy/Silt		Sandy/Silt	
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	1,600,000	7,800,000	<1130	565	<800	400	<820	410	<920	460	<1020	510	<1640	820
Benzene	232	87	116	10,000	100,000	22,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Bromodichloromethane				15,000	150,000	10,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Bromoform				NE	NE	81,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Bromomethane				15,000	150,000	110,000	<113	57	<80	40	<82	41	<92	46	<102	51	<164	82
2-Butanone (MEK)				36,000	360,000	47,000,000	<564	282	<400	200	<410	205	<460	230	<510	255	<820	410
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	<282	141	<200	100	<205	103	<230	115	<255	128	<410	205
Carbon Tetrachloride				6,000	60,000	4,900	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Chlorobenzene				6,000	60,000	1,600,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Chloroethane				6,000	60,000	48,000	<113	57	<80	40	<82	41	<92	45	<102	51	<164	82
Chloroform				6,000	60,000	100,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Chloromethane				30,000	300,000	49,000	<113	57	<80	40	<82	41	<92	46	<102	51	<164	82
Dibromochloromethane				NE	NE	7,600	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,1-Dichloroethane	600	226	300	6,000	60,000	7,800,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,1-Dichloroethene				6,000	60,000	1,100	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,2-Dichlorobenzene				6,000	60,000	7,800,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	330	330
1,2,4-Trimethylbenzene				NE	NE	NE	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
cis-1,2-Dichloroethene				NE	NE	780,000	200	200	<40	20	130	130	<46	23	<51	26	520	520
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,2-Dichloropropane				18,000	180,000	9,400	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,3,5-Trimethylbenzene				NE	NE	NE	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
cis-1,3-Dichloropropene				18,000	180,000	NE	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
trans-1,3-Dichloropropene				18,000	180,000	NE	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	<56.4	28	<40	20	<41	21	<46	23	160	160	<82	41
2-Hexanone				NE	NE	NE	<564	282	<400	200	<410	205	<460	230	<510	255	<820	410
Isopropylbenzene				NE	NE	3,100,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Methylene Chloride	420	158	210	30,000	300,000	85,000	<400	200	<200	100	<205	103	<230	115	<255	128	<100	50
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	<564	282	<400	200	<410	205	<460	230	<510	255	<820	410
Naphthalene				5,600	56,000	310,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
n-Butylbenzene				NE	NE	5,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
n-Propylbenzene				NE	NE	NE	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
p-Isopropyltoluene				NE	NE	NE	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
sec-Butylbenzene				NE	NE	5,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Styrene				NE	NE	21,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
tert-Butylbenzene				NE	NE		<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Tetrachloroethene				6,000	60,000	12,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
1,1,2-Trichloroethane				6,000	60,000	11,000	<56.4	28	<40	20	<41	21	<46	23	<51	26	<82	41
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	<56.4	28	52	52	<41	21	<46	23	<51	26	<82	41
Vinyl Chloride	456	171	228	6,000	60,000	340	<65	33	<40	20	<41	21	<46	23	<51	26	<82	41
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	<56.4	28	<40	20	<41	21	<46	23	110	110	<82	41
m&p-xylene						160,000,000	<113	57	<80	40	<82	41	<92	46	230	230	<164	82
Total VOCs		10,000		NE	NE	NE		3,141		2,092		2,221		2,369		3,026		4,836

Notes:

Bold: Analyte detected above the given action level
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS Contained In Action Level
NE = No Standard Established
NA = Not analyzed
J = Estimated Value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL

File: \\...\Dept\DEPT020\31128-9(3947-8)-LEICA\DELVDSGN\Excavation Data Data Validation
Sheet: Confirmation Samples-Ex Area 2

Prepared by:JK
Date:7/28/03
Checked by:DT
Date:7/28/03

SCIENTECH, Inc.

Table 4

Confirmation Sampling Results, Excavation Area 2

LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-In-Action Levels	C13-Wa,5-7	PID 5.1	C13-W,8-10	PID 8.2	C21-B, 3	PID 21.0	C21 E-4'	PID 26.0	C22-B1, 12	PID 15.1	C22Ba-10	PID 20.1
Lab Sample Number	Fill	Clay	Sandy Silt				AD87779		AD87780		AD49722		AD 49721		AD64569		AD72490	
Date Sampled				ug/kg	*ug/kg*	ug/kg	5/21/03		5/21/03		10/30/02		10/30/02		1/17/03		3/13/03	
Soil Type							Clay		Sandy/Silt		Clay		Clay		Gray Clay		Sand	
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	*1,600,000*	7,800,000	<1060 J	530	<1040 J	520	<364 J	182	<350 J	175	<240 J	120	<1,280 J	640
Benzene	**232**	**87**	**116**	10,000	*100,000*	22,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Bromodichloromethane				15,000	*150,000*	10,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Bromoform				NE	*NE*	81,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Bromomethane				15,000	*150,000*	110,000	<106	53	<104	52	<36.4	18	<35	18	<24.0	12	<128	64
2-Butanone (MEK)				36,000	*360,000*	47,000,000	<530 J	265	<520 J	260	<182 J	91	<175 J	88	<120 J	60	<640	320
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	<265	133	<260	130	<91	46	<87.5	44	<60	30	<320	160
Carbon Tetrachloride				6,000	*60,000*	4,900	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Chlorobenzene				6,000	*60,000*	1,600,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Chloroethane				6,000	*60,000*	49,000	<106	53	<104	52	<36.4	18	<35	18	<24.0	12	<128	64
Chloroform				6,000	*60,000*	100,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Chloromethane				30,000	*300,000*	49,000	<106	53	<104	52	<36.4	18	<35	18	<24.0	12	<128	64
Dibromochloromethane				NE	*NE*	7,600	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,1-Dichloroethane	**800**	**225**	**300**	6,000	*60,000*	7,800,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,2-Dichloroethane	**280**	**106**	**140**	6,000	*60,000*	7,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,1-Dichloroethene				6,000	*60,000*	1,100	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	3,700	3,700
1,2,4-Trimethylbenzene				NE	*NE*	NE	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
cis-1,2-Dichloroethene				NE	*NE*	790,000	<53	27	830	830	19 J	19	130	130	440	440	420	420
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,2-Dichloropropene				18,000	*180,000*	9,400	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,3,5-Trimethylbenzene				NE	*NE*	NE	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	140	140
cis-1,3-Dichloropropene				18,000	*180,000*	NE	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
trans-1,3-Dichloropropene				18,000	*180,000*	NE	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Ethylbenzene	**22,000**	**8,250**	**11,000**	10,000	*100,000*	7,800,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
2-Hexanone				NE	*NE*	NE	<530 J	265	<520 J	260	<182	91	<175	88	<120 J	60	<640	320
Isopropylbenzene				NE	*NE*	3,100,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Methylene Chloride	**420**	**158**	**210**	30,000	*300,000*	85,000	<265	133	<260	130	<85	43	<85	43	<25	13	<64.0	32
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	<530	265	<520	260	<182	91	<175	88	<120	60	<640	320
Naphthalene				5,600	*56,000*	310,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	190	190
n-Butylbenzene				NE	*NE*	5,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	65	65
n-Propylbenzene				NE	*NE*	NE	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
p-Isopropyltoluene				NE	*NE*	NE	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	67	67
sec-Butylbenzene				NE	*NE*	5,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Styrene				NE	*NE*	21,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
tert-Butylbenzene				NE	*NE*		<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	<53	27	<52	26	<18.2 J	9	<17.5 J	9	<12.0	6	<64.0	32
Tetrachloroethene				6,000	*60,000*	12,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Toluene	**6,000**	**2,250**	**3,000**	10,000	*100,000*	16,000,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	6,000	*60,000*	7,000,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
1,1,2-Trichloroethane				6,000	*60,000*	11,000	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
Trichloroethene	**2,520**	**946**	**1,260**	6,000	*60,000*	58,000	490	490	210	210	<18.2	9	44	44	13 J	13	470	470
Vinyl Chloride	**456**	**171**	**228**	6,000	*60,000*	340	<53	27	<52	26	<18.2	9	<17.5	9	<12.0	6	<64.0	32
o-xylene	**4800**	**1800**	**2400**	30,000	*300,000*	180,000,000	<53	27	<52	26	<18.2	9	<17.5	9	22 J	22	120	120
m&p-xylene						180,000,000	<106	53	<104	52	<36.4 J	18	<35 J	18	42	42	<128	64
Total VOCs		10,000		NE	NE	NE		**3,193**		**3,666**		**944**		**1,067**		**1,088**		**8,084**

Notes:

Bold: Analyte detected above the given action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

NA = Not analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

File: \\Wies-nt\Dept\DEPT020\31128-9(3947-8)-LEICA\DELVDSGN\Excavation Data Data Validation
Sheet: Confirmation Samples-Ex Area 2

Prepared by JK
Date 7/28/03
Checked by DT
Date 7/28/03

SCIENTECH, Inc.

Table 4

Confirmation Sampling Results, Excavation Area 2

LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-In-Action Levels	C22-Wb, 1-4	PID 2.4	C22-SWa-8	PID 7.6	C22-W, 5-7'	PID 2.3	C22-SW1b,1-4	PID 3.6	C22-E,8-10	PID 15.9	C22-N,8-10	PID 9.2
Lab Sample Number	Fill	Clay	Sandy Silt				AD62613 Resample for C22-Wa,1-4		AD83596 Resample for C22SW-8		AD83597		AD86024 Resample for C22-SW1, 1-4		AD88128		AD88127	
Date Sampled				ug/kg	ug/kg	ug/kg	4/30/03		5/5/03		5/5/03		5/14/03		5/22/03		5/22/03	
Soil Type							Fill		Clay		Clay		Fill		Sandy/Silt		Sandy/Silt	
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	1,600,000	7,800,000	<100	50	<1640	820	<1480	740	<1500	750	<1260	630	<1020	510
Benzene	232	87	116	10,000	100,000	22,000	7.1	7	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Bromodichloromethane				15,000	150,000	10,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Bromoform				NE	NE	81,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Bromomethane				15,000	150,000	110,000	<10	5	<164	82	<148	74	<150	75	<126	63	<102	51
2-Butanone (MEK)				36,000	360,000	47,000,000	<50	25	<820	410	<740	370	<750	375	<629	315	<511	256
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	<25	13	<410	205	<370	185	<375	188	<314	157	<256	128
Carbon Tetrachloride				6,000	60,000	4,900	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Chlorobenzene				6,000	60,000	1,600,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Chloroethane				6,000	60,000	49,000	<10	5	<164	82	<148	74	<150	75	<126	63	<102	51
Chloroform				6,000	60,000	100,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Chloromethane				30,000	300,000	49,000	<10	5	<164	82	<148	74	<150	75	<126	63	<102	51
Dibromochloromethane				NE	NE	7,600	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,1-Dichloroethane	600	225	300	6,000	60,000	7,800,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,1-Dichloroethene				6,000	60,000	1,100	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,2-Dichlorobenzene				6,000	60,000	7,800,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,2,4-Trimethylbenzene				NE	NE	NE	10	10	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
cis-1,2-Dichloroethene				NE	NE	780,000	12	12	710	710	<74	37	540	540	150	150	190	190
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,2-Dichloropropane				18,000	180,000	9,400	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,3,5-Trimethylbenzene				NE	NE	NE	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
cis-1,3-Dichloropropene				18,000	180,000	NE	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
trans-1,3-Dichloropropene				18,000	180,000	NE	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,900,000	<5	3	<82	41	<74	37	<75	38	250	250	<51.1	26
2-Hexanone				NE	NE	NE	<50	25	<820	410	<740	370	<750	375	<629	315	<511	256
Isopropylbenzene				NE	NE	3,100,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Methylene Chloride	420	168	210	30,000	300,000	85,000	<5	3	<130	65	<120	60	<325	163	<314	157	<256	128
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	<50	25	<820	410	<740	370	<750	375	<629	315	<511	256
Naphthalene				5,600	56,000	310,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
n-Butylbenzene				NE	NE	5,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
n-Propylbenzene				NE	NE	NE	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
p-Isopropyltoluene				NE	NE	NE	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
sec-Butylbenzene				NE	NE	5,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Styrene				NE	NE	21,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
tert-Butylbenzene				NE	NE		<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Tetrachloroethene				6,000	60,000	12,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	16	16	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
1,1,2-Trichloroethane				6,000	60,000	11,000	<5	3	<82	41	<74	37	<75	38	<62.9	31	<51.1	26
Trichloroethene	2,620	945	1,260	6,000	60,000	56,000	6.5	7	330	330	<74	37	2,100	2,100	390	390	100	100
Vinyl Chloride	456	171	228	6,000	60,000	340	<5	3	87	87	<74	37	<75	38	<62.9	31	<51.1	26
o-xylene	4800	1800	2400	30,000	300,000	180,000,000	5.8	6	<82	41	<74	37	<75	38	270	270	<51.1	26
m&p-xylene						180,000,000	18	18	<164	82	<148	74	<150	75	820	820	<102	51
Total VOCs	10,000			NE	NE	NE		**303**		**5,087**		**3,686**		**5,403**		**4,931**		**2,870**

Notes:

Bold: Analyte detected above the given action level
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained In" Action Level
NE = No Standard Established
NA = Not analyzed
J = Estimated Value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL

* edit "<" values to be 2 x
do not edit detected values

Table 4

Confirmation Sampling Results, Excavation Area 2

LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	*10 X Universal Treatment Standards*	NYS TAGM Contained-In-Action Levels	C31-B1-5	PID 154	C31-B2-9	PID 28.9	C31-E1a 1-4	PID 24.7	C31-N1-2	PID 12.4	C32-B1-4	PID 19.1	C33-Wa, 1-4	PID 4.5
Lab Sample Number	Fill	Clay	Sandy Silt				AD 52695		AD61079	Drager Tube VC=ND	AD57440 Resample for C31-E1a-2 following additional excavation		AD52696		AD61080	Drager Tube VC=ND TCE=ND	AD72047	Drager Tube VC = 0
Date Sampled				ug/kg	*ug/kg*	ug/kg	11/13/02		12/20/2002		12/5/02		11/14/02		12/21/02		3/11/03	
Soil Type							Clay		Sandy Silt		Fill		Fill		Fill		Sand	
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	*1,600,000*	7,800,000	<1240 J	620	<260 J	130	<354 J	177	<2700 J	1,350	<260 J	130	<160 J	80
Benzene	**232**	**87**	**116**	10,000	*100,000*	22,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Bromodichloromethane				15,000	*150,000*	10,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<16.0	8
Bromoform				NE	*NE*	81,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Bromomethane				15,000	*150,000*	110,000	<124	62	<26	13	<35.4	18	<270	135	<26	13	<16.0	8
2-Butanone (MEK)				36,000	*360,000*	47,000,000	<620 J	310	<130 J	65	<177 J	89	<1350 J	675	<130 J	65	<80.0 J	40
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	<310	155	<65	33	<88.5	44	<675	338	<65	33	<40.0	20
Carbon Tetrachloride				6,000	*60,000*	4,900	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Chlorobenzene				6,000	*60,000*	1,600,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Chloroethane				6,000	*60,000*	49,000	<124	62	<26	13	<35.4	18	<270	135	<26	13	<16.0	8
Chloroform				6,000	*60,000*	100,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Chloromethane				30,000	*300,000*	49,000	<124	62	<26	13	<35.4	18	<270	135	<26	13	<16.0	8
Dibromochloromethane				NE	*NE*	7,600	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
1,1-Dichloroethane	**600**	**225**	**300**	6,000	*60,000*	7,800,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
1,2-Dichloroethane	**280**	**105**	**140**	6,000	*60,000*	7,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
1,1-Dichloroethene				6,000	*60,000*	1,100	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
1,2,4-Trimethylbenzene				NE	*NE*	NE	320	320	<13	7	<17.7	9	140	140	<13	7	<8.00	4
cis-1,2-Dichloroethene				NE	*NE*	780,000	3,000	3,000	75	75	1,600	1,600	1,300	1,300	80	80	240	240
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	<62	31	<13	7	31 J	31	210	210	<13	7	16	16
1,2-Dichloropropane				18,000	*180,000*	9,400	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
1,3,5-Trimethylbenzene				NE	*NE*	NE	160	160	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
cis-1,3-Dichloropropene				18,000	*180,000*	NE	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
trans-1,3-Dichloropropene				18,000	*180,000*	NE	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00 J	4
Ethylbenzene	**22,000**	**8,250**	**11,000**	10,000	*100,000*	7,800,000	380	380	<13	7	<17.7	9	550	550	<13	7	<8.00	4
2-Hexanone				NE	*NE*	NE	<620	310	<130 J	65	<177	89	<1350	675	<130 J	65	<80.0 J	40
Isopropylbenzene				NE	*NE*	3,100,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Methylene Chloride	**420**	**158**	**210**	30,000	*300,000*	85,000	<62	31	<20	10	<25	13	<135	68	<25	13	<15.0	8
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	<620	310	<130 J	65	<177	89	<1350	675	<130 J	65	<80.0 J	40
Naphthalene				5,600	*56,000*	310,000	110	110	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
n-Butylbenzene				NE	*NE*	5,000	67	67	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
n-Propylbenzene				NE	*NE*	NE	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
p-Isopropyltoluene				NE	*NE*	NE	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
sec-Butylbenzene				NE	*NE*	5,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Styrene				NE	*NE*	21,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
tert-Butylbenzene				NE	*NE*		<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Tetrachloroethene				6,000	*60,000*	12,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Toluene	**6,000**	**2,250**	**3,000**	10,000	*100,000*	16,000,000	150	150	<13	7	<17.7	9	390	390	<13	7	<8.00	4
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	6,000	*60,000*	7,000,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
1,1,2-Trichloroethane				6,000	*60,000*	11,000	<62	31	<13	7	<17.7	9	<135	68	<13	7	<8.00	4
Trichloroethene	**2,520**	**945**	**1,260**	6,000	*60,000*	58,000	130	130	270	270	860	860	450	450	<13	7	200	200
Vinyl Chloride	**456**	**171**	**228**	6,000	*60,000*	340	**200**	200	<13	7	<17.7	9	340	340	<13	7	<8.00	4
o-xylene	**4800**	**1800**	**2400**	30,000	*300,000*	160,000,000	**950**	950	<13	7	<17.7	9	1,300	1,300	<13	7	<8.00	4
m&p-xylene						160,000,000	**2,200**	2,200	<26	13	<35.4	18	1,700	1,700	<26	13	<16.0	8
Total VOCs		10,000		NE	NE	NE		**10,364**		**979**		**3,344**		**12,398**		**723**		**848**

Notes:

Bold: Analyte detected above the given action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained In" Action Level

NE = No Standard Established

NA = Not analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

Prepared by JK
Date 7/28/03
Checked by DT
Date: 7/28/03

SCIENTECH, Inc.

Table 4
Confirmation Sampling Results, Excavation Area 2
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-In Action Levels	C33Be-14	PID 17.6	C33W, 8-10	PID NA	C34-B1-12'	PID 5.5	C34-B2-12'	PID 5.8	C34-N,1-4'	PID 6.9	C34-N,5-7'	PID 1.9
Lab Sample Number	Fill	Clay	Sandy Silt				AD72488		AD78627		AD83593		AD83594		AD83598		AD83599	
Date Sampled				ug/kg	ug/kg	ug/kg	3/13/03		4/3/03	Drager Tube VC<2	5/2/03		5/2/03		5/5/03		5/5/03	
Soil Type							Fine Sand		Sandy/Silt	TCE=0	Sandy/Silt		Sandy/Silt		Fill		Clay	
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	1,600,000	7,800,000	<240	120	<1600	800	<1300	650	<860	430	<1860	930	<1400	700
Benzene	232	87	116	10,000	100,000	22,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Bromodichloromethane				15,000	150,000	10,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Bromoform				NE	NE	91,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Bromomethane				15,000	150,000	110,000	<24.0	12	<160	80	<130	65	<86.0	43	<186	93	<140	70
2-Butanone (MEK)				36,000	360,000	47,000,000	<120	60	<802	401	<650	325	<430	215	<930	465	<700	350
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	<60.0	30	<401	201	<325	163	<215	108	<465	233	<350	175
Carbon Tetrachloride				6,000	60,000	4,900	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Chlorobenzene				6,000	60,000	1,600,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Chloroethane				6,000	60,000	49,000	<24.0	12	<160	80	<130	65	<86	43	<186	93	<140	70
Chloroform				6,000	60,000	100,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Chloromethane				30,000	300,000	49,000	<24.0	12	<160	80	<65	33	<86	43	<185	93	<140	70
Dibromochloromethane				NE	NE	7,600	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,1-Dichloroethane	600	226	300	6,000	60,000	7,800,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,1-Dichloroethene				6,000	60,000	1,100	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,2-Dichlorobenzene				6,000	60,000	7,800,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,2,4-Trimethylbenzene				NE	NE	NE	<12.0	6	380	380	<65	33	<43	22	<93	47	<70	35
cis-1,2-Dichloroethene				NE	NE	780,000	1,200	1,200	470	470	<65	33	170	170	<93	47	<70	35
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	13	13	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,2-Dichloropropane				18,000	180,000	9,400	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,3,5-Trimethylbenzene				NE	NE	NE	<12.0	6	280	280	<65	33	<43	22	<93	47	<70	35
cis-1,3-Dichloropropene				18,000	180,000	NE	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
trans-1,3-Dichloropropene				18,000	180,000	NE	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	15	15	550	550	<65	33	<43	22	<93	47	<70	35
2-Hexanone				NE	NE	NE	<120	60	<802	401	<650	325	<430	215	<930	465	<700	350
Isopropylbenzene				NE	NE	3,100,000	<12.0	6	160	160	<65	33	<43	22	<93	47	<70	35
Methylene Chloride	420	158	210	30,000	300,000	85,000	<24.0	12	<275	138	<65	33	<70	35	<150	75	<120	60
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	<120	60	<802	401	<650	325	<430	215	<930	465	<700	350
Naphthalene				5,600	56,000	310,000	<12.0	6	90	90	<65	33	<43	22	<93	47	<70	35
n-Butylbenzene				NE	NE	5,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
n-Propylbenzene				NE	NE	NE	<12.0	6	110	110	<65	33	<43	22	<93	47	<70	35
p-Isopropyltoluene				NE	NE	NE	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
sec-Butylbenzene				NE	NE	5,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Styrene				NE	NE	21,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
tert-Butylbenzene				NE	NE		<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Tetrachloroethene				6,000	60,000	12,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	14	14	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
1,1,2-Trichloroethane				6,000	60,000	11,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	<12.0	6	<80.2	40	<65	33	<43	22	<93	47	<70	35
Vinyl Chloride	456	171	228	6,000	60,000	340	<24.0	12	91	91	100	100	<43	22	<93	47	<70	35
o-xylene	4800	1900	2400	30,000	300,000	160,000,000	23	23	410	410	<65	33	<43	22	<93	47	<70	35
m&p-xylene						160,000,000	40	40	1,300	1,300	<130	65	<86	43	<186	93	<140	70
Total VOCs		10,000		NE	NE	NE		1,869		7,466		3,253		2,291		4,632		3,490

Notes:

Bold: Analyte detected above the given action level
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS Contained In Action Level
NE = No Standard Established
NA = Not analyzed
J = Estimated Value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL

File: \\Nes-nt\Dept\DEPT02\2001\128-9(3947-8)-LEICA\DEL\DSGN\Excavation Data Date Validation
Sheet: Confirmation Samples Ex Area 2

Prepared by JK
Date 7/28/03
Checked by DT
Date 7/28/03

SCIENTECH, Inc.

Table 4
Confirmation Sampling Results, Excavation Area 2
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-In Action Levels	C44-B-6.0	PID 200	C44-B-4'	PID 1.9	C44-B-4' (11-12-02)	PID 194	C44-B1-4	PID 7.7	C44-S1-1-3	PID 21.4	C44-S2-1-3	PID 4.1
Lab Sample Number	Fill	Clay	Sandy Silt				AD51483		AD51751		AD52207		AD52208		AD52209		AD52210	
Date Sampled				ug/kg	ug/kg	ug/kg	11/7/02		11/6/02		11/12/02		11/12/02		11/12/02		11/12/02	
Soil Type							Clay		Fill		Clay		Clay		Fill		Fill	
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	1,600,000	7,800,000	<1360 J	680	<280 J	140	<166 J	83	<150 J	75	<1550 J	775	<1670 J	835
Benzene	232	87	116	10,000	100,000	22,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Bromodichloromethane				15,000	150,000	10,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Bromoform				NE	NE	81,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Bromomethane				15,000	150,000	110,000	<136	68	<28	14	<16.6	8	<15	8	<155	78	<167	84
2-Butanone (MEK)				36,000	360,000	47,000,000	<68 J	34	<140 J	70	<83 J	42	<75	38	<775	388	<835	418
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	<340	170	<70	35	<41.5	21	<37.5	19	<388	194	<418	209
Carbon Tetrachloride				6,000	60,000	4,900	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Chlorobenzene				6,000	60,000	1,600,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Chloroethane				6,000	60,000	49,000	<136	68	<28	14	<16.6	8	<15	8	<155	78	<167	84
Chloroform				6,000	60,000	100,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Chloromethane				30,000	300,000	49,000	<136	68	<28	14	<16.6	8	<15	8	<155	78	<167	84
Dibromochloromethane				NE	NE	7,600	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
1,1-Dichloroethane	600	226	300	6,000	60,000	7,800,000	<68	34	<14	7	<6.3	4	<7.5	4	<77.5	39	<83.5	42
1,2-Dichloroethane	280	106	140	6,000	60,000	7,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
1,1-Dichloroethene				6,000	60,000	1,100	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
1,2-Dichlorobenzene				6,000	60,000	7,800,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
1,2,4-Trimethylbenzene				NE	NE	NE	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
cis-1,2-Dichloroethene				NE	NE	780,000	<68	34	<14	7	<8.3	4	<7.5	4	<760	380	330	330
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	<68	34	<14	7	<8.3	4	<7.5	4	91	91	<83.5	42
1,2-Dichloropropane				18,000	180,000	9,400	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
1,3,5-Trimethylbenzene				NE	NE	NE	<65	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
cis-1,3-Dichloropropene				18,000	180,000	NE	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
trans-1,3-Dichloropropene				18,000	180,000	NE	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,600,000	<68	34	<14	7	<8.3	4	<7.5	4	94	94	<83.5	42
2-Hexanone				NE	NE	NE	<680	340	<140	70	<83	42	<75	38	<775	388	<83.5	42
Isopropylbenzene				NE	NE	3,100,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Methylene Chloride	420	168	210	30,000	300,000	85,000	<110	55	<65 J	33	<50	25	<50	25	<260	130	<270	135
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	<680	340	<14	7	<83	42	<75	38	<775	388	<835	418
Naphthalene				5,600	56,000	310,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
n-Butylbenzene				NE	NE	5,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
n-Propylbenzene				NE	NE	NE	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
p-Isopropyltoluene				NE	NE	NE	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
sec-Butylbenzene				NE	NE	5,000	<68	34	<14	7	<8.3	4	<7.5	4	84	84	<83.5	42
Styrene				NE	NE	21,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
tert-Butylbenzene				NE	NE		<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Tetrachloroethene				6,000	60,000	12,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
1,1,1-Trichloroethane	3,040	1,140	1,620	6,000	60,000	7,000,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
1,1,2-Trichloroethane				6,000	60,000	11,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
Trichloroethene	2,620	946	1,260	6,000	60,000	58,000	<68	34	<14	7	<8.3	4	<7.5	4	500	500	500	500
Vinyl Chloride	456	171	228	6,000	60,000	340	<68	34	<14	7	<8.3	4	<7.5	4	<450	225	<83.5	42
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	<68	34	<14	7	<8.3	4	<7.5	4	<77.5	39	<83.5	42
m&p-xylene						160,000,000	<136	68	<28	14	<30	15	<15	8	220	220	<167	84
Total VOCs		10,000		NE	NE	NE		**3,081**		**656**		**438**		**393**		**5,212**		**4,598**

Notes:

Bold: Analyte detected above the given action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained-In" Action Level

NE = No Standard Established

NA = Not analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

File: ...\DEPT020\31128-9(3947-8)-LEICA\DEL\VDSGN\Excavation Data Data Validation
Sheet: Confirmation Samples-Ex Area 2

Prepared by JK
Date 7/28/03
Checked by DT
Date 7/28/03

SCIENTECH, Inc.

Table 4
Confirmation Sampling Results, Excavation Area 2
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-In Action Levels	C44-N2-3	PID 12.4	C44-E2a-2-4	PID 26.0	C44-EN-2-4	PID 79.2	C44-N1a-2-4	PID 3.6	C44-E1b-2-4	PID 46.2	C45-N-2.5	PID 1.8
Lab Sample Number:	Fill	Clay	Sandy Silt				AD52212		AD56903 Resample for E2-3.5 following additional excavation		AD56901		AD56904 Resample for N1-2 following additional excavation		AD59741 Resample for E1a-2-4 following additional excavation		AD51479	
Date Sampled:				ug/kg	ug/kg	ug/kg	11/12/02		12/4/02		12/4/02		12/4/02		12/17/02	VC = ND	11/6/02	
Soil Type							Fill		Fill		Fill		Fill		Fill		Fill	
Volatile Organic Compounds (ug/kg)																		
Acetone				160,000	1,600,000	7,800,000	<1970	985	<1510	755	<2120	1,060	<316	158	<1660	830	<334	167
Benzene	232	87	118	10,000	100,000	22,000	<98.3	49	<75.3	38	140	140	<15.8	8	<83.1	42	<16.7	8
Bromodichloromethane				15,000	150,000	10,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
Bromoform				NE	NE	81,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
Bromomethane				15,000	150,000	110,000	<197	99	<151	76	<212	106	<31.6	16	<166	83	<33.4	17
2-Butanone (MEK)				36,000	360,000	47,000,000	<983	492	<753	377	<1060	530	<158	79	<831	416	<167	84
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	<492	246	<376	188	<530	265	<79	40	<416	208	<83.5	42
Carbon Tetrachloride				6,000	60,000	4,900	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
Chlorobenzene				6,000	60,000	1,600,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
Chloroethane				6,000	60,000	49,000	<197	99	<151	76	<212	106	<31.6	16	<166	83	<33.4	17
Chloroform				6,000	60,000	100,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
Chloromethane				30,000	300,000	49,000	<197	99	<151	76	<212	106	<31.6	16	<166	83	<33.4	17
Dibromochloromethane				NE	NE	7,600	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,1-Dichloroethane	600	226	300	6,000	60,000	7,800,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,1-Dichloroethene				6,000	60,000	1,100	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,2-Dichlorobenzene				6,000	60,000	7,800,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,2,4-Trimethylbenzene				NE	NE	NE	150	150	<75.3	38	900	900	<15.8	8	340	340	<16.7	8
cis-1,2-Dichloroethene				NE	NE	780,000	160	160	<75.3	38	<106	53	21	21	130	130	58	58
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,2-Dichloropropane				18,000	180,000	9,400	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,3,5-Trimethylbenzene				NE	NE	NE	<98.3	49	<75.3	38	390	390	<15.8	8	130	130	<16.7	8
cis-1,3-Dichloropropene				18,000	180,000	NE	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
trans-1,3-Dichloropropene				18,000	180,000	NE	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
Ethylbenzene	22,000	8,260	11,000	10,000	100,000	7,800,000	200	200	310	310	2,000	2,000	<15.8	8	370	370	<16.7	8
2-Hexanone				NE	NE	NE	<983	492	<753	377	<1060	530	<158	79	<831	416	<167	84
Isopropylbenzene				NE	NE	3,100,000	<98.3	49	<75.3	38	1,500	1,500	<15.8	8	120	120	<16.7	8
Methylene Chloride	420	168	210	30,000	300,000	85,000	<325	163	<75.3	38	<106	53	<15.8	8	<240	120	<80	40
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	<983	492	<753	377	<1060	530	<158	79	<831	418	<167	84
Naphthalene				5,600	56,000	310,000	110	110	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
n-Butylbenzene				NE	NE	5,000	110	110	<75.3	38	<106	53	<15.8	8	250	250	<16.7	8
n-Propylbenzene				NE	NE	NE	<98.3	49	<75.3	38	180	180	<15.8	8	130	130	<16.7	8
p-Isopropyltoluene				NE	NE	NE	<98.3	49	<75.3	38	110	110	<15.8	8	<83.1	42	<16.7	8
sec-Butylbenzene				NE	NE	5,000	<98.3	49	<75.3	38	<106	53	<15.8	8	150	150	<16.7	8
Styrene				NE	NE	21,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
tert-Butylbenzene				NE	NE		<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
Tetrachloroethene				6,000	60,000	12,000	160	160	<75.3	38	<106	53	<15.8	8	<83.1	42	53	53
Toluene	6,000	2,260	3,000	10,000	100,000	18,000,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
1,1,2-Trichloroethane				6,000	60,000	11,000	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
Trichloroethene	2,520	946	1,260	6,000	60,000	58,000	410	410	<75.3	38	<106	53	<15.8	8	220	220	53	53
Vinyl Chloride	456	171	228	6,000	60,000	340	<98.3	49	<75.3	38	<106	53	<15.8	8	<83.1	42	<16.7	8
o-xylene	4800	1600	2400	30,000	300,000	160,000,000	<98.3	49	<75.3	38	330	330	<15.8	8	230	230	<16.7	8
m&p-xylene						160,000,000	330	330	720	720	2,900	2,900	<31.6	16	2,700	2,700	<33.4	17
Total VOCs		10,000		NE	NE	NE		6,170		4,647		13,167		796		8,462		997

Notes:

Bold: Analyte detected above the given action level
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained In" Action Level
NE = No Standard Established
NA = Not analyzed
J = Estimated Value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL

Prepared by JK
Date 7/28/03
Checked by DT
Date 7/28/03

SCIENTECH, Inc.

Table 4
Confirmation Sampling Results, Excavation Area 2
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-In-Action Levels	C45-S-2.0	PID 75.1	C45-W-2.5	PID 141	C45-BN-12	PID 24.1	C45-BM-12.5	PID 146	Average of Samples	
Lab Sample Number:	Fill	Clay	Sandy Silt				AD51480		AD51481		AD54284 Resample for BN-10 following addit. excavation		AD54285 Resample for BM-10, BM-8 following addit. excavation			
Date Sampled				ug/kg	ug/kg	ug/kg	11/6/02		11/6/02		11/20/02		11/20/02			
Soil Type							Fill		Fill		Sandy Silt		Sandy Silt			
Volatile Organic Compounds (ug/kg)																
Acetone				160,000	*1,600,000*	7,800,000	<284	142	<298	149	<240	120	<1360	680	533	533
Benzene	**232**	**87**	**116**	10,000	*100,000*	22,000	<14.2	7	<14.9	7	<12	6	<68	34	28	28
Bromodichloromethane				15,000	*150,000*	10,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
Bromoform				NE	*NE*	81,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
Bromomethane				15,000	*150,000*	110,000	<28.4	14	<29.8	15	<24	12	<136	68	52	52
2-Butanone (MEK)				36,000	*360,000*	47,000,000	<142	71	<149	75	<12	6	<680	340	265	265
Carbon Disulfide				4.8mg/l TCLP	*48mg/l TCLP*	7,800,000	<71	36	<74.5	37	<60	30	<340	170	130	130
Carbon Tetrachloride				6,000	*60,000*	4,900	<14.2	7	<14.9	7	<12	6	<68	34	26	26
Chlorobenzene				6,000	*60,000*	1,600,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
Chloroethane				6,000	*60,000*	49,000	<28.4	14	<29.6	15	<24	12	<136	68	52	52
Chloroform				6,000	*60,000*	100,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
Chloromethane				30,000	*300,000*	49,000	<28.4	14	<29.8	15	<24	12	<136	68	51	51
Dibromochloromethane				NE	*NE*	7,600	<14.2	7	<14.9	7	<12	6	<68	34	26	26
1,1-Dichloroethane	**600**	**225**	**300**	6,000	*60,000*	7,800,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
1,2-Dichloroethane	**280**	**105**	**140**	6,000	*60,000*	7,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
1,1-Dichloroethene				6,000	*60,000*	1,100	<14.2	7	<14.9	7	<12	6	<68	34	26	26
1,2-Dichlorobenzene				6,000	*60,000*	7,800,000	<14.2	7	<14.9	7	<12	6	<68	34	94	94
1,2,4-Trimethylbenzene				NE	*NE*	NE	<14.2	7	<14.9	7	<12	6	<68	34	60	60
cis-1,2-Dichloroethene				NE	*NE*	780,000	1,100	1,100	<14.9	7	560	560	<68	34	324	324
trans-1,2-Dichloroethene				30,000	*300,000*	1,600,000	17	17	<14.9	7	16	16	<68	34	30	30
1,2-Dichloropropane				18,000	*180,000*	9,400	<14.2	7	<14.9	7	<12	6	<68	34	26	26
1,3,5-Trimethylbenzene				NE	*NE*	NE	<14.2	7	<14.9	7	<12	6	<68	34	42	42
cis-1,3-Dichloropropene				18,000	*180,000*	NE	<14.2	7	<14.9	7	<12	6	<68	34	26	26
trans-1,3-Dichloropropene				18,000	*180,000*	NE	<14.2	7	<14.9	7	<12	6	<68	34	26	26
Ethylbenzene	**22,000**	**8,250**	**11,000**	10,000	*100,000*	7,800,000	<14.2	7	<14.9	7	<12	6	<68	34	103	103
2-Hexanone				NE	*NE*	NE	<142	71	<149	75	120	120	<680	340	255	255
Isopropylbenzene				NE	*NE*	3,100,000	<14.2	7	<14.9	7	<12	6	<68	34	54	54
Methylene Chloride	**420**	**158**	**210**	30,000	*300,000*	85,000	<40	20	<45	23	<12	6	<68	34	76	76
4-Methyl-2-Pentanone (MIBK)				33,000	*330,000*	6,300,000	<142	71	<149	75	<12	6	<680	340	258	258
Naphthalene				5,600	*56,000*	310,000	<14.2	7	<14.9	7	<12	6	<68	34	32	32
n-Butylbenzene				NE	*NE*	5,000	<14.2	7	<14.9	7	<12	6	<68	34	32	32
n-Propylbenzene				NE	*NE*	NE	<14.2	7	<14.9	7	<12	6	<68	34	31	31
p-Isopropyltoluene				NE	*NE*	NE	<14.2	7	<14.9	7	<12	6	<68	34	28	28
sec-Butylbenzene				NE	*NE*	5,000	<14.2	7	<14.9	7	<12	6	<68	34	29	29
Styrene				NE	*NE*	21,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
tert-Butylbenzene				NE	*NE*		<14.2	7	<14.9	7	<12	6	<68	34	26	26
1,1,2,2-Tetrachloroethane				6,000	*60,000*	3,200	<14.2	7	<14.9	7	<12	6	<68	34	26	26
Tetrachloroethene				6,000	*60,000*	12,000	<14.2	7	<14.9	7	<12	6	350	350	34	34
Toluene	**6,000**	**2,250**	**3,000**	10,000	*100,000*	10,000,000	<14.2	7	<14.9	7	<12	6	<68	34	34	34
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	6,000	*60,000*	7,000,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
1,1,2-Trichloroethane				6,000	*60,000*	11,000	<14.2	7	<14.9	7	<12	6	<68	34	26	26
Trichloroethene	**2,620**	**945**	**1,260**	6,000	*60,000*	58,000	260	260	38	38	10	10	670	670	216	216
Vinyl Chloride	**456**	**171**	**228**	6,000	*60,000*	340	<14.2	7	<14.9	7	31	31	<68	34	40	40
o-xylene	**4800**	**1800**	**2400**	30,000	*300,000*	160,000,000	<14.2	7	<14.9	7	<12	6	<68	34	85	85
m&p-xylene						160,000,000	<28.4	14	<29.8	15	26	26	<136	68	266	266
Total VOCs		10,000		NE	NE	NE		**2,072**		**783**		**1,163**		**4,318**		**3,677**

Notes:

Bold. Analyte detected above the given action level
Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained In" Action Level
NE = No Standard Established
NA = Not analyzed
J = Estimated Value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL

Prepared by JK
Date 7/28/03
Checked by DT
Date 7/28/03

SCIENTECH, Inc.

Table 3

Confirmation Sampling Results, Excavation Area 1

LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-in Action Levels	TP3-E1a 1-4	PID 11.6	TP3-B2-4.5	PID 60.1	TP3-B1e-9	PID 3.0	Average of samples	
Lab Sample Number	Fill	Clay	Sandy Silt				AD57441 Resample for TP3-E1-2 following excavation of additional material		AD53625		AD57442 Resample for TP3-B1-4.5 following excavation of additional material			
Date Sampled				ug/kg	ug/kg	ug/kg	12/6/02		11/18/02		12/6/02			
Soil Type							Fill		Clay		Clay			
Volatile Organic Compounds (ug/kg)														
Acetone				160,000	1,600,000	7,800,000	<370 J	185	<2400 J	1,200	<246 J	123	1,097	1,097
Benzene	232	87	118	10,000	100,000	22,000	<18.5	9	<120	60	<12.3	6	55	55
Bromodichloromethane				15,000	150,000	10,000	<18.5	9	<120	60	<12.3	6	55	55
Bromoform				NE	NE	81,000	<18.5	9	<120	60	<12.3	6	55	55
Bromomethane				15,000	150,000	110,000	<37	19	<240	120	<24.6	12	110	110
2-Butanone (MEK)				36,000	360,000	47,000,000	<185 J	93	<1200	600	~~<123~~ R	62	540	540
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	<92.5	46	<600	300	<61.5	31	274	274
Carbon Tetrachloride				6,000	60,000	4,900	<18.5	9	<120	60	<12.3	6	55	55
Chlorobenzene				6,000	60,000	1,600,000	<18.5	9	<120	60	<12.3	6	55	55
Chloroethane				6,000	60,000	49,000	<37	19	<240	120	<24.6	12	110	110
Chloroform				6,000	60,000	100,000	<18.5	9	<120 J	60	<12.3	6	55	55
Chloromethane				30,000	300,000	49,000	<37	19	<240	120	<24.6	12	110	110
Dibromochloromethane				NE	NE	7,800	<18.5	9	<120	60	<12.3	6	55	55
1,1-Dichloroethane	600	225	300	6,000	60,000	7,800,000	<18.5	9	<120	60	<12.3	6	55	55
1,2-Dichloroethane	280	105	140	6,000	60,000	7,000	<18.5	9	<120	60	<12.3	6	55	55
1,1-Dichloroethene				6,000	60,000	1,100	<18.5	9	<120	60	<12.3	6	55	55
1,2-Dichlorobenzene				6,000	60,000	7,800,000	<18.5	9	<120	60	<12.3	6	55	55
1,2,4-Trimethylbenzene				NE	NE	NE	<18.5	9	200	200	<12.3	6	134	134
cis-1,2-Dichloroethene				NE	NE	780,000	720	720	<120	60	<12.3	6	176	176
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	<18.5	9	<120	60	<12.3	6	55	55
1,2-Dichloropropane				18,000	180,000	9,400	<18.5	9	<120	60	<12.3	6	55	55
1,3,5-Trimethylbenzene				NE	NE	NE	<18.5	9	270	270	<12.3	6	100	100
cis-1,3-Dichloropropene				18,000	180,000	NE	<18.5	9	<120	60	<12.3	6	55	55
trans-1,3-Dichloropropene				18,000	180,000	NE	<18.5	9	<120	60	<12.3	6	55	55
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	<18.5	9	<120	60	<12.3	6	113	113
2-Hexanone				NE	NE	NE	<185	93	<1200	600	<123	62	549	549
Isopropylbenzene				NE	NE	3,100,000	<18.5	9	<120	60	<12.3	6	55	55
Methylene Chloride	420	158	210	30,000	300,000	85,000	<115	58	<120	60	<20	10	77	77
4-Methyl-2-Pentanone (MIBK)				[illegible]	330,000	6,300,000	<185	93	<1200	600	<123	62	610	610
Naphthalene				5,600	56,000	310,000	<18.5	9	<120	60	<12.3	6	55	55
n-Butylbenzene				NE	NE	5,000	<18.5	9	<120	60	<12.3	6	55	55
n-Propylbenzene				NE	NE	NE	<18.5	9	<120	60	<12.3	6	55	55
p-Isopropyltoluene				NE	NE	NE	<18.5	9	<120	60	<12.3	6	55	55
sec-Butylbenzene				NE	NE	5,000	<18.5	9	<120	60	<12.3	6	55	55
Styrene				NE	NE	21,000	<18.5	9	<120	60	<12.3	6	55	55
tert-Butylbenzene				NE	NE		<18.5	9	<120	60	<12.3	6	55	55
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	<18.5	9	<120	60	<12.3	6	55	55
Tetrachloroethene				6,000	60,000	12,000	<18.5	9	<120	60	<12.3	6	55	55
Toluene	6,000	2,250	3,000	10,000	100,000	16,000,000	<18.5	9	<120	60	<12.3	6	55	55
1,1,1-Trichloroethane	3,040	1,140	1,520	6,000	60,000	7,000,000	<18.5	9	<120	60	<12.3	6	55	55
1,1,2-Trichloroethane				6,000	60,000	11,000	<18.5	9	<120	60	<12.3	6	55	55
Trichloroethene	2,520	945	1,260	6,000	60,000	58,000	30 J	30	<120	60	<12.3	6	73	73
Vinyl Chloride	456	171	228	6,000	60,000	340	<18.5	9	<120	60	<12.3	6	55	55
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	<18.5	9	**1,600**	1,600	<12.3	6	388	388
m&p-xylene						160,000,000	<37	19	**3,400**	3,400	<24.6	12	1,092	1,092
Total VOCs		10,000		NE	NE	NE		**1,696**		**11,110**		**613**		**7,143**

Notes:

Bold: Analyte detected above the given action level

Bold and Boxed: Analyte detected was above the Universal Treatment Standard (UTS)

Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded: Analyte above NYS "Contained-in" Action Level

NE = No Standard Established

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

** All below detection limits, Matrix interference causes artificially elevated average

File: \\Nes-nt\Dept\DEPT0203\1128-9(3947-8)-LEICA\DELV\DSGN\Excavation Data Data Validation
Sheet: Confirmation Samples-Ex Area 1

Prepared by JK
Date 7/28/03
Checked by DT
Date 7/28/03

SCIENTECH, Inc.

Table 3
Confirmation Sampling Results, Excavation Area 1
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs)			Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-In-Action Levels	TP3-N1a, 1-4	PID 0.7	TP3-N2a, 1-4	PID 0.0	TP3-S1a, 1-4	PID 21.1	TP3-W1-2	PID 48.2	TP3-W2-2	PID 103
Lab Sample Number	Fill	Clay	Sandy Silt				AD59738 Resample for TP3-N1-2 following excavation of additional material		AD59739 Resample for TP3-N2-2 following excavation of additional material		AD59740 Resample for TP3-S1-2 following excavation of additional material		AD53621		AD53622	
Date Sampled				ug/kg	ug/kg	ug/kg	12/17/02		12/17/02		12/17/02		11/18/02		11/18/02	
Soil Type							Fill		Fill		Fill		Fill		Fill	
Volatile Organic Compounds (ug/kg)																
Acetone				160,000	1,600,000	7,800,000	<332	166	<308	154	<1960	980	<8120	4,060	<3820	1,910
Benzene	**232**	**87**	**116**	10,000	100,000	22,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Bromodichloromethane				15,000	150,000	10,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Bromoform				NE	NE	81,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Bromomethane				15,000	150,000	110,000	<33.2	17	<30.8	15	<196	98	<812	406	<382	191
2-Butanone (MEK)				36,000	360,000	41,000,000	<166	83	<15.4	8	<982	491	<4060	2,030	<1910	955
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	<83	42	<77	39	<491	246	<2030	1,015	<955	478
Carbon Tetrachloride				6,000	60,000	4,900	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Chlorobenzene				6,000	60,000	1,600,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Chloroethane				6,000	60,000	49,000	<33.2	17	<30.8	15	<196	98	<812	406	<382	191
Chloroform				6,000	60,000	100,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Chloromethane				30,000	300,000	49,000	<33.2	17	<30.8	15	<196	98	<812	406	<382	191
Dibromochloromethane				NE	NE	7,600	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,1-Dichloroethane	**600**	**226**	**300**	6,000	60,000	7,900,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,2-Dichloroethane	**280**	**106**	**140**	6,000	60,000	7,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,1-Dichloroethene				6,000	60,000	1,100	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,2-Dichlorobenzene				6,000	60,000	7,000,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,2,4-Trimethylbenzene				NE	NE	NE	<16.6	8	<15.4	8	<98.2	49	490	490	300	300
cis-1,2-Dichloroethene				NE	NE	780,000	18	18	19	19	290	290	<406	203	<191	96
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,2-Dichloropropane				18,000	180,000	9,400	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,3,5-Trimethylbenzene				NE	NE	NE	<16.6	8	<15.4	8	<98.2	49	<406	203	250	250
cis-1,3-Dichloropropene				18,000	180,000	NE	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
trans-1,3-Dichloropropene				18,000	180,000	NE	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Ethylbenzene	**22,000**	**8,250**	**11,000**	10,000	100,000	7,800,000	<16.6	8	<15.4	8	170	170	<406	203	440	440
2-Hexanone				NE	NE	NE	<166	83	<154	77	<982	491	<4060	2,030	<1910	955
Isopropylbenzene				NE	NE	3,100,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Methylene Chloride	**420**	**158**	**210**	30,000	300,000	85,000	<35	18	<50	25	<290	145	<406	203	<191	96
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	<166	83	<154	77	982	982	<4060	2,030	<1910	955
Naphthalene				5,600	56,000	310,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
n-Butylbenzene				NE	NE	5,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
n-Propylbenzene				NE	NE	NE	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
p-Isopropyltoluene				NE	NE	NE	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
sec-Butylbenzene				NE	NE	5,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Styrene				NE	NE	21,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
tert-Butylbenzene				NE	NE		<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Tetrachloroethene				6,000	60,000	12,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Toluene	**6,000**	**2,250**	**3,000**	10,000	100,000	18,000,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,1,1-Trichloroethane	**3,040**	**1,140**	**1,520**	6,000	60,000	7,000,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
1,1,2-Trichloroethane				6,000	60,000	11,000	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
Trichloroethene	**2,520**	**945**	**1,260**	6,000	60,000	56,000	25	25	34	34	130	130	<406	203	<191	96
Vinyl Chloride	**456**	171	**228**	6,000	60,000	340	<16.6	8	<15.4	8	<98.2	49	<406	203	<191	96
o-xylene	**4800**	**1800**	**2400**	30,000	300,000	160,000,000	<16.6	8	<15.4	8	190	190	420	420	850	850
m&p-xylene						160,000,000	<33.2	17	<30.8	15	470	470	2,500	2,500	2,300	2,300
Total VOCs		10,000		NE	NE	NE		867		748		6,401	**	22,696		13,022

Notes:

Bold: Analyte detected above the given action level
Bold and Boxed: Analyte detected at or above the Universal Treatment Standard (UTS)
Italics: Analyte detected above 10 X Universal Treatment Standard (UTS)
Shaded: Analyte above NYS "Contained-In" Action Level
NE = No Standard Established
J = Estimated Value < the method detection limit
B = Analyte was also detected in the method blank
ND concentration shown at 1/2 MDL

** **All below detection limits, Matrix interference causes artificially elevated average**

File: \\DeptDEPT\02031\23-0(3947-8)-LEICA\DEL\VDSGN\Excavation Data Data Validation
Sheet: Confirmation Samples-Ex Area 1

Prepared by: JK
Date 9/9/03
Checked by DT, CV, JK
Date 9/9/03

SCIENTECH, Inc.

Table 5
Stockpile Test Results
LEICA Inc.

ANALYTES	Remedial Action Objectives (RAOs) Fill	Clay	Sandy Silt	Universal Treatment Standards	10 X Universal Treatment Standards	NYS TAGM Contained-in-Action Levels	RCRA TCLP X 20	NH-34	PID 2.8	NH-43	PID 8.8	NH-44	PID 23.4	NH-45	PID 4.9	NH-48	PID 2.8	NH-57	PID 32.7
Lab Sample Number:								AD82350		AD83590		AD83591		AD83600		AD83602		AD86383	
Date Sampled:				ug/kg	ug/kg	ug/kg	ug/l	4/29/2003		5/1/2003		5/2/2003		5/5/2003		5/5/2003		5/15/2003	
Soil Type								Mixed		Mixed		Mixed		Mixed		Mixed		Mixed	
Volatile Organic Compounds (ug/kg)																			
Acetone				160,000	1,600,000	7,800,000	NE	<100 J	50	<1620 J	810	<1440 J	720	<1360 J	680	<1500 J	750	<1340 J	670
Benzene	232	87	116	10,000	100,000	22,000	10,000	11 J	11	<81	41	<72	36	<68	34	<75	38	<67	34
Bromodichloromethane				15,000	150,000	10,000	NE	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
Bromoform				NE	NE	81,000	NE	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
Bromomethane				15,000	150,000	110,000	NE	<10	5	<162	81	<144	72	<136	68	<150	75	<134	67
2-Butanone (MEK)				36,000	360,000	47,000,000	4,000,000	<150	75	<810	405	<720	360	<680	340	<750	375	<670 J	335
Carbon Disulfide				4.8mg/l TCLP	48mg/l TCLP	7,800,000	NE	<25	13	<405	203	<360	180	<340	170	<375	188	<335	168
Carbon Tetrachloride				6,000	60,000	4,800	10,000	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
Chlorobenzene				6,000	60,000	1,600,000	2,000,000	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
Chloroethane				6,000	60,000	49,000	NE	<10	5	<162	81	<144	72	<136	68	<150	75	<134	67
Chloroform				6,000	60,000	100,000	120,000	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
Chloromethane				30,000	300,000	49,000	NE	<10	5	<162	81	<144	72	<136	68	<150	75	<134	67
Dibromochloromethane				NE	NE	7,600	NE	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
1,1-Dichloroethane	600	226	300	6,000	60,000	7,800,000	NE	<5	3	<81	41	<72	38	<68	34	<75	38	<67	34
1,2-Dichloroethane	280	106	140	6,000	60,000	7,000	10,000	<5	3	<81	41	<72	38	<68	34	<75	38	<67	34
1,1-Dichloroethene				6,000	60,000	1,100	14,000	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
1,2-Dichlorobenzene				6,000	60,000	7,800,000	NE	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
1,2,4-Trimethylbenzene				NE	NE	NE	NE	15 J	15	<81	41	<72	36	<68	34	<75	38	94 J	94
cis-1,2-Dichloroethene				NE	NE	780,000	NE	1,200	1,200	150	150	1,500	1,500	360	360	500	500	950	950
trans-1,2-Dichloroethene				30,000	300,000	1,600,000	NE	160	160	<81	41	<72	36	<68	34	<75	38	<67	34
1,2-Dichloropropane				18,000	180,000	9,400	NE	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
1,3,5-Trimethylbenzene				NE	NE	NE	NE	12 J	12	<81	41	<72	36	<68	34	<75	38	<67	34
cis-1,3-Dichloropropene				18,000	180,000	NE	NE	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
trans-1,3-Dichloropropene				18,000	180,000	NE	NE	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
Ethylbenzene	22,000	8,250	11,000	10,000	100,000	7,800,000	NE	12 J	12	<81	41	<72	38	<68	34	<75	38	320	320
2-Hexanone				NE	NE	NE	NE	<50	25	<810	405	<720	360	<680	340	<750	375	<670	335
Isopropylbenzene				NE	NE	3,100,000	NE	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
Methylene Chloride	420	158	210	30,000	300,000	85,000	NE	<5	3	<100	50	<90	45	<68	34	<100	50	<335	168
4-Methyl-2-Pentanone (MIBK)				33,000	330,000	6,300,000	NE	<50	25	<810	405	<720	360	<680	340	<750	375	<670	335
Naphthalene				5,600	56,000	310,000	NE	8.6 J	9	<81	41	<72	36	<68	34	<75	38	<67	34
n-Butylbenzene				NE	NE	5,000	NE	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
n-Propylbenzene				NE	NE	NE	NE	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
p-Isopropyltoluene				NE	NE	NE	NE	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
sec-Butylbenzene				NE	NE	5,000	NE	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
Styrene				NE	NE	21,000	NE	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
tert-Butylbenzene				NE	NE	NE	NE	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
1,1,2,2-Tetrachloroethane				6,000	60,000	3,200	NE	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
Tetrachloroethene				6,000	60,000	12,000	14,000	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
Toluene	6,000	2,260	3,000	10,000	100,000	16,000,000	NE	22	22	<81	41	<72	36	<68	34	<75	38	72 J	72
1,1,1-Trichloroethane	3,040	1,140	1,620	6,000	60,000	7,000,000	NE	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
1,1,2-Trichloroethane				6,000	60,000	11,000	NE	<5	3	<81	41	<72	36	<68	34	<75	38	<67	34
Trichloroethene	2,620	945	1,260	6,000	60,000	58,000	10,000	**1,000**	1,000	<81	41	550	550	190	190	790	790	830	830
Vinyl Chloride	456	171	228	6,000	60,000	340 *	4,000 *	220	220	190	190	120	120	<68	34	<75	38	<67	34
o-xylene	4800	1800	2400	30,000	300,000	160,000,000	NE	150	150	170	170	79	79	<68	34	<75	38	510	510
m&p-xylene						160,000,000	NE	190	190	360	360	170	170	<136	68	<150	75	1,200	1,200
Total VOCs	10,000			NE	NE	NE	NE		**3,266**		**4,687**		**6,776**		**3,848**		**4,940**		**7,169**
TCLP Vinyl Chloride (ug/l)	200 ug/l							NA		NA		NA		NA		NA		NA	
TCLP Trichloroethene (ug/l)	500 ug/l							NA		NA		NA		NA		NA		NA	
Disposal option								**Approved by NYSDEC to be used as backfill in Area C**		**Approved by NYSDEC to be used as backfill in Area C**		**Approved by NYSDEC to be used as backfill in Area C**		**Approved by NYSDEC to ba used as backfill in Area C**		**Approved by NYSDEC to ba used as backfill in Area C**		**Approved by NYSDEC to be used as backfill in Area C**	

Notes:

Bold: Analyte detected was above the given action level

Bold and Boxed. Analyte detected was above the Universal Treatment Standard (UTS)

Italics. Analyte detected above 10 X Universal Treatment Standard (UTS)

Shaded. Analyte above NYS "Contained In" Action Level

Yellow shaded. Analyte above RCRA TCLP x 20

NE = No Standard Established

NA = Not Analyzed

J = Estimated Value < the method detection limit

B = Analyte was also detected in the method blank

ND concentration shown at 1/2 MDL

* Vinyl chloride is a daughter product and the Contained-In threshold does not apply. It will only be necessary to ensure that concentrations of Vinyl chloride are below the minimum estimated RCRA characteristic waste threshold of 4,000 ppb (20 X 200 ppb)

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Sheet Stockpiles used for fill